MINISTERO DELL'AMBIENTE
E DELLA TUTELA DEL TERRITORIO E DEL MARE

National Forestry Accounting Plan (NFAP)

Italy

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Authors

Institute for Environmental Protection and Research (ISPRA) [1] with the contribution of Ministry of Agricultural, Forestry and Tourism Policies (§2.3)

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Forward

The Italian National Forestry Accounting Plan is prepared in the framework of the Regulation (EU) 2018/841 of the European Parliament and of the Council of 30 May 2018 on the inclusion of greenhouse gas emissions and removals from land use, land use change and forestry in the 2030 climate and energy framework (LULUCF Regulation), and amending Regulation (EU) 525/2013 and Decision 529/2013/EU. The Plan contains the Italy Forest Reference Level (FRL), for the period from 2021 to 2025, in accordance with paragraph 3 of article 8 of the LULUCF Regulation.

This Plan has been prepared by the Institute for Environmental Protection and Research (ISPRA), with the contribution of Ministry of Agricultural, Forestry and Tourism Policies. ISPRA is the single entity in charge of the development and compilation of the national GHG inventory (Legislative Decree 51, 7 March 2008). The Ministry for the Environment, Land and Sea is responsible for the endorsement of the inventory and for its official communication to the UNFCCC and EC Monitoring Mechanism. ISPRA is also responsible of *National system for policies, measures and emissions projection*s, established in 2016, following the Kyoto Protocol commitments and its amendment ('Doha amendment') for the second Commitment Period (2013-2020), with the Law n. 79/2016, "Ratification of the Doha amendment to the Kyoto Protocol".

The Plan has been updated addressing the technical recommendations as formulated by the Commission, reflecting the conclusions of the technical assessment; the Plan is organized into four chapters, accompanied by six Appendixes. Chapter 1 provides a general introduction of the forest reference level and how it address the the criteria set out in Annex IV of the LULUCF Regulation. Chapter 2 provides general information on the FRL, including the description of carbon pools and greenhouse gases included and its consistency with the GHG Inventory, and the description of the long-term forest strategy. Chapter 3 describes the modeling approach applied for estimating the FRL, including background data sources, equations and assumptions, and its consistency with the GHG Inventory. Chapter 4 provides a detailed analysis of the calculation of the FRL.

The Italian FRL for the period 2021-2025 is equal to -**19,656.1** kt CO_2 eq. yr^{-1}. This corresponds to the annual average value of the aggregated CO_2, CH_4 and N_2O emissions and removals in Managed Forest Land (MFL). The FRL has been estimated with the same model and the same datasets used to prepare the Italian GHG inventory, so ensuring complete consistency among the GHG inventory and the FRL estimates.

Contents

1. General introduction

1.1 General description of the forest reference level (FRL) for Italy

The Italian FRL for the period 2021-2025 is equal to -**19,656.1** kt CO_2 eq. yr^{-1}. This corresponds to the annual average value of the aggregated CO_2, CH_4 and N_2O emissions and removals in Managed Forest Land (MFL) as reported in Table 1 below:

Gg CO_2 eq.	**2021**	**2022**	**2023**	**2024**	**2025**	**average**
CO_2 (Living biomass pool)	-20,525.7	-19,985.7	-19,460.9	-18,950.9	-18,454.8	-19,475.6
CO_2 (dead mass and litter pools)	0.0	0.0	0.0	0.0	0.0	0.0
CO_2 (HWP_FOD)	-311.2	-316.3	-321.0	-325.4	-329.6	-320.7
CH_4	139.7	139.7	139.7	139.7	139.7	139.7
N_2O	0.5	0.5	0.5	0.5	0.5	0.5
Total CO_2 eq. (HWP_FOD)	**-20,696.7**	**-20,161.8**	**-19,641.8**	**-19,136.2**	**-18,644.2**	**-19,656.1**
Total CO_2 eq.(HWP_IO)	-20,385.5	-19,845.5	-19,320.8	-18,810.7	-18,314.7	-19,335.4

Table 1 Forest Reference Level (FRL)

HWP_FOD: indicates that the HWP contribution is estimated using the First Order Decay (FOD) function under the production approach as described in Annex V of Regulation 2018/841

HWP_IO: indicates that the HWP contribution is estimated using the Instantaneous Oxidation (IO) approach.

The FRL has been estimated with the same model and the same datasets used to prepare the Italian GHG inventory[2] (ISPRA, 2018), so ensuring full consistency among the GHG inventory and the FRL estimates.

1.2 Consideration to the criteria as set in Annex IV of the LULUCF Regulation

Criterion (a): the reference level shall be consistent with the goal of achieving a balance between anthropogenic emissions by sources and removals by sinks of greenhouse gases in the second half of this century, including enhancing the potential removals by ageing forest stocks that may otherwise show progressively declining sinks.

This criterion implies that the so-called long-term average C stock is increasing across time (i.e. the residence time of CO_2 in the C pools increases). This is demonstrated by a net total negative flux across time as reported in table 1. In addition, the same model and the same datasets used to prepare the Italian GHG inventory and to estimate the FRL has been used to assess the GHG emissions scenarios included in the Italian Long Term Strategy at 2050. In the figure 1, the comparison between the CO_2 removals from Managed Forest – FRL and the CO_2 removals from forest land remaining forest land related to the reference scenario of Italian Long term Strategy is shown.

[2] See section 3.3

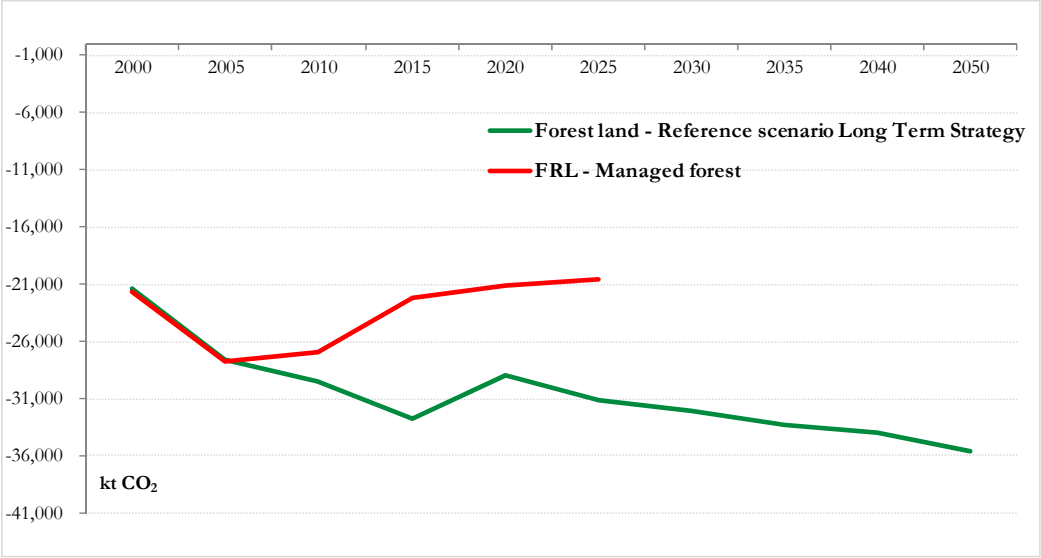

Figure 1 CO_2 removals from Managed Forest – FRL versus CO_2 removals from forest land remaining forest land related to the reference scenario of Italian Long term Strategy

Criterion (b): the reference level shall ensure that the mere presence of carbon stocks is excluded from accounting.

This criterion implies that the accounted quantities are either CO_2 removals or CO_2 reductions of emissions compared to a Business As Usual (BAU) scenario, i.e. a scenario where no any assumptions on trends in relevant variables are assumed. Every scenario that imply a deviation from BAU would account as an emissions reduction any difference between its projected emissions and the BAU scenario. This means that the mere presence of those C stock for which a loss is projected under a non-BAU scenario would be accounted as an emissions reduction.

The Italian FRL doesn't include any assumptions on future changes of BAU conditions, i.e. continuation of current forest management practices, and consequently it is consistent with this criterion.

Criterion (c): the reference level should ensure a robust and credible accounting system that ensures that emissions and removals resulting from biomass use are properly accounted for.

This criterion aims to ensure that any net permanent transfer of carbon from the biomass pool to the atmosphere is accounted for as a net emission since it determines a long-term change in the CO_2 atmospheric concentration, while temporary GHG fluxes (e.g. harvest followed by forest regrowth) should not be accounted for as debits/credits. This is achieved when the reference level does not include management activities that cause a decrease of the long-term average C stock. For each Forest Management Practice (FMP) of the Italian FRL, the projected annual net biomass increment is larger than the projected C stock losses (i.e. harvest, disturbances and mortality) for the same year, therefore in each stratum (FMP area) the biomass C stock is projected increasing across time (section 4.1).

Further, this criterion aims to exclude emissions and subsequent removals in forest land that are not associated with the human activities and should therefore not be accounted i.e. emissions and removals associated with the natural disturbances (ND). The Italian reference level includes a background level (BL), and associated margin, of emissions from disturbances (section 4.1.6) calculated according to provisions set in Annex VI to the EU Regulation 2018/841. According to those provisions, the BL has been calculated and applied to exclude, in the FRL, all emissions and subsequent removals associated with ND without providing expectation for either net credits or net debits.

Criterion (d): the reference level shall include the carbon pool of harvested wood products, thereby providing a comparison between assuming instantaneous oxidation and applying the first-order decay function and half-life values.

The Italian FRL includes the Harvested Wood Products (HWP) pool, and estimates have been provided in table 1 applying either the first order decay function, HWP_FOD, or the instantaneous oxidation, HWP_IO.

Criterion (e): a constant ratio between solid and energy use of forest biomass as documented in the period from 2000 to 2009 shall be assumed.

The Italian GHG inventory assumes that industrial roundwood is predominantly collected in forest land that have a "stands" structure while fuelwood is collected in forest land that have a "coppices" structure. Consequently, all C losses associated with harvesting of industrial roundwood are assigned at the "stands" FMPs and all C losses associated with harvesting of fuelwood are assigned at the "coppices" FMPs (for the stratification of Italian forest land in FMPs see section 3.2.1). Considering that the harvesting ratio of each FMP is a constant value (section 3.2.2), the ratio between material use and energy use has not been modified.

Criterion (f): the reference level should be consistent with the objective of contributing to the conservation of biodiversity and the sustainable use of natural resources, as set out in the EU forest strategy, Member States' national forest policies, and the EU biodiversity strategy.

Forest management practices applied for the projection of the FRL are the same as applied in the reference period in accordance with EU and National legislation on forest management and forest protection including for biodiversity conservation. The FRL doesn't include any projection of deforestation, so that each deforestation event that occurred during the accounting period would generate a gross amount of debits associated with the C loss as well as an additional amount of debits associated with the missing sink. The FRL doesn't include any harvest in the forests with protective function, i.e. the FMPs called "rupicolous forest" and "riparian forest", and it doesn't include any planned activities of forest rejuvenation -indeed, the projected annual harvest is a fraction of the annual increment (Appendix I)- or any changes in the harvest practices from selective logging to clear-cut. See also section 2.3.

Criterion (g): the reference level shall be consistent with the national projections of anthropogenic greenhouse gas emissions by sources and removals by sinks reported under Regulation (EU) n. 525/2013.

The FRL is fully consistent with the national projections of anthropogenic greenhouse gas emissions by sources and removals by sinks reported under Regulation (EU) n. 525/2013. The modelling framework used to estimate and report under under Regulation (EU) n. 525/2013 is the same used to estimate FRL (i.e. *for-est* model and NIR dataset, described in section 3.3) so that full consistency is ensured. In figure 2, the projections of CO_2 removals for forest land, as reported under Regulation (EU) n. 525/2013, is compared with the CO_2 removals for the managed forest for Forest Reference Level assessment.

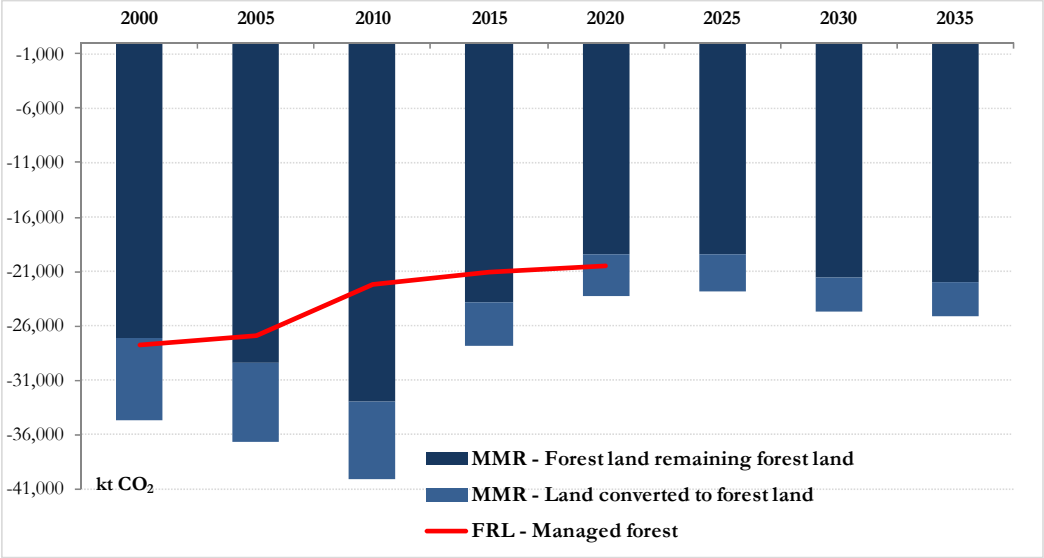

Figure 2 CO_2 removals from Managed Forest – FRL versus CO_2 removals from forest land as reported under under Regulation (EU) n. 525/2013 (MMR)

Criterion (h): the reference level shall be consistent with greenhouse gas inventories and relevant historical data and shall be based on transparent, complete, consistent, comparable and accurate information. In particular, the model used to construct the reference level shall be able to reproduce historical data from the National Greenhouse Gas Inventory.

The FRL is estimated with the same model and the same background data used to prepare the Italian GHG inventory, so ensuring complete consistency among the GHG inventory and the FRL estimates. The comparison between the GHG inventory data, submitted in 2018, and the data estimated for the FRL assessment is shown in figure 3; additional information is available in the relevant sections of chapters 2, 3 and 4.

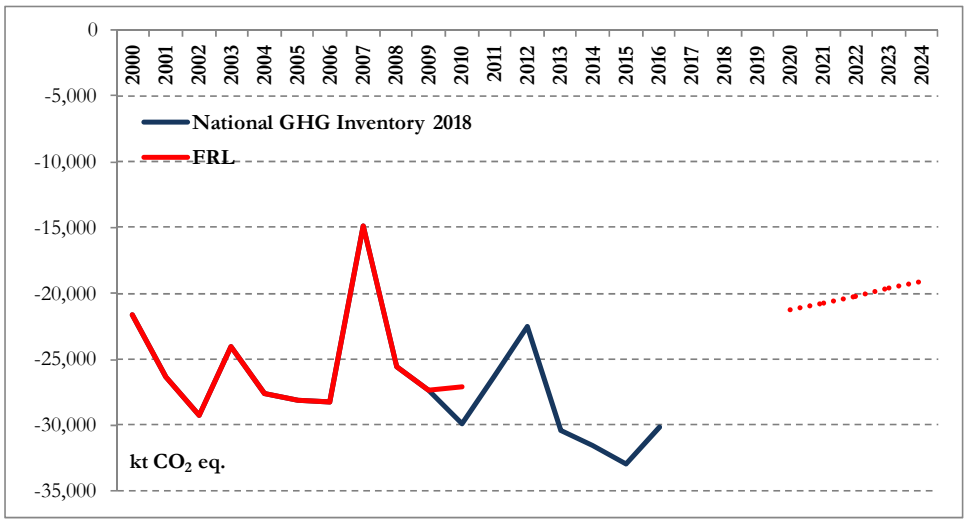

Figure 3 Comparison between GHG inventory data and FRL estimates

2. Preamble for the FRL

2.1 Carbon (C) pools and greenhouse gases (GHG) included in the FRL

2.1.1 Identification of the C pools and GHG which have been included in the FRL

The FRL includes the following C pools:

- ✓ aboveground biomass,
- ✓ belowground biomass,
- ✓ dead wood
- ✓ litter
- ✓ harvested wood products.

The soil organic matter pool (SOM) is not included on the basis that it is a net sink.

All GHG relevant for the LULUCF sector have been included in the FRL, namely:

- ✓ carbon dioxide,
- ✓ methane,
- ✓ nitrous oxide.

2.1.2 Reasons for omitting a C pool from the FRL determination

As reported in Italian National Inventory Report (ISPRA, 2018), section "*9.3.1.2 Justification when omitting any carbon pool or GHG emissions/removals from activities under Article 3.3 and elected activities under Article 3.4*", the SOM pool is a net sink across the entire time series (figure 4).

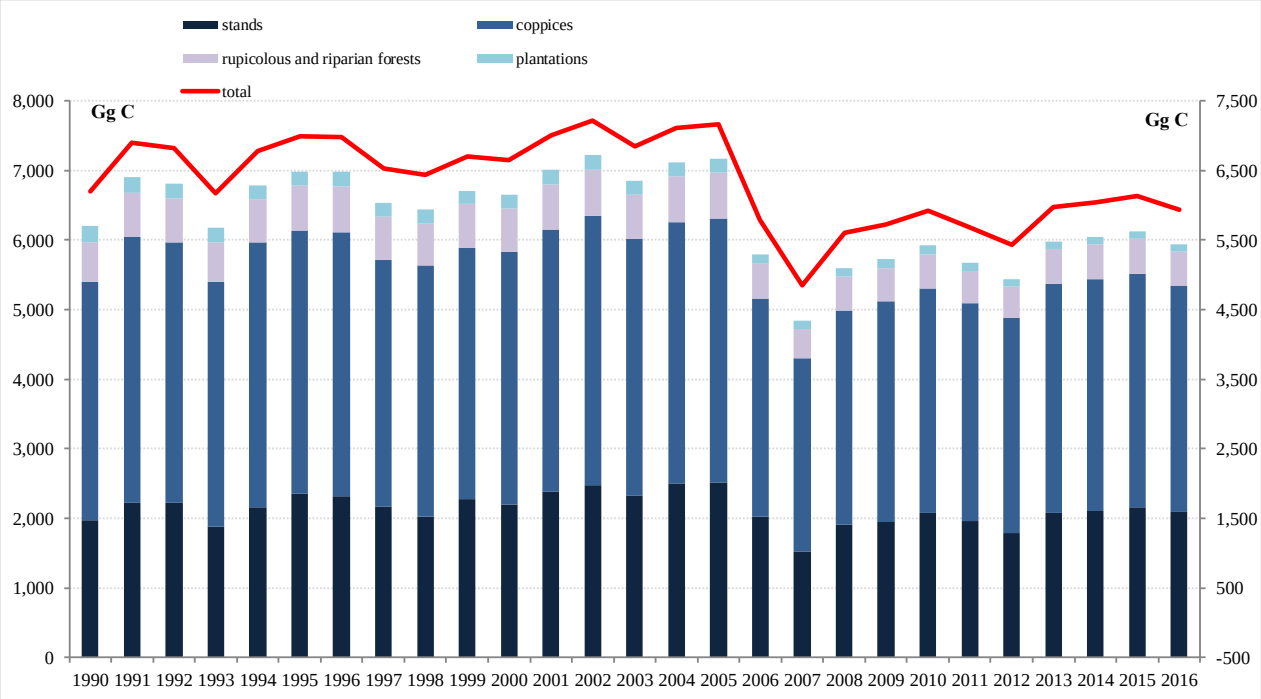

Figure 4 Soil Organic C stock (SOC) net gain in forest mineral soils

Because the SOC changes are generally perceived having a large uncertainty as well as having a high likelihood of bias, SOC changes are neither reported in the Italian GHG inventory nor in the FRL. Notwithstanding the perceived high uncertainty of SOC changes estimates, an exercise of verification, reported in NIR (ISPRA, 2018), table 9.6 of the above-mentioned section, shows that the error in the total SOC in the year 2008 is around -1% compared to the Italian National Forest Inventory (NFI) data.

2.2 Demonstration of consistency between the C pools included in the FRL

Consistency between C stock changes in the aboveground biomass and in the belowground biomass pools is ensured by the application of the root-to-shoot ratios[3] to derive the belowground biomass from the aboveground biomass. Accordingly, projected changes in the belowground biomass are directly proportional to the projected changes of aboveground biomass.

Consistency between C stock changes in the aboveground pool and in the HWP pool has been ensured by deriving a HWP-specific inflow ratio (section 4.1.7) from the annual HWP inflow (t C) in the period 2000-2009 to the total harvest (m^3) in forest stands and plantations. The average value of the ratios calculated across the reference period has been applied during the projection period to the projected amount of harvest, ensuring consistency between the two C pools.

2.3 Description of the long-term forest strategy

The development of a national long-term forest strategy is an ongoing process guided by the recent adoption of the Legislative Decree n. 34 "Testo unico in materia di Foreste e Filiere forestali" (section 2.3.2).

2.3.1 Overall description of the forests and forest management in Italy and the adopted national policies

The forest resource in Italy has progressively reached 12 million hectares (forest land plus other wooded land), mostly in mountain and hilly areas, covering today 39% of the national surface; a steady increase since the 70's has to be noted: forest expansion rate was about 78 kha y^{-1} in 2000 and it was 53.8 kha y^{-1} in 2010.

Historical management practices in the Italian forests have been guided by the Legislative Decree n. 227 of 18 May 2001, although the design and implementation of specific guidelines has been carried out at regional level since, according to the Italian Constitutional Law, the forest management is a regional competence. The Legislative Decree n. 227/2001 provides 5 general guidance on forest management:

- protect forest ecosystem functions, genetic resources, water basins and landscape;
- avoid conversion of forest land to other uses of land, and where occurring apply compensative; reforestations with endemic species;
- avoid conversion fo forest stands to coppices;
- avoid clearcut;
- conserve biodiversity, including true conservation of old trees and dead wood.

From 2008 onward such guidance have been further elaborated in the Framework Program for the Forestry Sector (Programma Quadro per il Settore Forestale - PQSF) for the protection, enhancement and sustainable management of the national forest patrimony in compliance with the commitments undertaken at international and European level. Such goals are to be achieved within 4 area of action: bio-economy, conservation, including conservation and enhancement of the forest carbon stocks, rural and social development, socio-recreational and educational functions and public awareness.

With the entry into force of the Testo unico in materia di Foreste e Filiere forestali (TUFF), article 6, a new National Forest Strategy (Strategia Forestale Nazionale - SFN) is expected to be established, in continuation of the above-mentioned PQSF (paragraph 1, Article 6, Legislative Decree 3 April 2018, n. 34).

[3] See section 3.3

2.3.2 Description of future harvesting rates under different policy scenarios (differentiating among current measures and expected additional measures)

On 3 April 2018 the TUFF was promulgated with Legislative Decree no. 34, which repeals Legislative Decree 227 of 2001 on "Orientation and modernization of the forest sector". The TUFF provides guidelines on sustainable forest management, and it is aimed to define a new National Forest Strategy (2019-2039). The strategy is to promote the sustainable forest management as an instrument to increase the net absorption of carbon, to guarantee all goods and services provided by forests and to promote the production of wood products.

The new National Forest Strategy in the drafting phase, in line with the provisions of the eight Priority Areas of the European Forestry Strategy (COM (2013) n. 659) of 2013, defines clear goals, aimed at:

- overcome the economic and environmental emergencies of forest interest;
- build a system that encourages sustainable forest management and the production of public goods and services, especially for mitigation;
- develop the sector and its production, environmental and socio-cultural supply chains;
- guaranteeing security and development, protection and enhancement of natural capital, of which the forest patrimony and sector are essential components.

In order to support the process of drafting the new National Forest Strategy, the Ministry of Agricultural, Forestry and Tourism Policies has collected and summarized in a White Paper the contributions, observations and proposals that emerged during a long process of public consultations between 2016 and 2017 (National Forum of Forests - www.reterurale.it/foreste))

In this context, a gradual change in the harvesting rates is expected over a ten-year period, with a shift from the current 30-33% use of the annual increase to the a potential 40-45%.

3. Description of the modelling approach

3.1 Description of the general approach as applied for estimating the FRL

The FRL is estimated using the same model, i.e. *for-est*, applied to estimate emissions and removals for the Forest land category in the Italian national GHG inventory (ISPRA, 2018). *For-est* is a bookkeeping model that calculates annually the aboveground biomass pool C stock by adding the annual net increment and subtracting annual losses associated with formal and informal[4] harvest (industrial roundwood and fuelwood), forest fires and other mortality, which includes all other disturbances[5] (i.e. drought, grazing, wind). Detailed description of the modeling approach is reported in section 3.3.

Forest land has been stratified within the regional administrative boundaries of Italy, i.e. 19 regions[6] and 2 provinces, by 26 forest types[7] based on the management system of practices and the main tree species. This means that each forest type in each region/province corresponds to a forest management system of practices (FMPs) used for the projection of the FRL; same stratification is applied for preparing the GHG estimates of the Italian national GHG inventory. The area of each forest type identified within the above-described stratification has been kept constant across the entire time series projected 2010-2025.

In the *for-est* model, each forest type is characterized by the average aboveground biomass C stock (t C ha^{-1}) and by an annual increment curve (t C ha^{-1} yr^{-1}) calculated through a density-based function, i.e. the annual increment is function of the average density. For each year, the average biomass C stock is modelled by adding the annual net increment, as calculated in function of the average biomass itself, and subtracting annual losses caused by harvesting, fires and other natural causes of mortality.

For the reference period 2000-2009 the harvest amount is the same used in the national GHG inventory (ISPRA, 2018) as derived from the Italian statistics; for the projected period 2010-2025 the harvest quantities are estimated based on harvesting ratios inferred from the FMPs in the reference period. The harvesting ratio associated to each FMP has been quantified across the reference period for each region/province as either the average[8] or the latest value[9] of the ratio of historical harvest (m^3) to total available biomass (t C).

C stock losses associated with forest fires are those reported in the national GHG inventory (ISPRA, 2018) for the years 2000-2016, while for the projected years a background level of anthropogenic emissions from forest fires has been used as calculated for the FRL (section 4.1.4).

Other mortality losses, due to drought, grazing, wind, are estimated for the entire time series applying to the biomass stock constant rates specific for all deciduous forests, equal to 1.17%, and all evergreen forests, equal to 1.16%.

For the reference period 2000-2009 the HWP inflow is the same used in the national GHG inventory as calculated from FAOSTAT[10] data. The HWP contribution is estimated using the Production Approach consistently with article 9 of the EU Regulation 2018/841 and its Annex V. For the projected period 2010-2025 the HWP inflows are estimated based on inflow ratios inferred from historical harvest and HWP inflows in the reference period. The inflow ratio is calculated for each HWP and it is calculated as the annual HWP inflow (t C)

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[4] "Informal harvest" includes all harvest not captured by the official system of statistics either because occurring outside the chain of data collection, e.g. domestic fuelwood collection, or because may have occurred outside the planned harvest, e.g. small areas for which no harvesting plan is required and illegal harvest.

[5] Although natural mortality does not explicitly include losses caused by exceptional occurrences of those other disturbances, such exceptional losses are included in the national GHG inventory through the subsequent salvage logging of those lost biomass stocks.

[6] Abruzzo, Alto Adige/Sud Tirolo, Basilicata, Calabria, Campania, Emilia Romagna, Friuli Venezia Giulia, Lazio, Liguria, Lombardia, Marche, Molise, Piemonte, Puglia, Sardegna, Sicilia, Toscana, Trentino, Umbria, Valle d'Aosta, Veneto.

[7] 4 different management system of practices (High stands, Coppices, Plantations, Protective) are combined with 22 (*norway spruce, silver fir, larches, mountain pines, mediterranean pines, other conifers, european beech, turkey oak, other oaks, other broadleaves, sweet chestnut, hornbeams, evergreen oaks, conifers (*in coppices), *eucalyptus coppices, other broadleaves coppices, poplars stands, other broadleaves stands, conifer stands (*in plantations), *rupicolous forest, riparian forest, others*) to produce 26 forest types.

[8] In case not clear trend is shown in ratios calculated for the reference period. For more information see section 3.2.2.

[9] In case a clear trend is shown in ratios calculated for the reference period. For more information see section 3.2.2.

[10] http://www.fao.org/faostat/en/#data/FO

to the total harvest (m^3) in forest stands and plantations. The average value of the ratios calculated across the reference period has been applied during the projection period to the projected amount of harvest so ensuring consistency between the two C pools.

Consistently with GHG estimates reported for the national GHG inventory, the SOM pool is not estimated since it is a net sink (ISPRA, 2018 - section 9.3.1.2).

3.1.1 Description of the forest definition for Managed Forest Land (MFL) used for the construction of FRL and of its consistency with that used in the national inventory report (NIR) and the national forest inventory (NFI)

The forest definition applied for the FRL is the same used for the Italian national GHG Inventory, which is also that applied for the Italian National Forest Inventory (NFI) and corresponds to the FAO, Global Forest Resource Assessment, definition. This definition has the following threshold values for tree crown cover, minimum 10%, land area, minimum 0.5 hectares, tree height, minimum 5 meters. Orchards and urban trees, including urban parks, do not qualify as forest land even when these meet the threshold values. Cleared areas that are expected to regrow to forest, as well as forest roads, firebreaks and other open areas smaller than 0.5 hectares within forest are included in forest land.

The entire area of Italian forest land is managed and the MFL for which the FRL has been estimated corresponds to the category Forest land remaining Forest land as reported in the Italian GHG Inventory. In particular, the area for which the FRL has been projected is the area of the category Forest land remaining Forest land in the year 2009.

3.1.2 Description of each historical FMPs (including timing and modalities of its implementation, its compliance with sustainable forest management principles and including age-related characteristics as increment curves and rotation length) as applied to stratification

For the estimation of the FRL, Forest land has been stratified within the regional administrative boundaries of Italy, 19 regions[11] and 2 provinces, by 26 forest types[12] based on the management system of practices and the main tree species

The forest inventory typologies, classified in 4 main aggregates (stands, coppices, plantations, protective), are:

Stands*: 1. norway spruce, 2. silver fir, 3. larches, 4. mountain pines, 5. mediterranean pines, 6. other conifers, 7. European beech, 8. turkey oak, 9. other oaks, 10. other broadleaves.*

Coppices: *11. European beech, 12. sweet chestnut, 13. hornbeams, 14. other oaks, 15. turkey oak, 16. evergreen oaks, 17. other broadleaves, 18. conifers.*

Plantations: *19. eucalyptuses coppices, 20. other broadleaves coppices, 21. poplar stands, 22. other broadleaves stands, 23. conifers stands, 24. others.*

Protective Forests: *25. rupicolous forest, 26. riparian forests*

This means that each forest type in each region/province corresponds to a forest management system of practices (FMPs) used for the projection of the FRL; same stratification is applied for preparing the GHG estimates of the Italian national GHG inventory.

Historical management practices in the Italian forests have been guided by the Legislative Decree n. 227 of 18 May 2001, although the design and implementation of specific guidelines has been carried out at regional level

[11] Abruzzo, Alto Adige/Sud Tirolo, Basilicata, Calabria, Campania, Emilia Romagna, Friuli Venezia Giulia, Lazio, Liguria, Lombardia, Marche, Molise, Piemonte, Puglia, Sardegna, Sicilia, Toscana, Trentino, Umbria, Valle d'Aosta, Veneto.

[12] 4 different management system of practices (High stands, Coppices, Plantations, Protective) are combined with 22 (norway *spruce, silver fir, larches, mountain pines, mediterranean pines, other conifers, european beech, turkey oak, other oaks, other broadleaves, sweet chestnut, hornbeams, evergreen oaks, conifers* (in coppices), *eucalyptus coppices, other broadleaves coppices, poplars stands, other broadleaves stands, conifer stands* (in plantations), *rupicolous forest, riparian forest, others*) to produce 26 forest types.

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- protect forest ecosystem functions, genetic resources, water basins and landscape;
- avoid conversion of forest land to other uses of land, and where occurring apply compensative reforestations with endemic species;
- avoid conversion fo forest stands to coppices;
- avoid clearcut;
- conserve biodiversity, including true conservation of old trees and dead wood.

Characteristic of each FMP is the average biomass density (t C ha^{-1}) derived from the first national forest inventory[13] and modeled across the time series by adding annual increment and subtracting annual losses, i.e. harvest, fires, other mortality. The biomass stock has been verified for the year 2008 using the data of the second national forest inventory[14]; results of such verification exercise (ISPRA, 2018 - section 6.2.5) show that the difference between the measured and modeled biomass C stocks is around -7%; which means that the model has underestimated the net accumulation of C stocks across the period 1985-2008.

Increment curves applied to each FMP are density-dependent, which means that calculates the annual net increment in function of the current aboveground biomass stock per hectare. The curves have been derived from a collection of around 100 Italian yield tables. Increment curves applied to each FMPs are reported in section 3.1.3 of this chapter.

3.1.2.1 Documentation on the sources and timeframe of information used to define the FMP, including a justification if outside the period 2000-2009

Biomass losses from timber harvest, fuel wood collection and harvest from short rotation forests are calculated on the basis of official statistic by ISTAT; total commercial harvested wood, for construction and energy purposes, has been published by ISTAT (disaggregated at NUTS2 level, in sectoral statistics or at NUTS1 level for coppices and high forests in national statistics). Aiming to take into account the informal harvest, the time series has been recalculated, applying a correction factor, on regional basis, to the commercial harvested wood statistical data. The correction factor[15], was inferred with the outcome of a 2005 NFI survey[16], carrying out a regional assessment of the harvested biomass; the computed figures have been subtracted, as losses, from growing stock volume, as mentioned above. Harvest and aboveground biomass stock data used to derive the harvesting ratio for each forest type in each region/province are taken from the period 2000-2009 only (a complete set of data is reported in section 3.2.2).

3.1.2.2 Documentation on gap-filling of information on FMPs

No gap-filling has been applied to the information on FMPs in the reference period.

3.1.3 Documentation on forest characteristics, including increments

Average aboveground biomass densities in the period 2000-2025 for each FMP of each region are reported in appendix I. The parameters of the aboveground biomass increment curves applied for each forest type in each region are reported in Appendix A. Aboveground biomass increments in the period 2000-2025 for each FMP of each region are reported in appendix II.

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[13] https://www.sian.it/inventarioforestale/jsp/1985_intro.jsp?menu=4

[14] https://www.sian.it/inventarioforestale/jsp/risultati_introa.jsp?menu=3

[15] A correction factor for each Italian region (21) has been pointed out. The mean value is 1.57, obtained as ratio of data from official statistics and NFI survey data. The variance is equal to 0.82.

[16] NFI survey on harvested volume: http://www.sian.it/inventarioforestale/caricaDocumento?idAlle=442

3.2 Documentation of data sources as applied for estimating the FRL

The MFL projected area, to estimated the FRL, is the area of forest land remaining forest land in the year 2009, no area changes are projected. The same stratification applied for the national GHG inventory, i.e. the subdivision by administrative boundaries and forest types, is applied to MFL area for the FRL estimation; in addition, the area of each stratum is taken constant as its value reported in the national GHG inventory for the year 2009.

The average biomass C stock of each forest type in each region/province calculated for the year 2009, as used for the Italian national GHG inventory estimates. Biomass increment curves for each forest type in each region/province are those used for the national GHG inventories (section 3.1.3).

For the reference period the harvested wood data, for each region/province are taken from the national statistics by ISTAT (Italian National Institute of Statistics) and are the same data used for the national GHG inventory (ISPRA, 2018 - Figure 6.3)[17]. For the projection period (2010-2025) harvested quantities for each region/province and forest type have been estimated based on the aboveground biomass C stock and harvesting ratio of each FMP (see section 4.1.5).

For burnt areas in forest land several sources of data are used:

- ✓ the period 1990-2007, national statistics produced by ISTAT on areas affected by fire per region and management type, i.e. high forest (resinous, broadleaves, mixed) and coppices (simple, mixed and degraded);
- ✓ for the period 2008-2016, a detailed database[18], collected by "Carabinieri Forestali"[19] for 15 regions[20] and by regional offices for the remaining 4 autonomous regions[21] and 2 autonomous provinces[22]:

3.2.1 Documentation of stratification of the MFL

Same stratification applied to the forest land category in the Italian national GHG inventory and in the National Forest Inventory[23] has been applied for the estimation of the FRL.

The total national forest land area is stratified by:

I. Administrative boundaries of 19 regions and 2 provinces

Administrative boundary	Forest land remaining Forest land Area of MFL in the year 2009 (kha)
Abruzzo (region)	278.45
Alto Adige/Sudtirolo (province)	310.98
Basilicata (region)	233.18
Calabria (region)	463.08
Campania (region)	324.55
Emilia Romagna (region)	440.38
Friuli Venezia Giulia (region)	283.98
Lazio (region)	430.49

[17] https://unfccc.int/documents/65681
[18] Containing information also on forest type (consistently with those used for the stratification of forest land), fire's type (crown, surface, ground)) and scorch height. This detailed information allows the assessment of the forest fire damage and related biomass losses.
[19] http://www.carabinieri.it/arma/oggi/organizzazione/organizzazione-per-la-tutela-forestale-ambientale-e-agroalimentare
[20] Abruzzo, Basilicata, Calabria, Campania, Emilia Romagna, Lazio, Liguria, Lombardia, Marche, Molise, Piemonte, Puglia, Toscana, Umbria, Veneto.
[21] Friuli Venezia Giulia, Sardegna, Sicilia, Valle d'Aosta.
[22] Alto Adige/Sud Tirolo, Trentino.
[23] https://www.sian.it/inventarioforestale/jsp/tablesforesttypes.jsp

Liguria (region)	327.21
Lombardia (region)	561.32
Marche (region)	222.13
Molise (region)	110.07
Piemonte (region)	720.94
Puglia (region)	125.16
Sardegna (region)	426.78
Sicilia (region)	226.32
Toscana (region)	909.65
Trentino (province)	354.13
Umbria (region)	315.23
Valle d'Aosta (region)	84.93
Veneto (region)	333.56
Italy	**7,482.54**

Table 2 Area of Managed Forest Land (MFL) in 2009

II. The forest land area of each administrative region/province is further stratified in forest types identified by main function (productive, protective), structure (stands, coppices, plantation, other) and main trees species.

FMP	function	structure	forest type	area (kha)
Forest Management Practice	productive	stands	norway spruce	453.89
	productive	stands	silver fir	77.45
	productive	stands	larches	292.06
	productive	stands	mountain pines	324.12
	productive	stands	mediterranean pines	132.72
	productive	stands	other conifers	29.09
	productive	stands	european beech	367.81
	productive	stands	turkey oak	123.81
	productive	stands	other oaks	226.70
	productive	stands	other broadleaves	349.21
	productive	coppices	european beech	496.96
	productive	coppices	sweet chestnut	553.93
	productive	coppices	hornbeams	466.62
	productive	coppices	other oaks	844.20
	productive	coppices	turkey oak	410.33
	productive	coppices	evergreen oaks	224.11
	productive	coppices	other broadleaves	941.07
	productive	coppices	conifers	123.20
	productive	plantation	eucaliptus coppices	0.97
	productive	plantation	other broadleaves coppices	2.91
	productive	plantation	poplars stands	118.20
	productive	plantation	other broadleaves stands	12.78
	productive	plantation	conifers stands	8.72
	productive	plantation	others	166.36
	protective	other	rupicolous forest	613.99
	protective	other	riparian forest	121.32
			Total	**7,482.54**

Table 3 Stratification of FMPs - year 2009

3.2.2: Documentation on whether FMP values used for FRL projections are the average or the latest FMPs in the RP.

The quantification of FMPs is exclusively based on the harvesting ratio, i.e. the ratio of the harvested amount (m^3) to the total aboveground biomass (t C) of the FMP. For each region/province, the harvesting ratio of each FMP has been calculated from the historical time series 2000-2009. To select which value[24] of the time series has been taken as the quantitative indicator of the relevant FMP, the following procedure has been applied:

I. for each region/province, the annual harvesting ratios of the FMPs with same forest structure, i.e. stands, coppices, plantations, have been aggregated;
II. for each forest structure, the historical time series of aggregated harvesting ratios has been plotted in a cartesian plane where a linear regression has been fitted (Microsoft Excel Software), thus
    a. if the r^2 of the trendline was higher than 0.5, for each single FMP the harvest ratio of the latest year (2009) has been taken
    b. otherwise the average value has been taken.

In the Appendix B, the time series of values of harvesting ratios, for each FMP in each region/province, is reported, for the reference period. Each green shadowed cell contains the value of the harvest ratio used as indicator for the respective FMP.

3.3: Detailed description of the modelling framework as applied in the estimation of the FRL

The FRL is estimated using the same model, i.e. *for-est model* (Federici *et al.*, 2008) applied to estimate emissions and removals for the Forest land category in the Italian national GHG inventory (ISPRA, 2018 – section 6.24). *For-est* is a bookkeeping model (figure 5) that calculates annually the C stock of the aboveground biomass pool by adding the annual net increment and subtracting annual losses associated with formal and informal[25] harvest (industrial roundwood and fuelwood), forest fires and other mortality, which includes all other disturbances[26] (i.e. drought, grazing, wind).

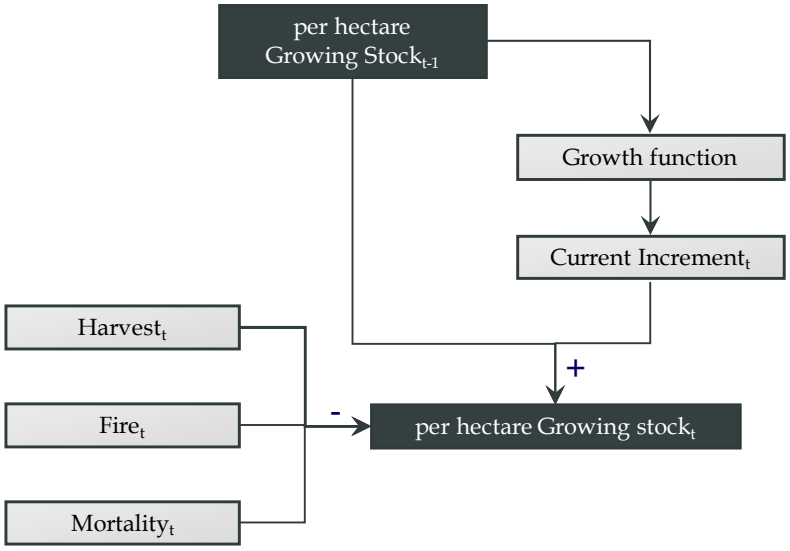


Figure 5 *For-est* model flow-chart

The model has been applied to each FMP at regional/provincial scale (NUTS2), using as model input data for the forest area and initial growing stock of the first and second national forest inventories (NFI1985, NFI2005),

[24] either the average or the latest value

[25] "Informal harvest" includes all harvest not captured by the official system of statistics either because occurring outside the chain of data collection, e.g. domestic fuelwood collection, or because may have occurred outside the planned harvest, e.g. small areas for which no harvesting plan is required and illegal harvest.

[26] Although natural mortality does not explicitly include losses caused by exceptional occurrences of those other disturbances, such exceptional losses are included in the national GHG inventory through the subsequent salvage logging of those lost biomass stocks.

while the results of the first phase of the NFI2015 is used for the forest area only. An independent verification (Tabacchi et al., 2010) of the model results versus measured data was carried out for the year 2005 (ISPRA, 2018 – section 6.2.6).

Consistently, the time series of growing stock values in each FMP is estimated applying the following steps:

1. deriving the initial growing stock volume for the year 1985 from the NFI data (MAF/ISAFA, 1988);
2. for each year, the current increment per hectare [$m^3\ ha^{-1}yr^{-1}$] is computed with the FMP-specific derivative Richards function, for each forest typology using as independent variable x the per hectare geowing stock of the FMP;
3. for each year, the following losses are calculated:
    a. harvest, statistical data collected from ISTAT on industrial roundwood production (all assigned to "*stands*" forests), fuelwood (all assigned to "*coppices*" forests) and wood outside forest assigned to "*plantations*" forests;
    b. fires, area burnt from Forest service statistics, assigned to FMPs proportionally to their area, all biomass stock assumed lost;
    c. mortality, an average constant ratio of mortality to total growing stock (Federici et al, 2008) estimated by expert judgement for evergreen (1.16%) and deciduous (1.17%) productive forests (i.e. stands, coppices, plantations);
    d. for protective forest (i.e. rupicouls and riparian forests), an average constant ratio (3%) of C stock losses associated with drain and grazing
4. starting from 1986, for each year, the final growing stock per hectare [$m^3\ ha^{-1}$] is computed adding to the final growing stock volume of the previous year the increment calculated for the current year and subtracting the losses occurred in the year as due to harvest, fires and mortality.

The procedure can be summarized as follows:

$$v_i = \frac{V_{i-1} + I_i - H_i - F_i - M_i - D_i}{A_i}$$

where:

$$I_i = f(v_{i-1}) \cdot A_{i-1}$$

v_i is the volume per hectare of growing stock for the current year
V_{i-1} is the total previous year growing stock volume
I_i is the total current increment of growing stock for the current year
H_i is the total amount of harvested growing stock for the current year
F_i is the total amount of burned growing stock for the current year
Mi is the annual rate of mortality
D is the annual rate of drain and grazing for the protective forest
A_i is the total area referred to a specific forest typology for the current year
v_{i-1} is the previous year growing stock volume per hectare
A_{i-1} is the total area referred to a specific forest typology for the previous year
f is the Richards function reported above

The annual current increment is estimated throught the use of a non-linear function, the Richards function, that has the growing stock as its independent variable. The Richards' 4 parameters allow the needed flexibility to represent the various potential growth rates, including the initial, nearly constant, rate. To calculate the 4 parameters for each FMP the Richards function has been fitted through the data of growing stock [$m^3\ ha^{-1}$] and increment [$m^3\ ha^{-1}yr^{-1}$] obtained from the collection of Italian yield tables.

$$y = a \cdot \left[1 \pm e^{(\beta - kt)}\right]^{-\frac{1}{\nu}} \qquad (\textit{Richards function})$$

The per hectare growing stock (i.e. the biomass density of the stand) is the independent variable *x*, while the dependent variable *y* is the increment computed with the Richards function - first derivative.

$$\frac{dy}{dt} = \frac{k}{\nu} \cdot y \cdot \left[1 - \left(\frac{y}{a}\right)^{\nu}\right] + y_0$$

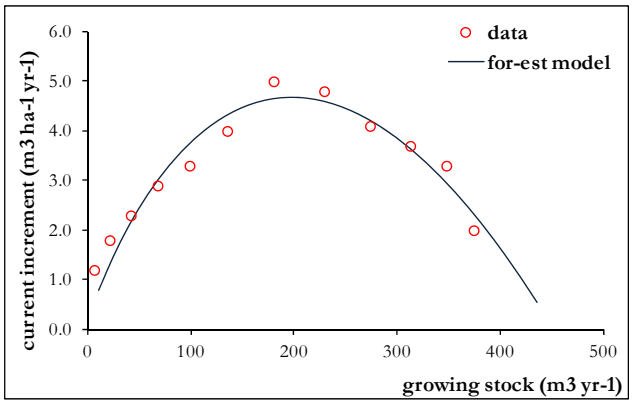
(*Richards function - first derivative*)

where the general constrain for the parameters are the following:

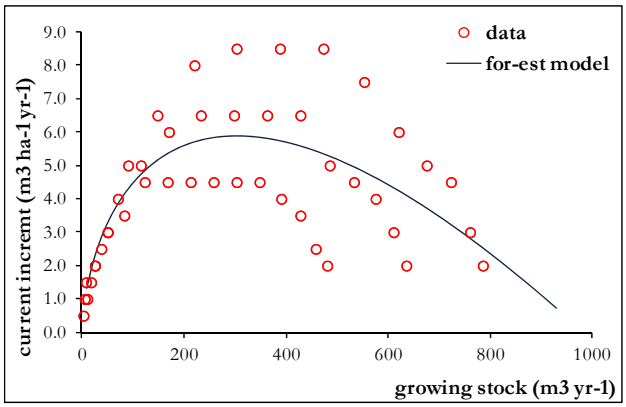
$a,k>0 \quad -1 \leq \nu \leq \infty$ and $\nu \neq 0$

The constant y_0 is the growing stock volume at 1 year age.

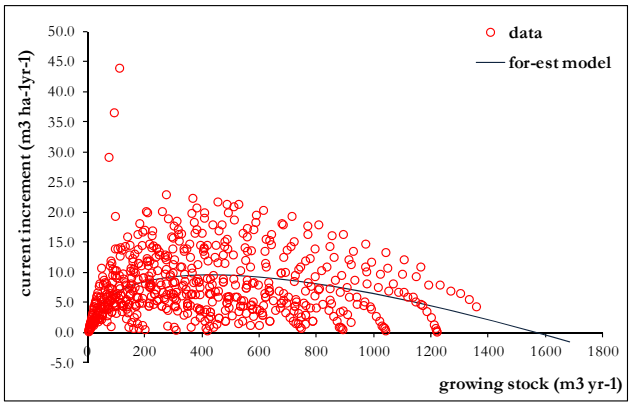
The Richards function, first derivative, has been fitted against data taken from all quality classes of each yield table (Figure 6), in order to calculate a set of variables' values for each FMP.



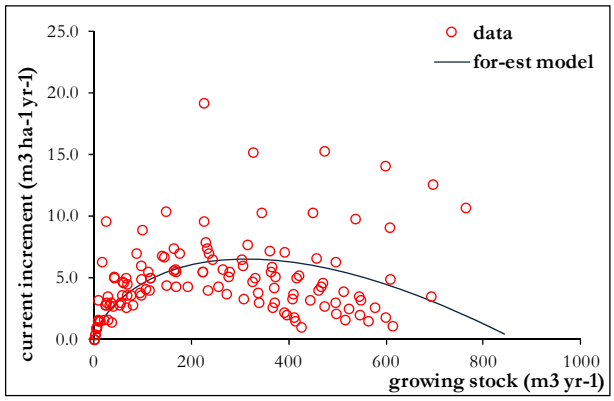
3a Trentino, *larches*



3b Lombardia, *norway spruce*



3c Piemonte, *other conifers*



3d Campania, *European beech*

Figure 6: *For-est* model fitting

The annual average rate of mortality allows to calculate all losses due to natural mortality and all disturbances other than fires. It has been estimated at 1.16% for evergreen forests and 1.17% for deciduous forest, in line with the IPCC Good Practice Guidance for LULUCF 2003. The rate of draining and grazing, applied to protective forest, has been set as 3% following an expert judgement (Federici et al., 2008).

Biomass losses from timber harvest, fuel wood collection are calculated on the basis of official statistic by ISTAT; total commercial harvested wood, for construction and energy purposes, has been published by ISTAT (disaggregated at NUTS2 level, in sectoral statistics). Aiming to take into account the informal harvest, the time series has been recalculated, applying a correction factor, on regional basis, to the commercial harvested wood statistical data. The correction factor[27], was inferred with the outcome of a 2005 NFI survey[28], carrying out a regional assessment of the harvested biomass. In Figure 7, the time series of harvest on stands, coppices and plantations, are shown.

[27] A correction factor for each Italian region (21) has been pointed out. The mean value is 1.57, obtained as ratio of data from official statistics and NFI survey data. The variance is equal to 0.82.

[28] NFI survey on harvested volume: http://www.sian.it/inventarioforestale/caricaDocumento?idAlle=442

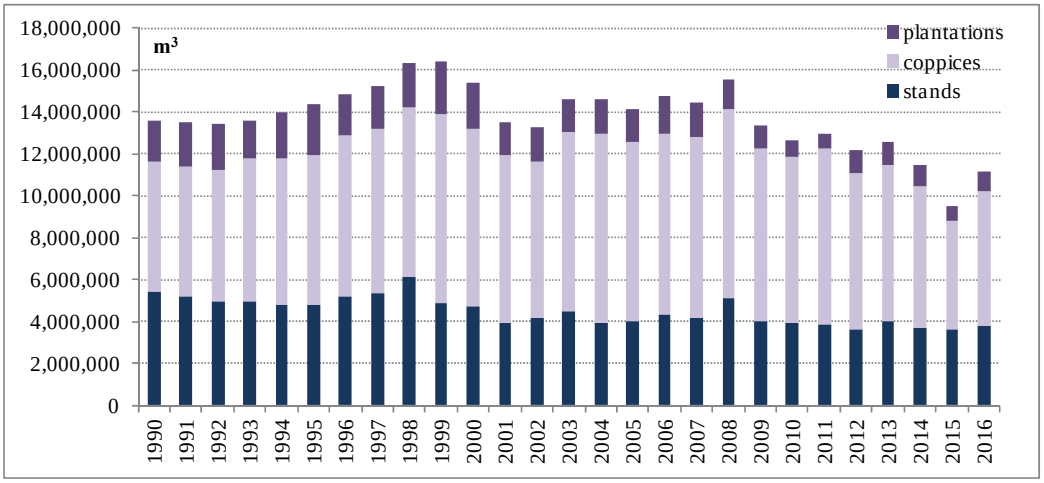


Figure 7 Harvest time series

The growing stock loss caused by forest fires has been estimated on the basis of the average growing stock per hectare. All the biomass stock present on a burned area is assumed to be lost, although only a fraction of it is assumed to be burned according to the fire typology.

The per hectare growing stock and associated gain and losses are converted into aboveground biomass stock applying the following equation:

$$\text{Aboveground tree biomass (d.m.)} = GS \cdot BEF \cdot WBD \cdot A$$

where:

GS = volume of growing stock (MAF/ISAFA, 1988) [$m^3\ ha^{-1}$] of specific FMP

BEF = Biomass Expansion Factors which expands growing stock volume to volume of aboveground woody biomass (ISAFA, 2004)

WBD = Wood Basic Density for conversions from fresh volume to dry weight (d.m) [$t\ m^{-3}$] (Giordano, 1980)

A = forest area of specific FMP [ha]

The BEFs and WBDs have been estimated for each forest inventory typology and are reported in following table 4.

	Inventory typology	**BEF** *aboveground biomass / growing stock*	**WBD** *Dry weigth t/ fresh volume*
Stands	norway spruce	1.29	0.38
	silver fir	1.34	0.38
	larches	1.22	0.56
	mountain pines	1.33	0.47
	mediterranean pines	1.53	0.53
	other conifers	1.37	0.43
	european beech	1.36	0.61
	turkey oak	1.45	0.69
	other oaks	1.42	0.67
	other broadleaves	1.47	0.53
Coppices	european beech	1.36	0.61
	sweet chestnut	1.33	0.49
	hornbeams	1.28	0.66
	other oaks	1.39	0.65
	turkey oak	1.23	0.69
	evergreen oaks	1.45	0.72
	other broadleaves	1.53	0.53
	conifers	1.38	0.43
Plantations	eucalyptuses coppices	1.33	0.54
	other broadleaves coppices	1.45	0.53
	poplars stands	1.24	0.29
	other broadleaves stands	1.53	0.53

Inventory typology	BEF *aboveground biomass / growing stock*	WBD *Dry weigth t/ fresh volume*
conifers stands	1.41	0.43
others	1.46	0.48
rupicolous forest	1.44	0.52
riparian forest	1.39	0.41

Table 4 Biomass Expansion Factors and Wood Basic Densities

Applying a Root/Shoot ratio (R) to the aboveground volume and the same WBDs the belowground biomass is derived for each forest inventory typology. The Rs have been estimated for each forest inventory typology and are reported in table 5. Data on root to shoot ratios have been taken from the following European projects: CANIF[29] (*CArbon and NItrogen cycling in Forest ecosystems*), CARBODATA[30] (*Carbon Balance Estimates and Resource Management - Support with Data from Project Networks Implemented at European Continental Scale*), CARBOINVENT[31] (*Multi-source inventory methods for quantifying carbon stocks and stock changes in European forests*) and COST[32] Action E21- Contribution of forests and forestry to mitigate greenhouse effects.

	Inventory typology	R *Root/shoot ratio*	WBD *Dry weigth t/ fresh volume*
stands	norway spruce	0.29	0.38
	silver fir	0.28	0.38
	Larches	0.29	0.56
	mountain pines	0.36	0.47
	mediterranean pines	0.33	0.53
	other conifers	0.29	0.43
	european beech	0.20	0.61
	turkey oak	0.24	0.69
	other oaks	0.20	0.67
	other broadleaves	0.24	0.53
coppices	european beech	0.20	0.61
	sweet chestnut	0.28	0.49
	Hornbeams	0.26	0.66
	other oaks	0.20	0.65
	turkey oak	0.24	0.69
	evergreen oaks	1.00	0.72
	other broadleaves	0.24	0.53
	Conifers	0.29	0.43
Plantations	eucalyptuses coppices	0.43	0.54
	other broadleaves coppices	0.24	0.53
	poplars stands	0.21	0.29
	other broadleaves stands	0.24	0.53
	conifers stands	0.29	0.43
	others	0.28	0.48
protective	rupicolous forest	0.42	0.52
	riparian forest	0.23	0.41

Table 5 Root/Shoot ratio and Wood Basic Densities

[29] CANIF-*CArbon and NItrogen cycling in Forest ecosystems* http://www.bgc-jena.mpg.de/bgc-processes/research/Schulze_Euro_CANIF.html; Scarascia Mugnozza G., Bauer G., Persson H., Matteucci G., Masci A.(2000). Tree biomass, growth and nutrient pools. In: Schulze E.-D. (edit.) Carbon and Nitrogen Cycling in European forest Ecosystems, Ecological Studies 142, Springer Verlag, Heidelberg. Pp. 49-62. ISBN 3-540-67239-7

[30] CARBODATA - Carbon Balance Estimates and Resource Management - Support with Data from Project Networks Implemented at European Continental Scale: http://afoludata.jrc.it/carbodat/proj_desc.html

[31] CARBOINVENT - Multi-source inventory methods for quantifying carbon stocks and stock changes in European forests; http://www.joanneum.at/carboinvent/

[32] COST Action E21 - Contribution of forests and forestry to mitigate greenhouse effects: http://www.cost.eu/domains_actions/fps/Actions/E21;http://www.afs-journal.org/index.php?option=com_article&access=standard&Itemid=129&url=/articles/forest/pdf/2005/08/F62800f.pdf

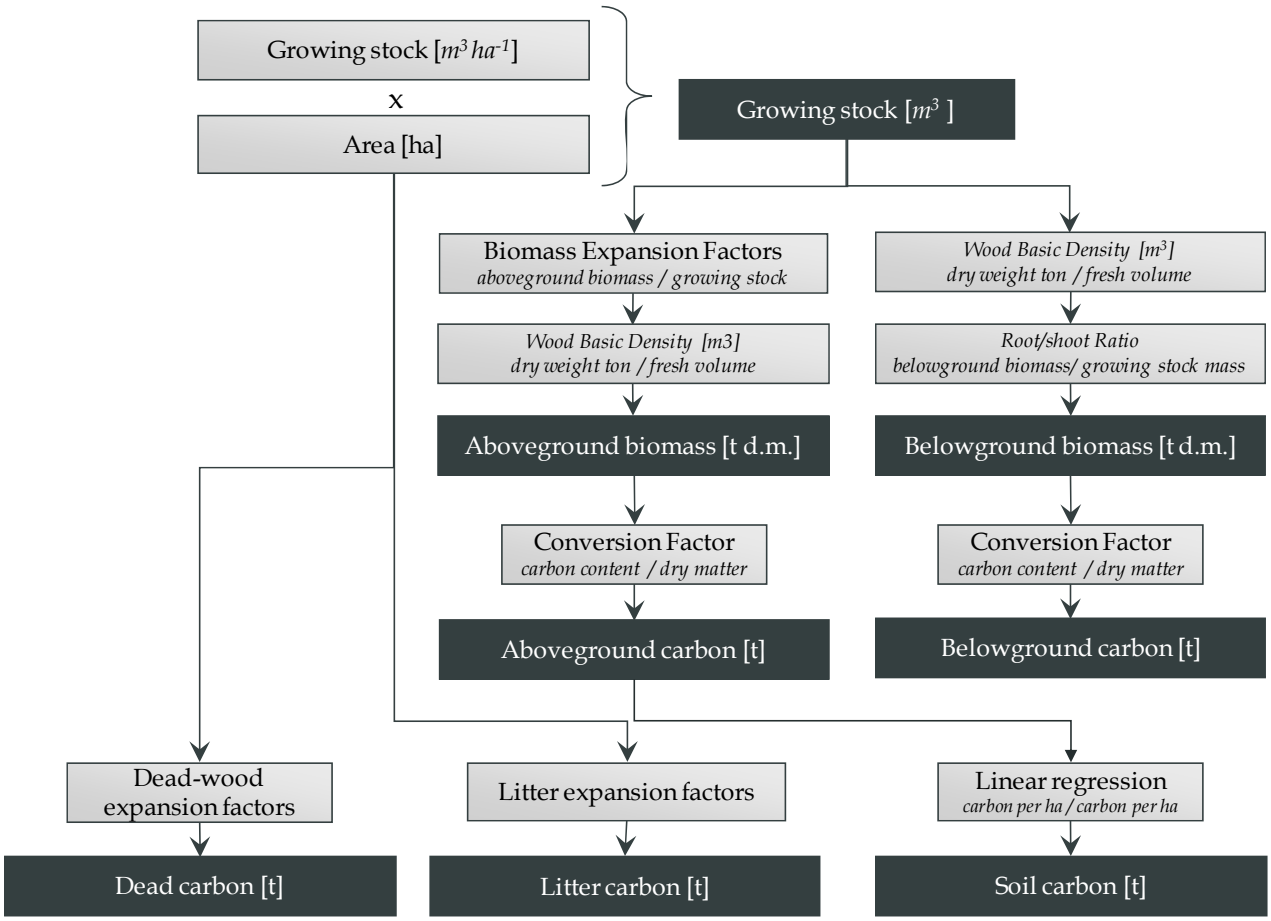


Figure 8 ***For-est*** **model flow-chart**

3.3.1 Emissions and removals from forests and harvested wood products as shown in the NIR and relevant historical data.

Emissions and removals from Forest land remaining Forest land for the reference period 2000-2009 have been calculated with the same model, i.e. *for-est*, applied for estimating the FRL. Historical C stock change estimates as well as the background data for harvest, fires and HWP inflow are reported in NIR (ISPRA, 2018 - table 6.1, figure 6.3, figure 6.4,) and in the related Common Reporting Formats (CRF) for the relevant years (CRF table 4.A).

3.3.2 Documentation on the calibration of the methodology (including information on actual FMPs applied for the period between the end of the RP and the beginning of the projection period (PP).

Since the same model, i.e. *for-est,* and the same background data used to prepare the GHG inventory of forest land have also been used for the estimate of the FRL, all information reported in section 3.3 of this report on model calibration and model's outputs verification also applies to the estimate of the FRL.

Considering that the projection of the data to estimate the FRL begins in the year 2010, no information on FMPs in years after 2009 has been used for estimating the FRL.

4. Forest Reference Level

4.1 FRL and detailed description of the development of the C pools under 'business as usual' (BAU)

C stocks in the aboveground and belowground biomass pools have been projected for the entire period 2010-2025 as described in section 3.3; their development, stratified by FMP, across the period 2010-2025 is reported in following table 6.

The SOM pool has not be projected since included neither in the forest land remaining forest land category of the Italian GHG inventory nor in the FM activity of the KP-LULUCF reporting.

C stocks in the HWP pool have been projected for the entire period 2010-2025 as described in section 3.3; their development, stratified by HWP type, across the period 2010-2025 is reported in table 7.

The time series of C stocks in the biomass pools of each FMP, for the administrative regions and provinces, are reported in the Appendix I.

Italy		2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025
inventory typology									*kt C*								
stands	norway spruce	31,585.7	31,619.0	31,658.3	31,699.0	31,745.4	31,789.7	31,836.6	31,880.0	31,923.4	31,966.9	32,010.4	32,053.9	32,097.4	32,140.9	32,184.3	32,227.6
	silver fir	5,883.0	5,913.6	5,941.6	5,976.7	6,013.8	6,048.8	6,084.6	6,119.6	6,154.5	6,189.1	6,223.6	6,257.9	6,291.9	6,325.6	6,359.1	6,392.4
	larches	17,955.0	18,081.8	18,210.7	18,340.0	18,473.1	18,601.4	18,728.7	18,858.3	18,987.5	19,116.2	19,244.5	19,372.2	19,499.2	19,625.7	19,751.5	19,876.6
	mountain pines	30,914.6	31,513.5	31,978.0	32,652.8	33,323.6	33,982.4	34,648.3	35,301.7	35,952.5	36,600.6	37,246.0	37,888.5	38,528.2	39,164.9	39,798.6	40,429.3
	mediterranean pines	13,475.9	13,729.4	13,856.1	14,164.7	14,457.7	14,755.4	15,023.5	15,293.9	15,556.3	15,810.8	16,057.5	16,296.4	16,527.9	16,751.8	16,968.5	17,178.1
	other conifers	1,866.3	1,908.2	1,941.7	1,987.1	2,030.9	2,075.5	2,118.2	2,161.3	2,204.1	2,246.4	2,288.4	2,329.9	2,371.1	2,411.8	2,452.1	2,491.9
coppices	european beech	38,906.8	39,244.9	39,450.0	39,970.6	40,498.7	40,988.7	41,503.4	41,994.0	42,479.3	42,959.1	43,433.5	43,902.3	44,365.5	44,823.1	45,274.9	45,721.1
	turkey oak	11,505.1	11,630.5	11,675.3	11,858.9	12,032.7	12,210.9	12,377.1	12,545.4	12,711.5	12,875.4	13,037.2	13,196.8	13,354.3	13,509.7	13,662.9	13,814.0
	other oaks	14,488.3	14,733.8	14,810.0	15,103.1	15,354.3	15,638.1	15,863.7	16,111.7	16,351.7	16,583.7	16,807.7	17,023.8	17,232.0	17,432.4	17,625.2	17,810.4
	other broadleaves	22,363.2	22,691.0	22,847.8	23,267.0	23,664.3	24,071.4	24,453.7	24,843.5	25,229.8	25,612.5	25,991.6	26,366.9	26,738.6	27,106.6	27,470.9	27,831.4
	european beech	30,891.4	31,240.6	31,498.4	31,898.9	32,285.1	32,627.8	32,964.9	33,337.6	33,706.9	34,071.9	34,432.2	34,787.0	35,136.0	35,478.7	35,814.5	36,143.0
	sweet chestnut	71,261.4	73,113.7	74,822.7	76,719.9	78,571.1	80,217.1	81,868.0	83,557.1	85,205.8	86,815.1	88,386.1	89,919.4	91,415.7	92,875.6	94,299.5	95,687.8
	hornbeams	13,541.0	13,643.7	13,735.3	13,852.0	13,967.0	14,049.8	14,140.3	14,238.3	14,332.2	14,422.4	14,508.9	14,591.8	14,671.3	14,747.5	14,820.4	14,890.3
	other oaks	26,971.3	27,355.3	27,603.7	28,019.4	28,391.2	28,718.6	29,010.8	29,340.8	29,655.5	29,955.9	30,242.6	30,516.6	30,778.5	31,029.0	31,269.0	31,498.9
	turkey oak	16,535.3	16,621.4	16,655.9	16,773.7	16,878.0	16,951.7	17,020.5	17,113.5	17,202.7	17,288.2	17,370.2	17,448.8	17,524.2	17,596.5	17,665.9	17,732.4
	evergreen oaks	15,019.1	15,160.2	15,220.8	15,411.0	15,584.3	15,736.8	15,858.2	16,021.5	16,181.9	16,339.4	16,493.8	16,645.4	16,793.9	16,939.5	17,082.2	17,222.0
	other broadleaves	64,524.6	65,793.0	66,923.8	68,123.2	69,262.9	70,214.0	71,132.5	72,032.4	72,870.2	73,648.7	74,370.7	75,039.2	75,657.2	76,227.7	76,753.7	77,238.1
plantations	conifers	7,077.8	7,222.0	7,355.3	7,505.8	7,658.3	7,799.4	7,941.6	8,088.1	8,233.8	8,378.3	8,521.7	8,663.9	8,804.7	8,944.1	9,082.0	9,218.5
	eucalyptuses coppices	104.3	105.3	103.5	105.2	105.9	106.8	106.4	107.1	107.6	108.0	108.3	108.5	108.6	108.7	108.8	108.8
	other broadleaves coppices	286.9	288.6	289.3	290.9	292.0	292.4	292.5	292.9	293.3	293.5	293.7	293.8	293.9	293.9	294.0	294.0
	poplars stands	11,678.6	11,868.3	12,027.2	12,160.4	12,272.1	12,365.5	12,443.6	12,508.7	12,562.9	12,608.1	12,645.5	12,676.6	12,702.4	12,723.8	12,741.5	12,756.2
	other broadleaves stands	614.1	623.9	633.5	647.3	661.7	677.0	691.3	706.8	722.3	737.9	753.5	769.1	784.6	800.1	815.5	830.9
	conifers stands	1,081.5	1,124.3	1,167.3	1,212.4	1,258.6	1,306.9	1,350.6	1,397.3	1,443.6	1,489.3	1,534.4	1,578.8	1,622.3	1,665.1	1,706.9	1,747.8
	others	24,177.3	24,630.0	25,053.9	25,603.0	26,156.1	26,714.7	27,214.0	27,740.0	28,251.2	28,747.4	29,228.4	29,694.3	30,145.0	30,580.7	31,001.6	31,408.0
protective	rupicolous forest	27,076.4	27,530.2	27,883.8	28,414.0	28,936.1	29,451.9	29,949.5	30,448.7	30,940.9	31,426.1	31,904.1	32,374.9	32,838.4	33,294.6	33,743.5	34,185.0
	riparian forest	7,059.0	7,102.1	7,142.0	7,188.6	7,236.5	7,281.2	7,325.5	7,368.9	7,411.3	7,452.8	7,493.3	7,533.0	7,571.8	7,609.7	7,646.7	7,682.9
	Total	**506,844**	**514,488**	**520,486**	**528,946**	**537,112**	**544,674**	**551,948**	**559,409**	**566,673**	**573,744**	**580,628**	**587,330**	**593,855**	**600,208**	**606,394**	**612,417**

Table 6 Aboveground and belowground C stock – Italy

HWP	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025
								kt C								
Sawnwood	-101.0	-99.4	-97.8	-96.4	-93.9	-91.4	-88.9	-86.4	-83.9	-81.5	-79.1	-76.7	-74.4	-72.1	-69.9	-67.8
Wood panels	191.9	185.4	178.8	171.7	169.3	167.4	165.7	164.3	162.9	161.7	160.5	159.4	158.3	157.2	156.1	155.0
Paper & Paperboard	-13.6	-9.9	-7.4	-5.8	-3.5	-1.8	-0.6	0.4	1.1	1.6	1.9	2.2	2.3	2.5	2.5	2.6
total	**77.4**	**76.1**	**73.7**	**69.5**	**71.9**	**74.2**	**76.2**	**78.3**	**80.1**	**81.8**	**83.4**	**84.9**	**86.3**	**87.6**	**88.8**	**89.9**

Table 7 Total C stock for Harvested Wood Product

4.1.1 Documentation on forest characteristic, including the age-related structure of strata, at the beginning of the FRL projection

The following tables 8-28 describe the forest characteristics, i.e. area and average aboveground biomass C stock, of each FMP in each region/province at the beginning of the projection period, i.e. at the end of the year 2009. Note that the aboveground biomass density is an age-related variable, which therefore changes year by year according to forest ageing as well as the impact of human activities and disturbances, including natural disturbances.

FMP	Function	Structure	Forest type	Area *kha*	Aboveground biomass density *t C ha^{-1}*
Forest Management Practice	productive	stands	norway spruce	2.51	7.27
	productive	stands	silver fir	1.03	47.67
	productive	stands	larches	0.00	0.00
	productive	stands	mountain pines	8.03	79.66
	productive	stands	mediterranean pines	1.11	85.77
	productive	stands	other conifers	0.00	0.00
	productive	stands	european beech	67.79	89.31
	productive	stands	turkey oak	8.01	72.26
	productive	stands	other oaks	19.01	60.46
	productive	stands	other broadleaves	13.95	58.19
	productive	coppices	european beech	51.27	43.42
	productive	coppices	sweet chestnut	6.66	84.76
	productive	coppices	hornbeams	11.42	23.22
	productive	coppices	other oaks	29.82	32.88
	productive	coppices	turkey oak	5.04	31.45
	productive	coppices	evergreen oaks	1.20	41.01
	productive	coppices	other broadleaves	21.60	51.21
	productive	coppices	conifers	2.34	44.03
	productive	plantation	eucalyptus coppices	0.00	0.00
	productive	plantation	other broadleaves coppices	0.04	11.23
	productive	plantation	poplars stands	0.18	26.35
	productive	plantation	other broadleaves stands	0.60	3.95
	productive	plantation	conifers stands	0.05	3.75
	productive	plantation	others	2.10	10.75
	protective	other	rupicolous forest	24.68	28.69
	protective	other	riparian forest	0.00	0.00

Table 8 Abruzzo - Stratification of FMPs - year 2009

FMP	Function	Structure	Forest type	Area *kha*	Aboveground biomass density *t C ha^{-1}*
Forest Management Practice	productive	stands	norway spruce	140.94	57.29
	productive	stands	silver fir	4.41	69.74
	productive	stands	larches	52.18	57.96
	productive	stands	mountain pines	49.49	81.68

	productive	stands	mediterranean pines	0.00	0.00
	productive	stands	other conifers	2.20	54.93
	productive	stands	european beech	4.27	68.07
	productive	stands	turkey oak	0.00	0.00
	productive	stands	other oaks	3.41	54.59
	productive	stands	other broadleaves	4.17	46.81
	productive	coppices	european beech	2.58	1.57
	productive	coppices	sweet chestnut	3.29	5.45
	productive	coppices	hornbeams	3.11	3.06
	productive	coppices	other oaks	3.46	3.00
	productive	coppices	turkey oak	0.00	0.00
	productive	coppices	evergreen oaks	0.00	0.00
	productive	coppices	other broadleaves	1.76	4.96
	productive	coppices	conifers	1.16	1.10
	productive	plantation	eucalyptus coppices	0.00	0.00
	productive	plantation	other broadleaves coppices	0.00	0.00
	productive	plantation	poplars stands	0.00	0.00
	productive	plantation	other broadleaves stands	0.00	0.00
	productive	plantation	conifers stands	0.96	1.55
	productive	plantation	others	0.00	0.00
	protective	other	rupicolous forest	33.59	27.31
	protective	other	riparian forest	0.00	0.00

Table 9 Alto Adige - Stratification of FMPs - year 2009

FMP	Function	Structure	Forest type	Area	Aboveground biomass density
				kha	*t C ha^{-1}*
Forest Management Practice	productive	stands	norway spruce	0.00	0.00
	productive	stands	silver fir	1.11	37.21
	productive	stands	larches	0.00	0.00
	productive	stands	mountain pines	3.43	62.19
	productive	stands	mediterranean pines	3.10	88.95
	productive	stands	other conifers	1.01	53.42
	productive	stands	european beech	27.39	89.97
	productive	stands	turkey oak	32.86	90.67
	productive	stands	other oaks	19.59	61.10
	productive	stands	other broadleaves	30.96	58.51
	productive	coppices	european beech	4.64	34.55
	productive	coppices	sweet chestnut	6.91	68.29
	productive	coppices	hornbeams	5.35	19.58
	productive	coppices	other oaks	33.97	30.79
	productive	coppices	turkey oak	8.94	34.32
	productive	coppices	evergreen oaks	10.04	36.09
	productive	coppices	other broadleaves	13.98	45.25
	productive	coppices	conifers	1.23	34.55
	productive	plantation	eucalyptus coppices	0.00	0.00
	productive	plantation	other broadleaves coppices	0.01	7.82
	productive	plantation	poplars stands	0.07	17.83
	productive	plantation	other broadleaves stands	0.02	2.86
	productive	plantation	conifers stands	0.02	2.60
	productive	plantation	others	0.83	7.25

	protective	other	rupicolous forest	26.76	36.14
	protective	other	riparian forest	0.96	45.55

Table 10 Basilicata - Stratification of FMPs - year 2009

FMP	Function	Structure	Forest type	Area	Aboveground biomass density
				kha	*t C ha^{-1}*
Forest Management Practice	productive	stands	norway spruce	0.00	0.00
	productive	stands	silver fir	4.06	37.33
	productive	stands	larches	0.00	0.00
	productive	stands	mountain pines	77.04	60.74
	productive	stands	mediterranean pines	9.94	82.54
	productive	stands	other conifers	1.05	49.39
	productive	stands	european beech	57.14	87.17
	productive	stands	turkey oak	5.19	80.33
	productive	stands	other oaks	27.49	56.97
	productive	stands	other broadleaves	58.59	54.60
	productive	coppices	european beech	30.20	39.27
	productive	coppices	sweet chestnut	35.06	71.29
	productive	coppices	hornbeams	6.23	19.62
	productive	coppices	other oaks	15.06	30.17
	productive	coppices	turkey oak	13.41	31.47
	productive	coppices	evergreen oaks	21.96	39.03
	productive	coppices	other broadleaves	31.30	45.16
	productive	coppices	conifers	3.34	36.93
	productive	plantation	eucalyptus coppices	0.31	69.29
	productive	plantation	other broadleaves coppices	0.26	73.94
	productive	plantation	poplars stands	1.90	42.83
	productive	plantation	other broadleaves stands	0.87	44.43
	productive	plantation	conifers stands	0.33	100.96
	productive	plantation	others	15.19	114.23
	protective	other	rupicolous forest	46.21	34.20
	protective	other	riparian forest	0.94	43.29

Table 11 Calabria - Stratification of FMPs - year 2009

FMP	Function	Structure	Forest type	Area	Aboveground biomass density
				kha	*t C ha^{-1}*
Forest Management Practice	productive	stands	norway spruce	0.00	0.00
	productive	stands	silver fir	1.19	29.65
	productive	stands	larches	0.00	0.00
	productive	stands	mountain pines	1.94	52.56
	productive	stands	mediterranean pines	1.36	64.61
	productive	stands	other conifers	0.00	0.00
	productive	stands	european beech	43.92	65.63
	productive	stands	turkey oak	8.02	55.26
	productive	stands	other oaks	5.45	45.93
	productive	stands	other broadleaves	12.37	41.93
	productive	coppices	european beech	9.43	26.86
	productive	coppices	sweet chestnut	35.18	54.11
	productive	coppices	hornbeams	20.05	15.80

	productive	coppices	other oaks	49.33	13.84
	productive	coppices	turkey oak	21.39	23.52
	productive	coppices	evergreen oaks	9.28	27.64
	productive	coppices	other broadleaves	49.89	36.31
	productive	coppices	conifers	5.34	27.12
	productive	plantation	eucalyptus coppices	0.00	0.00
	productive	plantation	other broadleaves coppices	0.34	74.47
	productive	plantation	poplars stands	2.31	43.09
	productive	plantation	other broadleaves stands	1.00	44.30
	productive	plantation	conifers stands	0.42	100.83
	productive	plantation	others	19.71	114.51
	protective	other	rupicolous forest	25.70	35.78
	protective	other	riparian forest	0.00	0.00

Table 12 Campania - Stratification of FMPs - year 2009

FMP	Function	Structure	Forest type	Area	Aboveground biomass density
				kha	*t C ha^{-1}*
Forest Management Practice	productive	stands	norway spruce	3.68	7.22
	productive	stands	silver fir	1.74	33.82
	productive	stands	larches	1.78	3.86
	productive	stands	mountain pines	8.13	69.96
	productive	stands	mediterranean pines	1.91	84.23
	productive	stands	other conifers	0.94	46.90
	productive	stands	european beech	6.49	76.67
	productive	stands	turkey oak	4.75	61.79
	productive	stands	other oaks	4.81	57.07
	productive	stands	other broadleaves	9.32	52.36
	productive	coppices	european beech	73.39	47.36
	productive	coppices	sweet chestnut	26.78	94.65
	productive	coppices	hornbeams	52.79	26.66
	productive	coppices	other oaks	47.15	34.72
	productive	coppices	turkey oak	38.31	35.32
	productive	coppices	evergreen oaks	1.98	38.68
	productive	coppices	other broadleaves	76.83	57.80
	productive	coppices	conifers	8.35	51.08
	productive	plantation	eucalyptus coppices	0.00	0.00
	productive	plantation	other broadleaves coppices	0.11	75.48
	productive	plantation	poplars stands	18.10	43.02
	productive	plantation	other broadleaves stands	0.86	38.25
	productive	plantation	conifers stands	0.14	87.87
	productive	plantation	others	6.52	102.95
	protective	other	rupicolous forest	19.79	36.35
	protective	other	riparian forest	25.73	43.43

Table 13 Emilia Romagna - Stratification of FMPs - year 2009

FMP	Function	Structure	Forest type	Area	Aboveground biomass density
				kha	*t C ha^{-1}*
Forest Management Practice	productive	stands	norway spruce	33.59	53.24
	productive	stands	silver fir	6.70	71.38

	productive	stands	larches	8.37	55.83
	productive	stands	mountain pines	15.52	81.04
	productive	stands	mediterranean pines	0.99	91.59
	productive	stands	other conifers	0.99	55.25
	productive	stands	european beech	40.45	96.86
	productive	stands	turkey oak	0.00	0.00
	productive	stands	other oaks	1.99	60.65
	productive	stands	other broadleaves	10.77	63.30
	productive	coppices	european beech	10.64	64.57
	productive	coppices	sweet chestnut	6.66	84.21
	productive	coppices	hornbeams	13.63	23.26
	productive	coppices	other oaks	3.66	30.83
	productive	coppices	turkey oak	0.00	0.00
	productive	coppices	evergreen oaks	0.00	0.00
	productive	coppices	other broadleaves	35.68	51.93
	productive	coppices	conifers	9.63	44.74
	productive	plantation	eucalyptus coppices	0.00	0.00
	productive	plantation	other broadleaves coppices	0.02	29.91
	productive	plantation	poplars stands	1.65	42.58
	productive	plantation	other broadleaves stands	0.03	8.83
	productive	plantation	conifers stands	0.02	13.00
	productive	plantation	others	1.16	28.06
	protective	other	rupicolous forest	69.31	26.29
	protective	other	riparian forest	12.51	43.96

Table 14 Friuli Venezia Giulia - Stratification of FMPs - year 2009

FMP	Function	Structure	Forest type	Area *kha*	Aboveground biomass density *t C ha^{-1}*
Forest Management Practice	productive	stands	norway spruce	0.00	0.00
	productive	stands	silver fir	0.00	0.00
	productive	stands	larches	0.00	0.00
	productive	stands	mountain pines	4.30	60.70
	productive	stands	mediterranean pines	4.10	67.48
	productive	stands	other conifers	1.02	38.02
	productive	stands	european beech	36.83	52.76
	productive	stands	turkey oak	10.05	45.84
	productive	stands	other oaks	7.20	45.71
	productive	stands	other broadleaves	9.22	41.81
	productive	coppices	european beech	38.73	30.86
	productive	coppices	sweet chestnut	32.92	109.77
	productive	coppices	hornbeams	69.98	17.40
	productive	coppices	other oaks	56.85	25.77
	productive	coppices	turkey oak	48.79	25.76
	productive	coppices	evergreen oaks	27.27	29.73
	productive	coppices	other broadleaves	45.81	39.83
	productive	coppices	conifers	4.98	29.72
	productive	plantation	eucalyptus coppices	0.00	0.00
	productive	plantation	other broadleaves coppices	0.10	42.46
	productive	plantation	poplars stands	1.13	37.66
	productive	plantation	other broadleaves stands	0.64	12.77
	productive	plantation	conifers stands	0.13	26.43

	productive	plantation	others	5.86	39.74
	protective	other	rupicolous forest	23.59	25.49
	protective	other	riparian forest	0.98	40.37

Table 15 Lazio - Stratification of FMPs - year 2009

FMP	Function	Structure	Forest type	Area	Aboveground biomass density
				kha	*t C ha^{-1}*
Forest Management Practice	productive	stands	norway spruce	1.69	4.80
	productive	stands	silver fir	0.81	33.60
	productive	stands	larches	5.94	2.56
	productive	stands	mountain pines	13.64	28.62
	productive	stands	mediterranean pines	17.71	57.37
	productive	stands	other conifers	0.89	29.83
	productive	stands	european beech	1.89	48.23
	productive	stands	turkey oak	1.82	38.11
	productive	stands	other oaks	0.98	36.41
	productive	stands	other broadleaves	11.47	33.35
	productive	coppices	european beech	20.49	74.82
	productive	coppices	sweet chestnut	88.47	104.24
	productive	coppices	hornbeams	12.30	27.92
	productive	coppices	other oaks	45.72	36.96
	productive	coppices	turkey oak	9.33	37.53
	productive	coppices	evergreen oaks	7.03	53.05
	productive	coppices	other broadleaves	58.76	59.69
	productive	coppices	conifers	6.28	54.45
	productive	plantation	eucalyptus coppices	0.00	0.00
	productive	plantation	other broadleaves coppices	0.00	5.80
	productive	plantation	poplars stands	0.00	10.17
	productive	plantation	other broadleaves stands	0.00	0.00
	productive	plantation	conifers stands	0.01	1.10
	productive	plantation	others	0.00	0.00
	protective	other	rupicolous forest	22.00	35.10
	protective	other	riparian forest	0.00	0.00

Table 16 Liguria - Stratification of FMPs - year 2009

FMP	Function	Structure	Forest type	Area	Aboveground biomass density
				kha	*t C ha^{-1}*
Forest Management Practice	productive	stands	norway spruce	64.33	33.32
	productive	stands	silver fir	11.61	47.36
	productive	stands	larches	33.19	35.16
	productive	stands	mountain pines	19.53	48.15
	productive	stands	mediterranean pines	0.00	0.00
	productive	stands	other conifers	4.00	39.28
	productive	stands	european beech	5.49	54.15
	productive	stands	turkey oak	2.48	48.74
	productive	stands	other oaks	2.94	40.84
	productive	stands	other broadleaves	17.86	43.22
	productive	coppices	european beech	23.18	67.10
	productive	coppices	sweet chestnut	55.64	103.14
	productive	coppices	hornbeams	43.13	29.05

	productive	coppices	other oaks	17.79	38.43
	productive	coppices	turkey oak	9.42	37.22
	productive	coppices	evergreen oaks	0.00	0.00
	productive	coppices	other broadleaves	134.96	61.18
	productive	coppices	conifers	16.48	58.21
	productive	plantation	eucalyptus coppices	0.00	0.00
	productive	plantation	other broadleaves coppices	0.11	78.48
	productive	plantation	poplars stands	41.57	89.40
	productive	plantation	other broadleaves stands	0.85	48.54
	productive	plantation	conifers stands	0.14	110.05
	productive	plantation	others	6.49	124.59
	protective	other	rupicolous forest	28.76	27.37
	protective	other	riparian forest	21.34	44.47

Table 17 Lombardia - Stratification of FMPs - year 2009

FMP	Function	Structure	Forest type	Area	Aboveground biomass density
				kha	*t C ha^{-1}*
Forest Management Practice	productive	stands	norway spruce	2.02	7.20
	productive	stands	silver fir	0.94	23.58
	productive	stands	larches	0.00	0.00
	productive	stands	mountain pines	4.68	64.04
	productive	stands	mediterranean pines	2.86	72.81
	productive	stands	other conifers	0.96	38.37
	productive	stands	european beech	8.38	22.09
	productive	stands	turkey oak	2.84	45.86
	productive	stands	other oaks	1.92	46.71
	productive	stands	other broadleaves	2.81	37.56
	productive	coppices	european beech	17.30	25.46
	productive	coppices	sweet chestnut	3.90	46.41
	productive	coppices	hornbeams	30.02	14.91
	productive	coppices	other oaks	100.88	14.35
	productive	coppices	turkey oak	11.43	19.52
	productive	coppices	evergreen oaks	7.36	23.87
	productive	coppices	other broadleaves	12.81	33.62
	productive	coppices	conifers	1.24	22.32
	productive	plantation	eucalyptus coppices	0.00	0.00
	productive	plantation	other broadleaves coppices	0.02	5.79
	productive	plantation	poplars stands	0.10	13.41
	productive	plantation	other broadleaves stands	0.64	2.41
	productive	plantation	conifers stands	0.03	1.16
	productive	plantation	others	1.17	4.12
	protective	other	rupicolous forest	7.83	26.91
	protective	other	riparian forest	0.00	0.00

Table 18 Marche - Stratification of FMPs - year 2009

FMP	Function	Structure	Forest type	Area	Aboveground biomass density
				kha	*t C ha^{-1}*
Forest Management Practice	productive	stands	norway spruce	0.00	0.00
	productive	stands	silver fir	1.86	67.68
	productive	stands	larches	0.00	0.00
	productive	stands	mountain pines	0.93	98.76
	productive	stands	mediterranean pines	0.00	0.00
	productive	stands	other conifers	0.00	0.00
	productive	stands	european beech	7.60	104.61
	productive	stands	turkey oak	6.70	98.75
	productive	stands	other oaks	0.96	63.87
	productive	stands	other broadleaves	2.83	67.60
	productive	coppices	european beech	8.40	31.40
	productive	coppices	sweet chestnut	0.95	65.99
	productive	coppices	hornbeams	6.94	17.73
	productive	coppices	other oaks	40.10	28.63
	productive	coppices	turkey oak	20.35	26.85
	productive	coppices	evergreen oaks	1.11	31.52
	productive	coppices	other broadleaves	1.68	39.55
	productive	coppices	conifers	1.12	31.07
	productive	plantation	eucalyptus coppices	0.00	0.00
	productive	plantation	other broadleaves coppices	0.00	5.59
	productive	plantation	poplars stands	0.01	9.41
	productive	plantation	other broadleaves stands	0.00	0.00
	productive	plantation	conifers stands	0.00	1.06
	productive	plantation	others	0.00	0.00
	protective	other	rupicolous forest	8.54	32.00
	protective	other	riparian forest	0.00	0.00

Table 19 Molise - Stratification of FMPs - year 2009

FMP	Function	Structure	Forest type	Area	Aboveground biomass density
				kha	*t C ha^{-1}*
Forest Management Practice	productive	stands	norway spruce	2.09	27.75
	productive	stands	silver fir	14.50	41.07
	productive	stands	larches	84.64	29.91
	productive	stands	mountain pines	27.49	39.06
	productive	stands	mediterranean pines	0.00	0.00
	productive	stands	other conifers	1.01	36.39
	productive	stands	european beech	7.10	53.16
	productive	stands	turkey oak	1.05	45.93
	productive	stands	other oaks	5.09	44.45
	productive	stands	other broadleaves	55.31	41.27
	productive	coppices	european beech	71.15	56.72
	productive	coppices	sweet chestnut	105.46	88.38
	productive	coppices	hornbeams	13.86	23.22
	productive	coppices	other oaks	25.54	29.68
	productive	coppices	turkey oak	13.74	31.07
	productive	coppices	evergreen oaks	0.00	0.00
	productive	coppices	other broadleaves	132.24	53.60
	productive	coppices	conifers	16.29	44.78

	productive	plantation	eucalyptus coppices	0.00	0.00
	productive	plantation	other broadleaves coppices	0.36	70.89
	productive	plantation	poplars stands	37.27	78.28
	productive	plantation	other broadleaves stands	1.20	24.60
	productive	plantation	conifers stands	0.44	52.97
	productive	plantation	others	20.41	75.53
	protective	other	rupicolous forest	58.71	24.60
	protective	other	riparian forest	25.99	39.79

Table 20 Piemonte - Stratification of FMPs - year 2009

FMP	Function	Structure	Forest type	Area	Aboveground biomass density
				kha	*t C ha^{-1}*
Forest Management Practice	productive	stands	norway spruce	0.00	0.00
	productive	stands	silver fir	0.00	0.00
	productive	stands	larches	0.00	0.00
	productive	stands	mountain pines	2.24	47.26
	productive	stands	mediterranean pines	17.80	68.23
	productive	stands	other conifers	1.09	13.40
	productive	stands	european beech	5.26	25.02
	productive	stands	turkey oak	10.12	53.96
	productive	stands	other oaks	6.62	35.45
	productive	stands	other broadleaves	21.37	34.26
	productive	coppices	european beech	1.66	3.12
	productive	coppices	sweet chestnut	1.63	14.45
	productive	coppices	hornbeams	3.70	5.12
	productive	coppices	other oaks	40.60	2.54
	productive	coppices	turkey oak	1.59	6.79
	productive	coppices	evergreen oaks	7.86	6.20
	productive	coppices	other broadleaves	1.60	9.39
	productive	coppices	conifers	1.05	4.41
	productive	plantation	eucalyptus coppices	0.00	6.57
	productive	plantation	other broadleaves coppices	0.00	5.64
	productive	plantation	poplars stands	0.00	9.43
	productive	plantation	other broadleaves stands	0.00	0.00
	productive	plantation	conifers stands	0.00	1.07
	productive	plantation	others	0.00	0.00
	protective	other	rupicolous forest	0.96	38.78
	protective	other	riparian forest	0.00	0.00

Table 21 Puglia - Stratification of FMPs - year 2009

FMP	Function	Structure	Forest type	Area	Aboveground biomass density
				kha	*t C ha^{-1}*
Forest Management Practice	productive	stands	norway spruce	0.00	0.00
	productive	stands	silver fir	0.00	0.00
	productive	stands	larches	0.00	0.00
	productive	stands	mountain pines	2.48	58.83
	productive	stands	mediterranean pines	12.73	63.68
	productive	stands	other conifers	1.18	25.31
	productive	stands	european beech	0.00	0.00

	productive	stands	turkey oak	2.56	29.39
	productive	stands	other oaks	53.57	34.88
	productive	stands	other broadleaves	8.58	28.45
	productive	coppices	european beech	0.00	0.00
	productive	coppices	sweet chestnut	4.40	126.07
	productive	coppices	hornbeams	0.00	0.00
	productive	coppices	other oaks	27.50	8.49
	productive	coppices	turkey oak	3.76	29.15
	productive	coppices	evergreen oaks	72.56	35.20
	productive	coppices	other broadleaves	64.12	44.62
	productive	coppices	conifers	6.07	35.60
	productive	plantation	eucalyptus coppices	0.34	73.07
	productive	plantation	other broadleaves coppices	1.21	78.23
	productive	plantation	poplars stands	6.07	43.33
	productive	plantation	other broadleaves stands	4.57	44.16
	productive	plantation	conifers stands	5.84	100.73
	productive	plantation	others	69.15	115.16
	protective	other	rupicolous forest	80.08	19.59
	protective	other	riparian forest	0.00	0.00

Table 22 Sardegna - Stratification of FMPs - year 2009

FMP	Function	Structure	Forest type	Area	Aboveground biomass density
				kha	*t C ha^{-1}*
Forest Management Practice	productive	stands	norway spruce	0.00	0.00
	productive	stands	silver fir	0.00	0.00
	productive	stands	larches	0.00	0.00
	productive	stands	mountain pines	9.87	28.16
	productive	stands	mediterranean pines	21.55	41.90
	productive	stands	other conifers	2.04	29.04
	productive	stands	european beech	4.05	27.65
	productive	stands	turkey oak	12.93	43.57
	productive	stands	other oaks	40.26	38.46
	productive	stands	other broadleaves	40.27	29.19
	productive	coppices	european beech	14.68	40.83
	productive	coppices	sweet chestnut	3.14	73.08
	productive	coppices	hornbeams	1.54	19.21
	productive	coppices	other oaks	29.83	31.47
	productive	coppices	turkey oak	10.35	31.09
	productive	coppices	evergreen oaks	8.81	40.15
	productive	coppices	other broadleaves	2.62	43.26
	productive	coppices	conifers	1.25	37.03
	productive	plantation	eucalyptus coppices	0.32	67.52
	productive	plantation	other broadleaves coppices	0.05	72.00
	productive	plantation	poplars stands	0.23	42.61
	productive	plantation	other broadleaves stands	0.52	31.23
	productive	plantation	conifers stands	0.06	71.80
	productive	plantation	others	2.67	87.15
	protective	other	rupicolous forest	19.26	25.84
	protective	other	riparian forest	0.00	0.00

Table 23 Sicilia - Stratification of FMPs - year 2009

FMP	Function	Structure	Forest type	Area	Aboveground biomass density
				kha	*t C ha^{-1}*
Forest Management Practice	productive	stands	norway spruce	2.27	6.95
	productive	stands	silver fir	1.84	45.42
	productive	stands	larches	3.89	3.87
	productive	stands	mountain pines	17.58	80.06
	productive	stands	mediterranean pines	30.26	92.12
	productive	stands	other conifers	4.71	54.74
	productive	stands	european beech	17.03	98.98
	productive	stands	turkey oak	5.76	76.16
	productive	stands	other oaks	13.48	61.95
	productive	stands	other broadleaves	20.71	63.48
	productive	coppices	european beech	55.11	48.05
	productive	coppices	sweet chestnut	130.22	92.69
	productive	coppices	hornbeams	71.09	24.50
	productive	coppices	other oaks	133.51	31.04
	productive	coppices	turkey oak	135.91	34.03
	productive	coppices	evergreen oaks	31.67	45.73
	productive	coppices	other broadleaves	155.01	54.50
	productive	coppices	conifers	16.53	46.26
	productive	plantation	eucalyptus coppices	0.00	0.00
	productive	plantation	other broadleaves coppices	0.28	77.59
	productive	plantation	poplars stands	2.57	43.17
	productive	plantation	other broadleaves stands	0.90	44.59
	productive	plantation	conifers stands	0.34	101.65
	productive	plantation	others	15.97	115.98
	protective	other	rupicolous forest	40.13	43.22
	protective	other	riparian forest	2.87	44.59

Table 24 Toscana - Stratification of FMPs - year 2009

FMP	Function	Structure	Forest type	Area	Aboveground biomass density
				kha	*t C ha^{-1}*
Forest Management Practice	productive	stands	norway spruce	106.74	49.24
	productive	stands	silver fir	21.50	63.26
	productive	stands	larches	59.13	50.54
	productive	stands	mountain pines	35.14	69.17
	productive	stands	mediterranean pines	0.00	0.00
	productive	stands	other conifers	1.07	48.51
	productive	stands	european beech	2.90	67.39
	productive	stands	turkey oak	1.30	58.14
	productive	stands	other oaks	1.56	48.91
	productive	stands	other broadleaves	4.83	51.59
	productive	coppices	european beech	8.04	9.01
	productive	coppices	sweet chestnut	2.68	21.76
	productive	coppices	hornbeams	13.62	7.12
	productive	coppices	other oaks	14.72	8.46
	productive	coppices	turkey oak	4.03	8.11
	productive	coppices	evergreen oaks	0.00	0.00
	productive	coppices	other broadleaves	28.17	14.91
	productive	coppices	conifers	12.51	8.81

	productive	plantation	eucalyptus coppices	0.00	0.00
	productive	plantation	other broadleaves coppices	0.00	0.00
	productive	plantation	poplars stands	0.00	0.00
	productive	plantation	other broadleaves stands	0.00	0.00
	productive	plantation	conifers stands	0.01	1.48
	productive	plantation	others	0.00	0.00
	protective	other	rupicolous forest	36.17	25.91
	protective	other	riparian forest	0.00	0.00

Table 25 Trentino - Stratification of FMPs - year 2009

FMP	Function	Structure	Forest type	Area	Aboveground biomass density
				kha	*t C ha^{-1}*
Forest Management Practice	productive	stands	norway spruce	0.00	0.00
	productive	stands	silver fir	0.00	0.00
	productive	stands	larches	0.00	0.00
	productive	stands	mountain pines	12.14	72.63
	productive	stands	mediterranean pines	7.55	85.44
	productive	stands	other conifers	0.95	47.63
	productive	stands	european beech	6.61	81.78
	productive	stands	turkey oak	1.90	64.05
	productive	stands	other oaks	4.75	57.08
	productive	stands	other broadleaves	0.93	53.47
	productive	coppices	european beech	13.11	18.06
	productive	coppices	sweet chestnut	5.46	31.86
	productive	coppices	hornbeams	40.36	11.05
	productive	coppices	other oaks	107.68	17.67
	productive	coppices	turkey oak	47.71	14.05
	productive	coppices	evergreen oaks	17.98	17.47
	productive	coppices	other broadleaves	30.70	24.77
	productive	coppices	conifers	3.29	16.39
	productive	plantation	eucalyptus coppices	0.00	0.00
	productive	plantation	other broadleaves coppices	0.00	5.73
	productive	plantation	poplars stands	0.01	9.70
	productive	plantation	other broadleaves stands	0.00	0.00
	productive	plantation	conifers stands	0.00	1.09
	productive	plantation	others	0.00	0.00
	protective	other	rupicolous forest	12.23	46.80
	protective	other	riparian forest	1.88	50.91

Table 26 Umbria - Stratification of FMPs - year 2009

FMP	Function	Structure	Forest type	Area	Aboveground biomass density
				kha	*t C ha^{-1}*
Forest Management Practice	productive	stands	norway spruce	10.96	52.07
	productive	stands	silver fir	1.02	68.79
	productive	stands	larches	29.81	52.66
	productive	stands	mountain pines	14.47	67.12
	productive	stands	mediterranean pines	0.00	0.00
	productive	stands	other conifers	1.05	53.27
	productive	stands	european beech	2.12	100.23
	productive	stands	turkey oak	0.00	0.00
	productive	stands	other oaks	1.07	64.39
	productive	stands	other broadleaves	5.23	67.23
	productive	coppices	european beech	0.97	70.19
	productive	coppices	sweet chestnut	2.58	102.70
	productive	coppices	hornbeams	1.16	28.22
	productive	coppices	other oaks	1.36	37.99
	productive	coppices	turkey oak	0.00	0.00
	productive	coppices	evergreen oaks	0.00	0.00
	productive	coppices	other broadleaves	1.82	59.73
	productive	coppices	conifers	1.20	58.70
	productive	plantation	eucalyptus coppices	0.00	0.00
	productive	plantation	other broadleaves coppices	0.00	0.00
	productive	plantation	poplars stands	0.00	0.00
	productive	plantation	other broadleaves stands	0.00	0.00
	productive	plantation	conifers stands	0.00	0.00
	productive	plantation	others	0.00	0.00
	protective	other	rupicolous forest	10.11	23.48
	protective	other	riparian forest	0.00	0.00

Table 27 Valle d'Aosta - Stratification of FMPs - year 2009

FMP	Function	Structure	Forest type	Area	Aboveground biomass density
				kha	*t C ha^{-1}*
Forest Management Practice	productive	stands	norway spruce	95.05	51.80
	productive	stands	silver fir	3.99	67.98
	productive	stands	larches	17.43	53.47
	productive	stands	mountain pines	6.24	73.01
	productive	stands	mediterranean pines	1.12	88.89
	productive	stands	other conifers	3.07	56.19
	productive	stands	european beech	8.40	96.26
	productive	stands	turkey oak	2.14	77.16
	productive	stands	other oaks	2.22	61.14
	productive	stands	other broadleaves	6.31	62.78
	productive	coppices	european beech	29.16	63.51
	productive	coppices	sweet chestnut	7.53	83.04
	productive	coppices	hornbeams	37.91	23.20
	productive	coppices	other oaks	7.50	31.12
	productive	coppices	turkey oak	4.61	30.66
	productive	coppices	evergreen oaks	0.00	0.00
	productive	coppices	other broadleaves	44.43	52.52
	productive	coppices	conifers	4.22	47.79

productive	plantation	eucalyptus coppices	0.00	0.00
productive	plantation	other broadleaves coppices	0.02	77.30
productive	plantation	poplars stands	4.43	85.40
productive	plantation	other broadleaves stands	0.04	35.12
productive	plantation	conifers stands	0.03	80.30
productive	plantation	others	1.29	99.30
protective	other	rupicolous forest	22.24	24.43
protective	other	riparian forest	24.17	43.29

Table 28 Veneto - Stratification of FMPs - year 2009

4.1.2 Documentation and justification of the starting year of the FRL projection

The projection starts in the year 2010. This starting date is consistent with the requirement to use the historical period until 2009 to define the current forest management practices to be projected. Further, such starting date makes the treatment of forest land like that applied to any other sector. Indeed, the impact of any change in forest management occurred after the reference period, from 2010 till 2025, is going to be accounted in the period 2021-2025, similarly to all other sectors for which the impact of any change occurred since the base year is going to be accounted for. Thus, the choice of a different starting year would exclude from accounting the impact of changes occurred from the end of the reference period until the starting year of the projection.

4.1.3 Documentation and justification of assumption taken concerning the period 2010 -2025

For the period 2010-2025, the default assumption defined in the EU Regulation is the continuation of the current forest management practices occurred in the reference period 2000-2009.

Consistently:

- ✓ FMPs have been characterized by an FMP-specific annual harvesting ratio, i.e. amount of harvest (m^3) to aboveground biomass stock (t C), derived from data collected in the period 2000-2009 (section 3.2.2).
- ✓ Harvest quantities for the period 2010-2025 are calculated for each FMPs in each region/province multiplying the aboveground biomass (t C) of the year by the FMP-specific harvesting ratio (section 4.1.5).
- ✓ HWPs have been characterized by an HWP-specific annual inflow ratio, i.e. HWP inflow (t C) to amount of harvest in stands and plantation forests (m^3), derived from data collected in the period 2000-2009 (section 4.1.7).
- ✓ HWP inflows for the period 2010-2025 are calculated for each HWP at national level multiplying the total national amount of harvest in stands and plantation forest (t C) of the year by the HWP-specific inflow rate (section 4.1.7).
- ✓ Mortality rates applied in the period 2010-2025 are the same as those applied for the RP, 1.16% for evergreen forests and 1.17% for deciduous forests.

The treatment of disturbances deviates from such approach since actual data on the biomass losses caused by disturbances have been used from 2000 until the latest available year, i.e. 2016. Thereafter, from 2017 to 2025, the BL value (section 4.1.6) has been applied. Such deviation doesn't invalid the general approach since the BL has been estimated using the longer time series available, from 1990 to 2016, in order to have the highest accuracy possible; furthermore, because disturbances are driven by natural factors, their impact are not associated with specific forest management practices[33].

[33] In Italy any prescribed burning of forest is not allowed. Using fire in forests or close to forest is forbidden by law; exceptions are allowed under strict prescriptions and control.

4.1.3.1 Documentation and justification of assumptions taken on MFL area development, and demonstration that the area of strata didn't change since the starting year of the projections

The FRL assumes no area changes for the entire projection period -i.e. 2010-2025. The national area of each FMP across the entire projection period 2010-2025 and the year 2009 is reported in the following table 29.

FMPs			Forest land remaining Forest land – MFL area (kha)																
function	**structure**	**forest type**	**2009**	**2010**	**2011**	**2012**	**2013**	**2014**	**2015**	**2016**	**2017**	**2018**	**2019**	**2020**	**2021**	**2022**	**2023**	**2024**	**2025**
productive	stands	norway spruce	454	454	454	454	454	454	454	454	454	454	454	454	454	454	454	454	454
productive	stands	silver fir	77	77	77	77	77	77	77	77	77	77	77	77	77	77	77	77	77
productive	stands	larches	292	292	292	292	292	292	292	292	292	292	292	292	292	292	292	292	292
productive	stands	mountain pines	324	324	324	324	324	324	324	324	324	324	324	324	324	324	324	324	324
productive	stands	mediterranean pines	133	133	133	133	133	133	133	133	133	133	133	133	133	133	133	133	133
productive	stands	other conifers	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29
productive	stands	european beech	368	368	368	368	368	368	368	368	368	368	368	368	368	368	368	368	368
productive	stands	turkey oak	124	124	124	124	124	124	124	124	124	124	124	124	124	124	124	124	124
productive	stands	other oaks	227	227	227	227	227	227	227	227	227	227	227	227	227	227	227	227	227
productive	stands	other broadleaves	349	349	349	349	349	349	349	349	349	349	349	349	349	349	349	349	349
productive	coppices	european beech	497	497	497	497	497	497	497	497	497	497	497	497	497	497	497	497	497
productive	coppices	sweet chestnut	554	554	554	554	554	554	554	554	554	554	554	554	554	554	554	554	554
productive	coppices	hornbeams	467	467	467	467	467	467	467	467	467	467	467	467	467	467	467	467	467
productive	coppices	other oaks	844	844	844	844	844	844	844	844	844	844	844	844	844	844	844	844	844
productive	coppices	turkey oak	410	410	410	410	410	410	410	410	410	410	410	410	410	410	410	410	410
productive	coppices	evergreen oaks	224	224	224	224	224	224	224	224	224	224	224	224	224	224	224	224	224
productive	coppices	other broadleaves	941	941	941	941	941	941	941	941	941	941	941	941	941	941	941	941	941
productive	coppices	conifers	123	123	123	123	123	123	123	123	123	123	123	123	123	123	123	123	123
productive	plantation	eucalyptus coppices	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
productive	plantation	other broadleaves coppices	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3
productive	plantation	poplars stands	118	118	118	118	118	118	118	118	118	118	118	118	118	118	118	118	118
productive	plantation	other broadleaves stands	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13
productive	plantation	conifers stands	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9
productive	plantation	others	166	166	166	166	166	166	166	166	166	166	166	166	166	166	166	166	166
protective	other	rupicolous forest	614	614	614	614	614	614	614	614	614	614	614	614	614	614	614	614	614
protective	other	riparian forest	121	121	121	121	121	121	121	121	121	121	121	121	121	121	121	121	121
		total	**7,483**	**7,483**	**7,483**	**7,483**	**7,483**	**7,483**	**7,483**	**7,483**	**7,483**	**7,483**	**7,483**	**7,483**	**7,483**	**7,483**	**7,483**	**7,483**	**7,483**

Table 29 National area of each FMP 2009-2025

4.1.4 Documentation on Increment curves

Biomass increment curves applied to estimate the FRL are the same applied for the Italian national GHG inventory; detailed information are reported in section 3.1.3. The projection of biomass increment quantities for each FMP in each region/province for the period 2010-2025 has been carried out by applying the FMP-specific increment curve to the FMP-specific aboveground biomass stock (section 3.2.2). In the following table 30 the time series of national historical (2000-2009) and projected (2010-2025) quantities of aboveground biomass increment for each FMP, as aggregated at national level, is reported.

Biomass increment (kt C)														
function	**structure**	**forest type**	**2000**	**2001**	**2002**	**2003**	**2004**	**2005**	**2006**	**2007**	**2008**	**2009**	**2010**	**2011**	**2012**
productive	stands	norway spruce	637.2	641.8	646.5	651.1	656.0	660.7	665.4	666.8	667.8	669.0	670.4	670.7	671.1
productive	stands	silver fir	137.4	138.6	139.7	140.8	142.1	143.3	144.5	145.5	146.6	147.7	148.9	149.2	149.5
productive	stands	larches	411.7	414.9	417.8	420.8	424.0	427.5	431.1	433.3	435.4	437.9	440.4	442.0	443.5
productive	stands	mountain pines	951.5	965.4	979.5	992.2	1,006.5	1,020.3	1,033.8	1,045.9	1,057.8	1,071.6	1,085.7	1,095.2	1,103.4
productive	stands	mediterranean pines	513.2	518.8	524.8	529.8	535.0	539.7	544.3	548.1	552.7	557.5	561.8	561.7	560.5
productive	stands	other conifers	63.3	64.4	65.5	66.5	67.6	68.6	69.7	70.4	71.2	72.1	73.0	73.5	73.9
productive	stands	european beech	1,066.1	1,077.2	1,088.8	1,099.5	1,111.2	1,123.3	1,135.0	1,141.8	1,151.9	1,162.8	1,173.7	1,176.6	1,178.1
productive	stands	turkey oak	326.7	330.4	334.3	337.9	341.7	345.5	349.3	352.3	356.4	360.6	364.7	365.6	365.5
productive	stands	other oaks	474.5	480.0	485.8	490.7	495.9	500.7	505.4	510.4	515.4	519.6	523.5	522.5	521.1
productive	stands	other broadleaves	711.3	719.5	728.3	736.3	745.1	754.1	763.1	768.3	776.3	785.1	793.7	797.2	798.5
productive	coppices	european beech	937.1	948.1	960.1	971.3	982.8	994.8	1,006.5	1,013.6	1,022.4	1,033.2	1,043.3	1,048.2	1,052.0
productive	coppices	sweet chestnut	2,802.9	2,841.4	2,869.0	2,902.3	2,930.7	2,963.6	2,993.2	3,020.0	3,037.8	3,060.9	3,083.4	3,085.8	3,085.2
productive	coppices	hornbeams	437.8	443.0	447.4	452.3	457.0	461.6	466.0	469.4	471.9	474.1	476.5	475.0	473.6
productive	coppices	other oaks	1,201.3	1,205.9	1,210.2	1,220.4	1,229.0	1,238.1	1,246.7	1,262.6	1,270.3	1,275.5	1,283.0	1,276.2	1,275.4
productive	coppices	turkey oak	508.0	514.2	518.9	524.7	529.9	535.2	539.9	544.7	547.6	550.7	554.3	552.6	551.7
productive	coppices	evergreen oaks	364.9	368.1	371.5	374.4	377.4	380.6	383.9	386.1	388.7	391.4	394.2	394.5	394.5
productive	coppices	other broadleaves	2,702.8	2,715.6	2,726.9	2,734.7	2,740.4	2,743.3	2,743.8	2,733.2	2,720.4	2,705.5	2,689.4	2,650.2	2,611.7
productive	coppices	conifers	261.1	264.3	267.9	270.9	274.2	277.4	280.6	282.7	285.2	287.7	290.2	291.4	292.5
productive	plantation	eucaliptus coppices	3.5	3.4	3.3	3.2	3.1	3.0	2.9	3.2	3.1	3.0	2.9	2.7	2.9
productive	plantation	other broadleaves coppices	11.1	10.8	10.6	10.4	10.2	9.9	9.7	9.8	9.3	9.0	8.6	7.9	7.5
productive	plantation	poplars stands	571.0	552.9	539.5	524.9	509.7	491.6	477.6	445.1	419.2	391.9	370.3	340.9	317.0
productive	plantation	other broadleaves stands	23.7	23.9	24.3	24.5	24.9	25.2	25.6	25.7	26.1	26.3	26.5	26.6	26.7
productive	plantation	conifers stands	44.4	45.6	47.1	48.2	49.6	51.0	52.3	53.0	54.2	55.0	56.0	56.6	57.2
productive	plantation	others	903.5	910.9	917.8	925.0	931.5	937.5	942.3	947.1	949.4	953.0	953.5	948.6	942.9
protective	other	rupicolous forest	1,176.2	1,194.5	1,214.7	1,231.8	1,251.7	1,271.1	1,291.1	1,302.7	1,320.6	1,337.5	1,355.9	1,368.1	1,377.1
protective	other	riparian forest	285.4	287.9	290.4	292.8	295.4	298.0	300.6	302.3	304.0	305.8	307.6	308.4	309.2
		total	**17,527.7**	**17,681.3**	**17,830.3**	**17,977.3**	**18,122.7**	**18,265.5**	**18,404.2**	**18,483.9**	**18,561.5**	**18,644.5**	**18,731.3**	**18,688.0**	**18,642.3**

Biomass increment (kt C)														
function	**structure**	**forest type**	**2013**	**2014**	**2015**	**2016**	**2017**	**2018**	**2019**	**2020**	**2021**	**2022**	**2023**	**2024**	**2025**
productive	stands	norway spruce	671.4	671.8	672.1	672.4	672.7	673.0	673.3	673.6	673.9	674.1	674.4	674.6	674.9
productive	stands	silver fir	149.9	150.3	150.6	150.9	151.2	151.5	151.8	152.0	152.3	152.5	152.7	152.9	153.1
productive	stands	larches	445.0	446.6	448.0	449.3	450.7	452.1	453.3	454.6	455.8	457.0	458.1	459.2	460.2
productive	stands	mountain pines	1,113.2	1,122.7	1,132.2	1,141.3	1,150.4	1,159.4	1,168.3	1,177.0	1,185.7	1,194.2	1,202.6	1,210.9	1,219.1
productive	stands	mediterranean pines	560.2	559.4	558.7	557.5	556.4	555.2	553.9	552.5	551.1	549.6	548.0	546.4	544.8
productive	stands	other conifers	74.5	75.1	75.6	76.1	76.6	77.1	77.5	77.9	78.4	78.8	79.1	79.5	79.9
productive	stands	european beech	1,182.1	1,186.0	1,189.5	1,193.0	1,196.2	1,199.3	1,202.2	1,205.0	1,207.6	1,210.0	1,212.4	1,214.6	1,216.6
productive	stands	turkey oak	366.6	367.5	368.5	369.3	370.1	370.9	371.6	372.3	373.0	373.6	374.2	374.7	375.3
productive	stands	other oaks	519.3	517.1	515.1	512.4	509.9	507.2	504.4	501.5	498.4	495.3	492.2	488.9	485.7
productive	stands	other broadleaves	802.9	806.9	811.1	814.8	818.5	822.2	825.8	829.2	832.6	835.9	839.1	842.1	845.2
productive	coppices	european beech	1,057.3	1,062.3	1,066.4	1,070.2	1,074.0	1,077.3	1,080.0	1,082.2	1,083.9	1,085.1	1,085.9	1,086.2	1,085.9
productive	coppices	sweet chestnut	3,082.5	3,080.0	3,086.0	3,086.5	3,083.5	3,080.9	3,078.5	3,076.1	3,073.6	3,070.9	3,067.9	3,064.6	3,061.1
productive	coppices	hornbeams	472.0	470.4	469.2	467.9	466.5	465.2	463.9	462.7	461.5	460.4	459.3	458.3	457.3
productive	coppices	other oaks	1,267.2	1,260.7	1,254.9	1,250.8	1,244.8	1,239.2	1,234.0	1,229.2	1,224.7	1,220.5	1,216.7	1,213.2	1,209.9
productive	coppices	turkey oak	549.4	547.4	546.1	544.8	543.0	541.3	539.6	538.1	536.6	535.3	534.0	532.8	531.6
productive	coppices	evergreen oaks	394.9	395.2	395.4	395.6	395.8	396.1	396.3	396.5	396.7	396.9	397.0	397.2	397.3
productive	coppices	other broadleaves	2,571.0	2,529.8	2,492.1	2,454.2	2,416.6	2,380.2	2,345.3	2,311.7	2,279.8	2,249.5	2,220.9	2,194.0	2,168.7
productive	coppices	conifers	293.9	295.3	296.5	297.7	298.9	300.2	301.4	302.6	303.7	304.8	305.9	307.0	308.0
productive	plantation	eucaliptus coppices	2.6	2.5	2.3	2.3	2.2	2.1	2.0	1.9	1.8	1.8	1.8	1.8	1.7
productive	plantation	other broadleaves coppices	7.0	6.5	6.3	6.2	6.0	5.9	5.8	5.7	5.7	5.6	5.6	5.6	5.6
productive	plantation	poplars stands	297.1	280.4	266.3	254.4	244.4	236.0	228.9	223.0	218.1	214.0	210.6	207.8	205.4
productive	plantation	other broadleaves stands	26.8	26.9	27.1	27.2	27.3	27.5	27.6	27.8	27.9	28.1	28.2	28.3	28.5
productive	plantation	conifers stands	57.7	58.2	58.7	59.0	59.3	59.5	59.6	59.6	59.6	59.6	59.5	59.3	59.1
productive	plantation	others	936.6	929.7	922.6	915.9	908.7	901.5	894.4	887.2	880.1	873.1	866.2	859.3	852.6
protective	other	rupicolous forest	1,390.7	1,403.8	1,416.7	1,428.8	1,440.9	1,452.7	1,464.1	1,475.3	1,486.1	1,496.6	1,506.9	1,516.9	1,526.6
protective	other	riparian forest	310.1	311.0	311.8	312.7	313.5	314.2	315.0	315.7	316.4	317.1	317.8	318.5	319.1
		total	**18,602.1**	**18,563.4**	**18,539.6**	**18,511.2**	**18,478.4**	**18,447.6**	**18,418.6**	**18,391.1**	**18,365.1**	**18,340.3**	**18,316.9**	**18,294.5**	**18,273.1**

Table 30 Aboveground biomass increment for each FMP 2009-2025

4.1.5 Documentation on historical and future harvesting rates (timing and intensity) disaggregated between energy and non-energy uses

The Italian GHG inventory assumes that industrial roundwood is predominantly collected in forest land that have a "stands" structure while fuelwood is collected in forest land that have a "coppices" structure. Consequently, all C stock losses associated with harvesting of industrial roundwood are assigned at the "stands" FMPs and

all C stock losses associated with harvesting of fuelwood are assigned at the "coppices" FMPs (for the stratification of Italian forest land in FMPs see section 3.1.2). Considering that the harvesting ratio has been projected for each FMP (see section 3.2.2) as either the historical average, 2000-2009, or the latest year value, i.e. 2009, the ratio between material use and energy use has not been modified; although changes in the biomass stock to which the harvesting ratios are applied in the projected period may have slightly changed the proportion between the total amount of wood for material use and that one for energy use in the FRL.

Harvest statistics relative to plantation forests, a single item in ISTAT statistics, mix the two uses of wood. However, considering that no trend is projected in the harvesting ratios of plantation forests, the application of such constant rates does not project any changes in the use of wood during the projected period compared to the historical use occurred in the reference period. The projection of harvested quantities for each FMP in each region/province for the period 2010-2025 has been carried out by applying the FMP-specific harvesting ratios to the FMP-specific aboveground biomass stock (section 3.2.2). In protective forests, i.e. rupicolous and riparian forests, no harvest is allowed. In the table 31, the time series of national historical (2000-2009) and projected (2010-2025) quantities of harvest for each FMP, as aggregated at national level, is reported.

Harvest (m^3)														
function	**structure**	**forest type**	**2000**	**2001**	**2002**	**2003**	**2004**	**2005**	**2006**	**2007**	**2008**	**2009**	**2010**	**2011**	**2012**
productive	stands	norway spruce	1,362,443	1,241,754	1,213,711	1,381,228	1,142,402	1,327,140	1,457,124	1,399,288	1,956,763	1,480,615	1,431,383	1,430,391	1,428,918
productive	stands	silver fir	350,584	267,782	279,530	292,870	253,769	266,446	268,041	261,775	296,075	260,717	250,588	250,835	250,828
productive	stands	larches	707,226	549,201	572,533	604,723	539,832	539,077	574,012	539,087	654,583	526,100	502,094	503,353	504,421
productive	stands	mountain pines	774,067	683,940	702,085	786,726	718,837	734,792	810,473	773,510	1,015,330	818,651	817,572	832,417	845,130
productive	stands	mediterranean pines	205,607	188,075	197,028	268,238	224,559	243,658	283,019	284,298	345,294	311,384	347,086	352,631	355,818
productive	stands	other conifers	54,798	45,582	46,325	50,415	46,267	51,149	47,974	50,342	64,100	54,363	55,714	56,866	57,881
productive	stands	european beech	671,205	603,453	709,342	768,538	661,391	621,664	701,300	646,697	702,922	547,791	677,516	682,388	681,958
productive	stands	turkey oak	111,893	97,003	117,070	131,688	110,553	118,115	128,614	126,665	124,458	132,966	149,461	150,054	149,595
productive	stands	other oaks	146,543	121,874	129,611	142,998	136,181	139,868	136,275	135,447	159,369	144,123	151,645	153,613	154,707
productive	stands	other broadleaves	533,364	415,482	454,038	476,310	437,935	413,031	428,522	424,195	488,776	418,223	442,441	447,052	449,199
productive	coppices	european beech	1,045,675	993,257	891,466	948,210	1,055,363	960,276	976,993	902,788	917,612	791,353	922,870	924,869	926,429
productive	coppices	sweet chestnut	2,251,967	2,042,217	1,934,199	2,105,854	2,301,095	2,187,901	2,215,850	2,123,818	2,296,251	2,113,315	2,237,949	2,289,548	2,334,737
productive	coppices	hornbeams	647,513	619,904	533,194	602,796	622,887	608,068	595,646	588,743	590,241	554,786	581,162	581,874	582,107
productive	coppices	other oaks	1,235,801	1,187,625	1,131,972	1,446,035	1,493,405	1,386,344	1,364,796	1,487,834	1,385,805	1,296,158	1,375,564	1,385,894	1,394,501
productive	coppices	turkey oak	734,058	699,471	658,658	774,881	791,957	758,339	707,570	725,180	690,813	643,953	698,945	698,104	696,567
productive	coppices	evergreen oaks	344,519	316,215	279,644	372,192	380,330	344,405	336,570	343,557	345,366	308,761	328,023	328,306	327,905
productive	coppices	other broadleaves	1,902,794	1,796,760	1,652,973	1,853,026	1,983,501	1,940,920	1,958,635	1,976,384	2,132,755	1,965,458	2,033,771	2,057,636	2,078,681
productive	coppices	conifers	352,061	316,374	285,761	311,084	323,366	323,660	324,335	314,817	358,382	320,725	336,244	333,169	330,830
productive	plantation	eucalyptus coppices	3,468	2,260	2,418	1,458	2,132	1,083	1,127	1,610	508	354	151	152	153
productive	plantation	other broadleaves coppices	9,651	7,038	8,089	7,537	7,703	6,720	8,181	7,464	5,076	4,481	7,752	7,165	6,753
productive	plantation	poplars stands	1,121,048	746,052	775,075	674,313	716,495	649,023	791,395	692,108	587,128	271,352	342,533	347,298	351,891
productive	plantation	other broadleaves stands	22,322	16,775	18,930	17,899	18,106	15,286	18,078	14,887	11,491	10,319	24,275	21,183	18,920

productive	plantation	conifers stands	22,691	17,598	17,747	16,296	16,287	14,004	15,311	15,823	10,341	11,896	15,557	14,518	13,784
productive	plantation	others	740,244	536,155	614,735	569,565	587,832	501,626	598,881	567,341	373,582	322,739	567,984	519,918	484,599
protective	other	rupicolous forest	0	0	0	0	0	0	0	0	0	0	0	0	0
protective	other	riparian forest	0	0	0	0	0	0	0	0	0	0	0	0	0
		total	**15,351,540**	**13,511,846**	**13,226,133**	**14,604,878**	**14,572,184**	**14,152,595**	**14,748,721**	**14,403,658**	**15,513,020**	**13,310,583**	**14,298,276**	**14,369,235**	**14,426,312**

Harvest (m^3)

function	structure	forest type	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025
productive	stands	norway spruce	1,427,713	1,426,715	1,425,860	1,424,903	1,424,195	1,423,379	1,422,601	1,421,859	1,421,152	1,420,479	1,419,837	1,419,227	1,418,647
productive	stands	silver fir	250,811	251,054	251,345	251,557	251,850	252,113	252,380	252,652	252,928	253,208	253,490	253,776	254,063
productive	stands	larches	505,569	506,791	508,061	509,228	510,458	511,698	512,940	514,183	515,426	516,670	517,912	519,154	520,394
productive	stands	mountain pines	855,469	870,280	885,218	899,465	914,264	928,555	942,768	956,900	970,950	984,919	998,806	1,012,610	1,026,331
productive	stands	mediterranean pines	357,570	363,103	369,515	374,845	380,648	385,729	390,614	395,310	399,821	404,152	408,309	412,297	416,120
productive	stands	other conifers	58,797	59,926	61,064	62,144	63,250	64,319	65,373	66,413	67,438	68,448	69,442	70,422	71,387
productive	stands	european beech	679,146	685,063	691,137	696,316	702,050	707,453	712,770	718,003	723,152	728,218	733,202	738,103	742,924
productive	stands	turkey oak	148,493	149,429	150,691	151,697	152,847	153,838	154,803	155,744	156,661	157,554	158,425	159,273	160,101
productive	stands	other oaks	154,886	156,909	158,991	160,876	162,772	164,529	166,215	167,832	169,380	170,862	172,279	173,633	174,927
productive	stands	other broadleaves	449,661	454,589	460,106	464,907	470,156	474,970	479,714	484,387	488,991	493,526	497,993	502,392	506,725
productive	coppices	european beech	925,546	930,609	935,741	939,733	943,911	949,884	956,055	962,372	968,794	975,283	981,806	988,337	994,850
productive	coppices	sweet chestnut	2,374,536	2,424,293	2,472,523	2,511,386	2,551,635	2,595,092	2,637,346	2,678,476	2,718,544	2,757,596	2,795,670	2,832,795	2,868,995
productive	coppices	hornbeams	582,261	584,398	586,818	587,852	589,588	591,945	594,299	596,632	598,927	601,175	603,366	605,494	607,556
productive	coppices	other oaks	1,398,209	1,410,193	1,421,116	1,429,540	1,437,500	1,447,028	1,456,123	1,464,791	1,473,044	1,480,893	1,488,356	1,495,449	1,502,191
productive	coppices	turkey oak	693,470	694,468	695,365	694,747	694,627	695,744	696,916	698,125	699,358	700,602	701,849	703,091	704,322
productive	coppices	evergreen oaks	325,983	327,426	328,709	329,242	329,570	330,907	332,280	333,677	335,094	336,522	337,957	339,393	340,827
productive	coppices	other broadleaves	2,096,777	2,121,171	2,145,406	2,163,609	2,182,639	2,203,036	2,222,454	2,240,863	2,258,254	2,274,631	2,290,009	2,304,412	2,317,873
productive	coppices	conifers	328,829	328,585	329,110	329,566	330,569	332,251	334,239	336,481	338,933	341,559	344,327	347,210	350,186
productive	plantation	eucalyptus coppices	154	155	155	156	156	156	156	156	156	156	156	156	156
productive	plantation	other broadleaves coppices	6,295	6,119	5,951	5,820	5,690	5,621	5,565	5,521	5,485	5,457	5,435	5,417	5,403
productive	plantation	poplars stands	356,034	359,677	362,837	365,555	367,880	369,859	371,539	372,961	374,163	375,176	376,030	376,749	377,353
productive	plantation	other broadleaves stands	16,768	15,740	14,889	14,347	13,885	13,597	13,401	13,272	13,196	13,160	13,154	13,172	13,207
productive	plantation	conifers stands	13,111	12,897	12,769	12,771	12,796	12,907	13,056	13,233	13,431	13,645	13,870	14,102	14,339
productive	plantation	others	450,470	436,840	425,778	419,494	414,076	411,568	410,360	410,123	410,614	411,651	413,095	414,839	416,804
protective	other	rupicolous forest	0	0	0	0	0	0	0	0	0	0	0	0	0
protective	other	riparian forest	0	0	0	0	0	0	0	0	0	0	0	0	0
		total	**14,456,562**	**14,576,430**	**14,699,156**	**14,799,756**	**14,907,011**	**15,026,179**	**15,143,967**	**15,259,967**	**15,373,893**	**15,485,542**	**15,594,775**	**15,701,505**	**15,805,680**

Table 31 National historical (2000-2009) and projected (2010-2025) quantities of harvest for each FMP

In appendix III, time series of harvest quantities are reported for each FMP stratified at regional/provincial level.

4.1.6 Documentation on Treatment of disturbances

In Italy, so far the only significant disturbance is forest fire. Fires have a significant impact on the inter-annual variability of emissions and removals in the LULUCF sector as showed in figure 9.

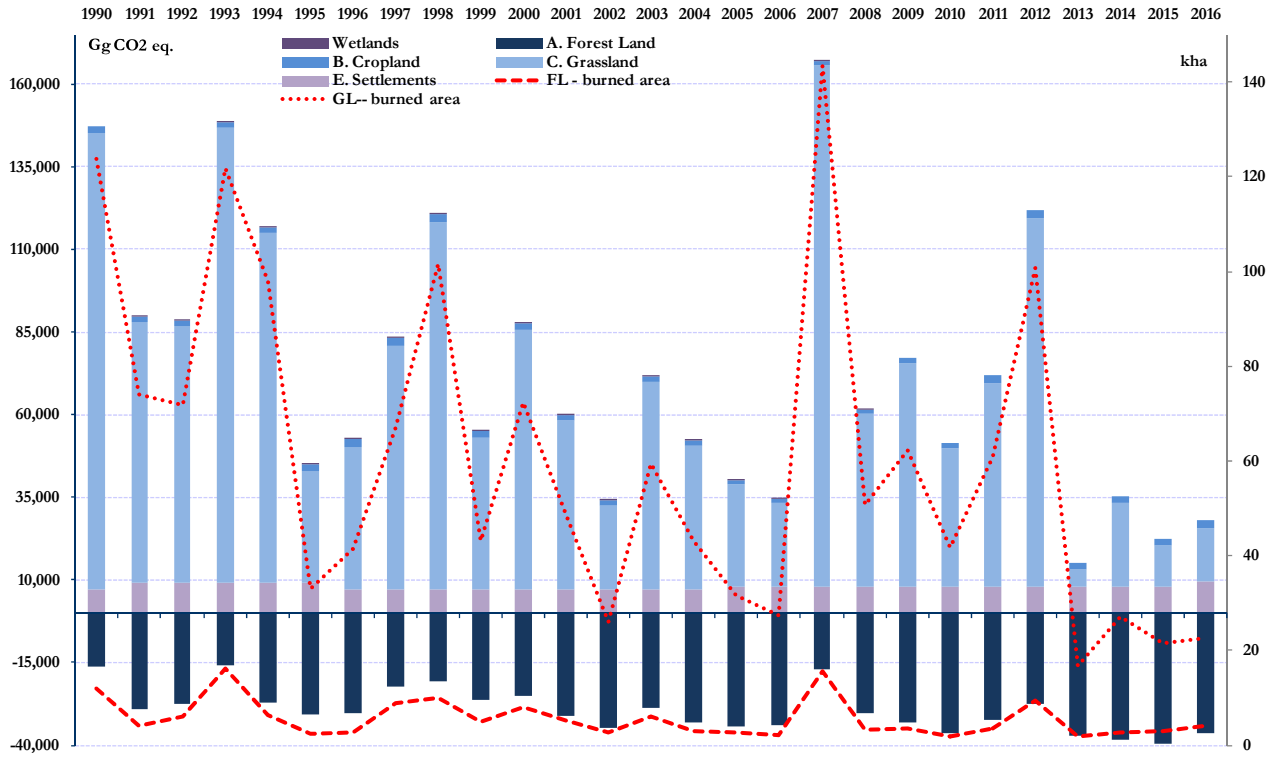


Figure 9 GHG emission/removal from the LULUCF 1990-2016

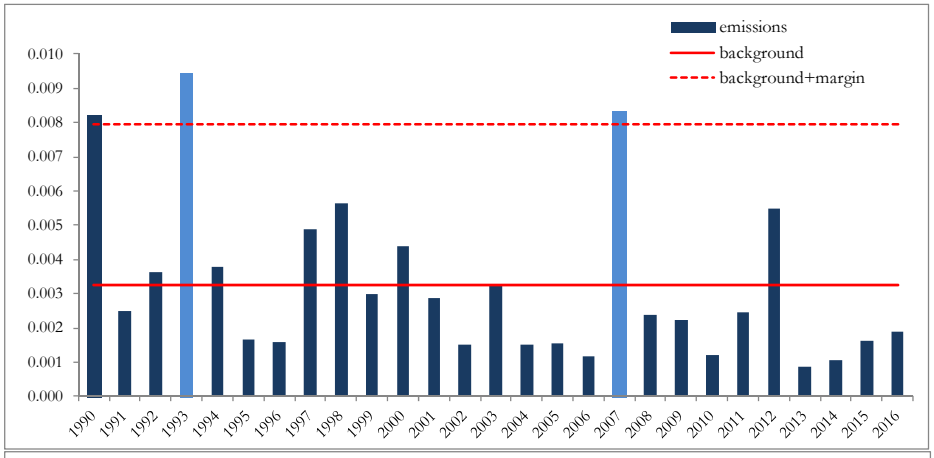
On this basis, consistently with article 10 of the EU regulation 2018/841 and its annex VI, a background level of GHG emissions associated with forest fires has been calculated from the time series 1990-2016 (0.199 Gg CO_2 eq.) to be applied for all the years for which actual data are not available i.e. 2017-2025 (figure 10).

Total and area specific emissions from disturbances for the calibration period for MFL																											
Distrubance type	Inventory year during the calibration period																										
	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016
	Total annual emission [Gg CO_2 eq.]																										
Wildfires	6,003	2,017	2,993	7,906	3,031	1,210	1,274	4,185	4,726	2,373	3,744	2,379	1,274	2,739	1,322	1,262	986	7,118	1,435	1,626	818	1,599	4,389	842	1,272	1,349	1,984
Insect attacks and disease infestations	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
extreme weather events	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
geological disturbances	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
other	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SUM	6,003	2,017	2,993	7,906	3,031	1,210	1,274	4,185	4,726	2,373	3,744	2,379	1,274	2,739	1,322	1,262	986	7,118	1,435	1,626	818	1,599	4,389	842	1,272	1,349	1,984
MFL (FLrFL)	Total area [kha]																										
	7,590	7,668	7,746	7,824	7,902	7,980	8,058	8,136	8,213	8,291	8,369	8,447	8,525	8,603	8,681	8,759	8,814	8,868	8,923	8,978	9,032	9,087	9,142	9,196	9,251	9,305	9,360
	Area-specific emissions (Emissions per unit of MFL area, Mg CO_2 eq. ha^{-1})																										
	0.791	0.263	0.386	1.011	0.384	0.152	0.158	0.514	0.575	0.286	0.447	0.282	0.149	0.318	0.152	0.144	0.112	0.803	0.161	0.181	0.091	0.176	0.480	0.092	0.137	0.145	0.212

Figure 10 Background level of GHG emissions associated with forest fires

However, the *for-est* model uses as input data the burned area as well as information on the level of biomass losses associated with each fire. For such reason a per hectare background area burnt value has been calculated (0.002086, burned area per unit of FL area) with the same time series and modalities applied for calculating the background level of GHG emissions.

Note that both values have been calculated as a per hectare rate in order to remove the impact of the MFL area increase, across the time series 1990-2016, as well as the constrain associated with the projection in the FRL of a constant area from the year 2010 onward. Consequently, the burned area applied in the years 2017-2025 to calculate the FRL is the area BL rate, i.e. 0.002086, multiplied by the MFL area in the year 2009.


emissions
background
background+margin
0.010
0.009
0.008
0.007
0.006
0.005
0.004
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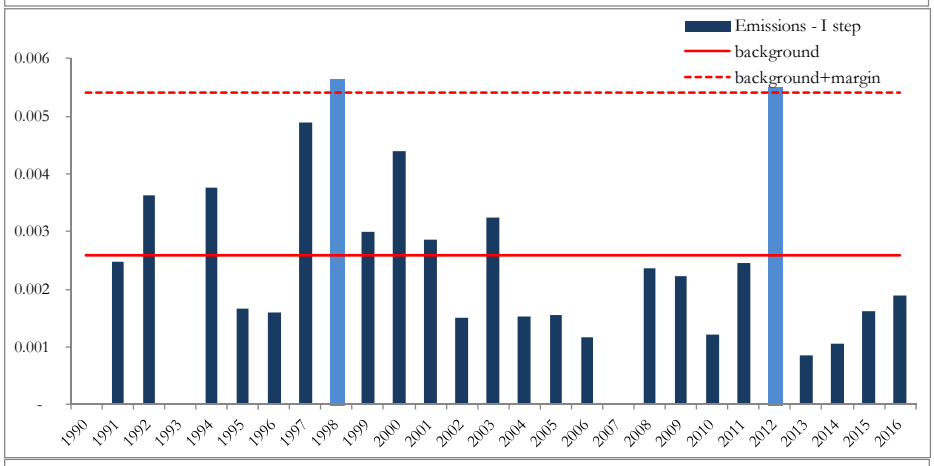
0.000
1990 1991 1992 1993 1994 1995 1996 1997 1998 1999 2000 2001 2002 2003 2004 2005 2006 2007 2008 2009 2010 2011 2012 2013 2014 2015 2016


Emissions - I step
background
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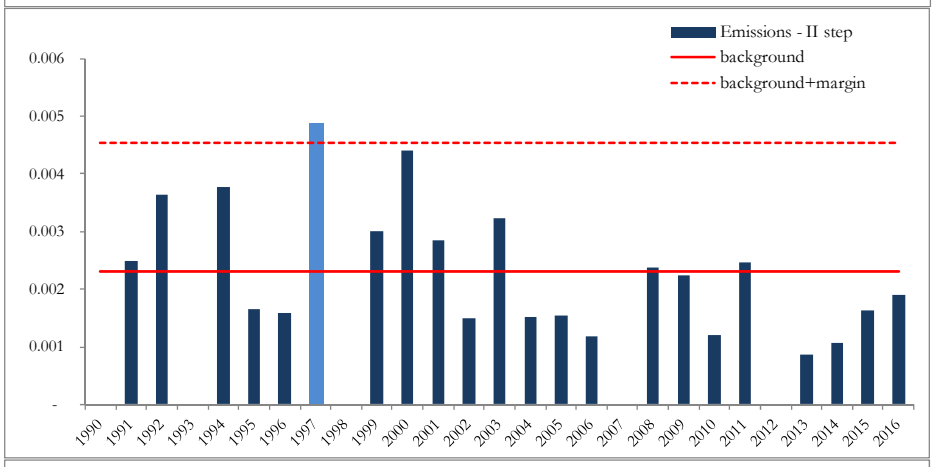
1990 1991 1992 1993 1994 1995 1996 1997 1998 1999 2000 2001 2002 2003 2004 2005 2006 2007 2008 2009 2010 2011 2012 2013 2014 2015 2016


Emissions - II step
background
background+margin
0.006
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0.002
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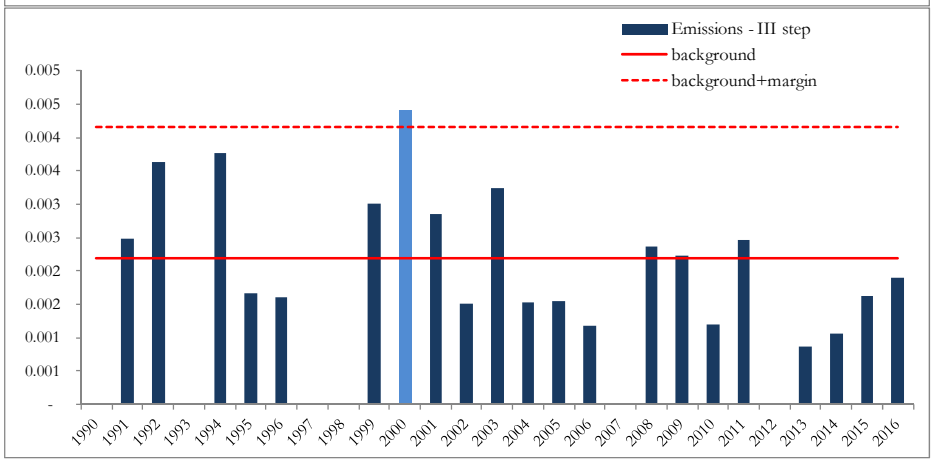
1990 1991 1992 1993 1994 1995 1996 1997 1998 1999 2000 2001 2002 2003 2004 2005 2006 2007 2008 2009 2010 2011 2012 2013 2014 2015 2016


Emissions - III step
background
background+margin
0.005
0.005
0.004
0.004
0.003
0.003
0.002
0.002
0.001
0.001
-
1990 1991 1992 1993 1994 1995 1996 1997 1998 1999 2000 2001 2002 2003 2004 2005 2006 2007 2008 2009 2010 2011 2012 2013 2014 2015 2016

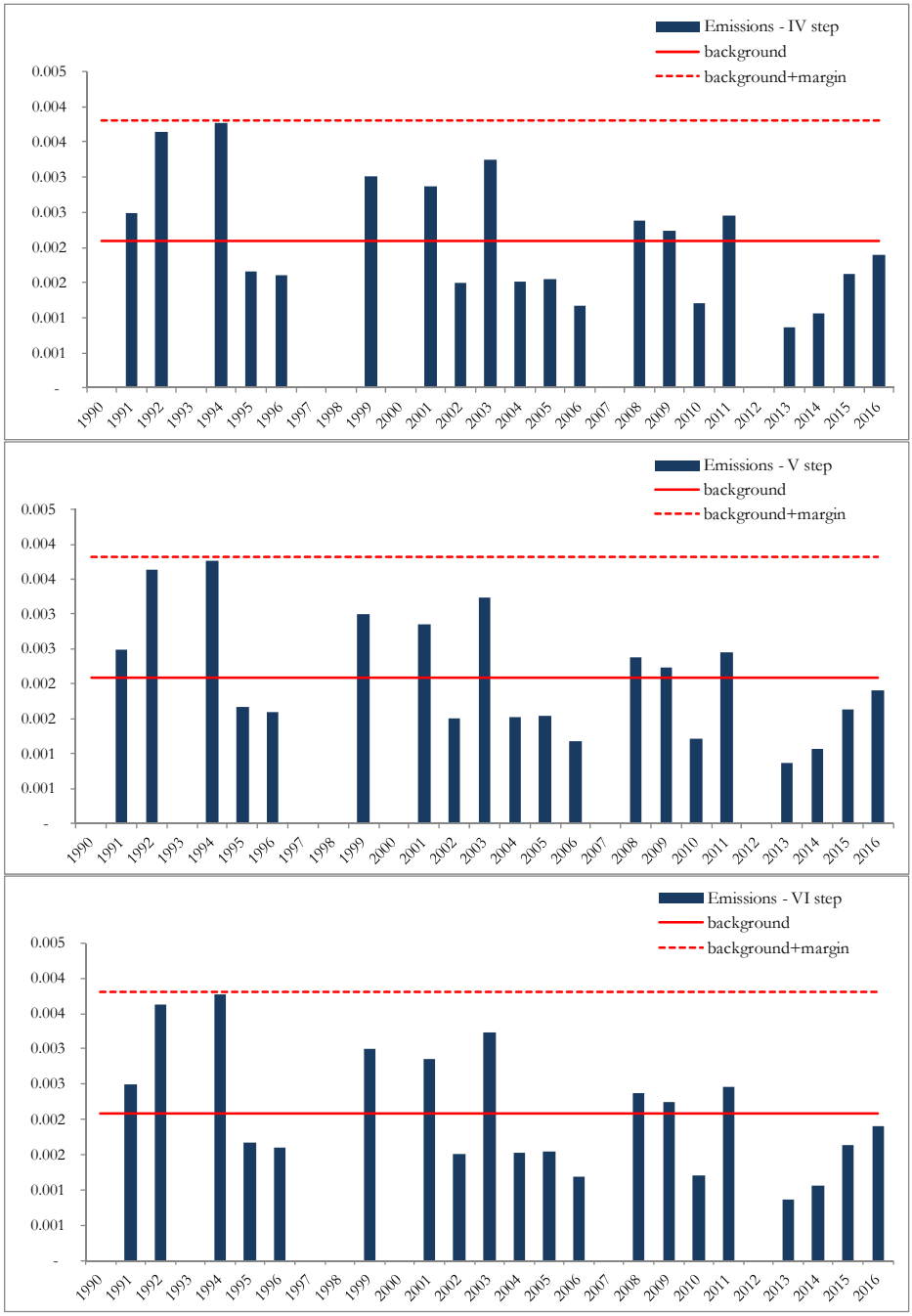


Figure 11 Composition of subsequent steps in the elaboration of the background level

	start	I step	II step	III step	IV step	V step	VI step
background level	0.003261	0.002589	0.002319	0.002197	0.002086	0.002086	**0.002086**
standard deviation	0.002354	0.001405	0.001116	0.000982	0.000864	0.000864	**0.000864**
margin	0.004708	0.002810	0.002233	0.001964	0.001728	0.001728	**0.001728**
background+margin	0.007969	0.005398	0.004552	0.004161	0.003815	0.003815	**0.003815**

Table 32 Background level, margin and stardard deviation for the different steps

	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016
Emissions - I step		0.002	0.004		0.004	0.002	0.002	0.005	0.006	0.003	0.004	0.003	0.002	0.003	0.002	0.002	0.001		0.002	0.002	0.001	0.002	0.005	0.001	0.001	0.002	0.002
Emissions - II step		0.002	0.004		0.004	0.002	0.002	0.005		0.003	0.004	0.003	0.002	0.003	0.002	0.002	0.001		0.002	0.002	0.001	0.002		0.001	0.001	0.002	0.002
Emissions - III step		0.002	0.004		0.004	0.002	0.002			0.003	0.004	0.003	0.002	0.003	0.002	0.002	0.001		0.002	0.002	0.001	0.002		0.001	0.001	0.002	0.002
Emissions - IV step		0.002	0.004		0.004	0.002	0.002			0.003		0.003	0.002	0.003	0.002	0.002	0.001		0.002	0.002	0.001	0.002		0.001	0.001	0.002	0.002
Emissions - V step		0.002	0.004		0.004	0.002	0.002			0.003		0.003	0.002	0.003	0.002	0.002	0.001		0.002	0.002	0.001	0.002		0.001	0.001	0.002	0.002
Emissions - VI step		0.002	0.004		0.004	0.002	0.002			0.003		0.003	0.002	0.003	0.002	0.002	0.001		0.002	0.002	0.001	0.002		0.001	0.001	0.002	0.002
Emissions - VII step		0.002	0.004		0.004	0.002	0.002			0.003		0.003	0.002	0.003	0.002	0.002	0.001		0.002	0.002	0.001	0.002		0.001	0.001	0.002	0.002

Table 33 Area-specific burnt (burned area per unit of FL area, adimensional) for the different steps

The *for-est* model calculates the entire biomass stock (above and belowground) on the burnt area as lost in the year in which the fire occurs. Non-CO_2 gases are estimated separately from the above-ground biomass loss calculated by the *for-est* model (section 3.3). From the aboveground biomass loss the amount of C directly oxidized during the fire event is estimated using oxidation factors specific of the fire events. CH_4 and N_2O emissions are inferred from the amount of C oxidized during the fire events. To project non-CO_2 emissions in the period 2017-2025 an oxidation rate (t C ha^{-1}) has been calculated as the average oxidation rate observed in the period 1990-2016. The oxidation rate is applied to the area BL rate to derive the total C released in the year by forest fires and consequently to estimate the non-CO_2 emissions.

Italy is aware that according to article 10 of the EU regulation 2018/841 the BL has to be calculated from the time series 2000-2020. For such reason, Italy anticipates that in the accounting year, when reporting for the last year, i.e. 2025, of the first accounting period, a technical correction of the FRL will be applied taking into account the recalculated BL for the years 2021-2025 and the actual GHG emissions occurred in the years 2017-2020.

4.1.7 Documentation on Method applied to the HWP pool

The HWP contribution is estimated using the Production Approach consistently with article 9 of the EU Regulation 2018/841 and its Annex V and according to guidance provided in the 2013 KP Supplement (IPCC, 2014). Historical data for the period 1960-2009 are those used for the Italian GHG inventory. To project the HWP contribution for the period 2010-2025, the following method has been applied:

- ✓ for each HWP category, i.e. Sawnwood, Wood panels, Paper & paperboard, an average ratio between HWP-inflow (t C) and annual harvest (m^3) in stands and plantation forests for the reference period has been calculated;
- ✓ for the period 2010-2017, for each HWP category, the HWP-inflow ratio (t C m^{-3}) has been multiplied by the annual harvest (m^3) of industrial roundwood (i.e. harvest collected in stands and plantation forests) to calculate the annual C inflow.

Table 34 below reports the time series, one for each HWP category, of HWP-inflow ratios for the period 2000-2009 as well as the associated average value; in the table 35 the time series, one for each HWP category, of HWP contribution for the period 2010-2025 is shown.

	Sawnwood - HWPj	**wood panels - HWPj**	***Paper & Paperboard - HWPj***	**Harvest (stands & plantations)**
	m^3	m^3	t	m^3
2000	626,591	2,085,432	400,856	6,837,154
2001	575,347	1,966,249	337,774	5,540,024
2002	573,100	1,996,030	390,200	5,858,267
2003	601,209	2,011,970	442,980	6,190,802
2004	605,408	2,171,038	453,124	5,620,280
2005	615,434	2,144,729	439,192	5,642,683
2006	700,245	2,299,431	454,394	6,268,328
2007	695,204	2,331,386	479,198	5,940,537
2008	636,378	2,361,587	526,238	6,795,796
2009	609,833	2,076,432	436,790	5,316,073
average	**623,875**	**2,144,428**	**436,075**	**6,000,994**
rate	**0.103961897**	**0.357345512**	**0.072667065**	

Table 34 HWP-inflow ratios for the period 2000-2009 and the associated average value

	Sawnwood -HWPj kt C	wood based panels - HWPj kt C	paper & paperboard -HWPj kt C
2009	139.7	558.56	168.6
2010	137.7	555.97	162.2
2011	137.4	554.63	161.8
2012	137.0	553.16	161.4
2013	136.4	550.89	160.8
2014	137.0	553.23	161.4
2015	137.7	556.03	162.2
2016	138.4	558.88	163.1
2017	139.2	562.05	164.0
2018	140.0	565.25	164.9
2019	140.8	568.51	165.9
2020	141.6	571.81	166.9
2021	142.4	575.12	167.8
2022	143.3	578.42	168.8
2023	144.1	581.70	169.7
2024	144.9	584.96	170.7
2025	145.7	588.18	171.6

Table 35 HWP contribution for the period 2010-2025

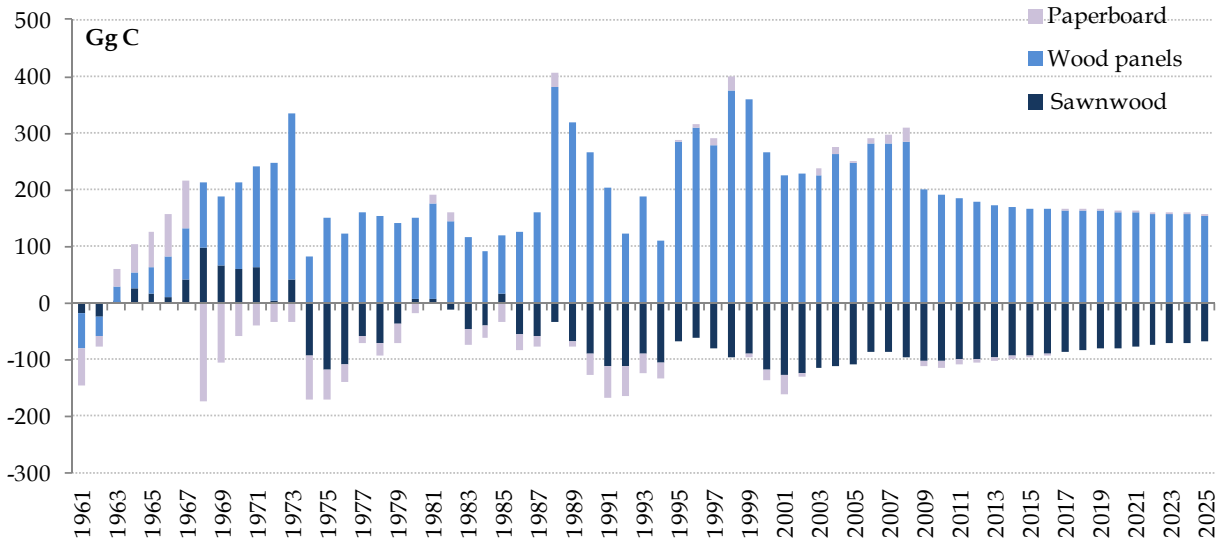


Figure 12 C stock changes for HWP categories (Sawnwood, Wood panels, Paper & paperboard) – 1961-2025

Table 36 below reports the time series of the production, import and export, for the HWP categories, for the period 1961-2009.

	Production			Import			Export		
	t	*m3*	*m3*	*t*	*m3*	*m3*	*t*	*m3*	*t*
	Paper and Paperboard	*Sawnwood*	*Wood-Based Panels*	*Paper and Paperboard*	*Sawnwood*	*Wood-Based Panels*	*Paper and Paperboard*	*Sawnwood*	*Wood Pulp*
1961	1,599,600	1,971,000	323,000	239,500	2,847,100	25,400	36,100	9,600	28,200
1962	1,761,700	1,934,000	505,000	238,700	3,124,000	29,700	26,400	8,600	33,600
1963	1,926,400	2,016,000	859,000	288,600	3,568,900	43,200	20,700	6,800	*34,400*
1964	2,045,800	2,108,000	828,000	260,900	3,158,000	28,900	51,700	13,800	*55,400*
1965	2,208,000	2,045,000	928,000	259,800	2,920,800	22,500	183,300	25,400	*186,200*
1966	2,524,000	1,869,000	995,000	259,000	3,290,800	36,304	186,900	23,000	219,435
1967	2,851,000	2,145,000	1,165,000	282,900	3,683,600	47,968	197,000	21,500	231,270
1968	3,052,000	2,566,000	1,335,000	334,900	3,949,600	54,784	230,800	21,200	258,354
1969	3,461,000	2,500,000	1,485,000	406,700	4,223,800	68,533	293,200	29,000	288,365
1970	3,549,000	2,411,000	1,640,000	420,200	4,025,100	90,313	320,200	56,800	193,924
1971	3,288,000	2,555,000	1,910,000	467,700	3,760,100	88,939	325,000	31,300	198,233
1972	3,723,000	2,288,000	2,530,000	501,700	4,232,600	238,329	356,400	50,600	220,848
1973	4,100,000	2,700,000	3,050,000	598,800	5,045,500	322,818	336,000	51,500	194,506
1974	4,200,000	2,143,000	2,130,000	675,100	4,068,600	491,884	429,600	69,300	166,829
1975	3,496,000	1,687,000	2,522,000	320,000	3,801,900	199,396	372,500	48,700	163,908
1976	4,499,000	2,006,000	2,697,000	424,000	4,678,700	415,500	441,400	47,100	159,879
1977	4,288,000	2,266,000	2,730,000	448,100	4,599,600	368,800	444,700	45,000	164,000
1978	4,616,000	2,045,000	2,605,000	570,200	4,726,700	333,500	554,300	98,000	201,400
1979	4,756,800	2,345,000	2,531,000	757,600	5,724,000	610,700	620,000	143,600	221,900
1980	4,934,000	2,721,000	2,550,000	860,700	5,773,500	791,000	500,700	82,000	163,600
1981	4,855,000	2,600,000	2,670,000	815,600	5,005,600	683,000	618,500	78,700	177,300
1982	4,503,000	2,330,000	2,392,000	859,100	4,893,300	535,100	449,400	54,400	145,800
1983	4,259,000	2,025,000	2,208,000	1,208,700	4,701,100	552,000	582,600	83,000	178,000
1984	4,722,000	2,234,000	2,205,000	1,407,400	5,187,100	591,000	791,000	113,600	198,000
1985	4,587,000	2,599,000	2,223,000	1,422,000	4,909,000	670,000	768,000	107,000	207,000
1986	4,631,000	1,919,000	2,310,000	1,591,000	4,740,000	650,000	822,000	117,000	223,000
1987	4,882,000	1,905,000	2,637,000	1,884,000	5,305,000	752,000	879,000	111,000	263,000
1988	5,512,000	2,095,000	4,295,000	2,037,000	5,768,000	713,000	1,152,000	86,000	323,000
1989	5,640,000	1,998,000	4,337,000	2,319,000	5,978,000	894,000	1,199,000	92,000	438,000
1990	5,732,000	1,950,000	4,357,000	2,454,000	5,999,000	909,000	1,111,000	63,500	374,000
1991	5,795,000	1,850,000	4,166,000	2,522,000	6,054,000	873,000	1,168,000	56,000	366,000
1992	6,040,000	1,823,000	3,425,000	2,970,210	6,443,592	1,028,818	1,239,316	52,000	375,624
1993	6,019,000	1,700,000	3,420,000	2,989,166	5,975,266	917,259	1,455,052	91,000	585,334
1994	6,705,000	1,808,000	3,351,000	3,495,000	6,578,000	971,000	1,639,000	109,000	679,000
1995	6,810,000	1,850,000	4,183,000	3,218,000	6,406,000	1,128,000	1,707,000	130,000	611,000
1996	6,954,000	1,650,000	3,907,000	3,023,000	5,527,000	1,106,000	1,790,000	99,000	660,000
1997	8,032,000	1,751,000	4,364,000	3,564,000	6,905,000	1,409,000	2,007,000	140,000	880,000
1998	8,253,900	1,600,000	5,320,000	3,386,000	7,295,000	1,539,000	2,047,000	174,000	851,000
1999	8,568,000	1,630,000	5,230,000	4,028,000	7,605,000	1,447,000	2,057,000	212,000	875,000
2000	9,129,317	1,630,000	5,425,000	4,385,000	8,380,000	1,729,000	2,241,000	208,000	1,121,000
2001	8,926,000	1,600,000	5,468,000	4,157,000	7,785,000	1,773,000	2,099,999	197,000	991,000
2002	9,317,261	1,605,000	5,590,000	4,663,736	7,935,707	2,122,789	2,345,001	195,553	1,405,165
2003	9,491,000	1,590,000	5,321,000	4,677,297	7,424,095	2,035,203	2,369,113	150,937	995,800
2004	9,667,000	1,580,000	5,666,000	4,893,375	7,660,755	2,161,165	2,673,632	156,884	1,130,391
2005	9,999,371	1,590,000	5,541,000	4,382,798	7,727,326	2,092,147	2,749,816	160,898	872,409
2006	10,008,360	1,748,000	5,740,000	5,176,460	7,862,757	2,000,501	3,491,234	168,608	1,129,191
2007	10,112,031	1,700,000	5,701,000	5,315,970	8,031,000	2,945,000	3,514,132	435,120	1,523,817
2008	9,467,019	1,384,000	5,136,000	5,048,056	6,733,000	2,287,000	3,388,824	242,951	997,299
2009	8,404,170	1,220,000	4,154,000	4,605,461	5,567,000	1,924,000	3,150,278	194,361	797,839

Table 36 HWP production, import and export for the period 1961-2009

4.1.8 Demonstration that trends in the MFL observed in the RP have not been projected in the FRL

No trends have been projected in any of the variables applied to estimates C stock changes and associated emissions and removals in MFL.

In particular, in the FRL projection:

- ✓ Biomass mortality rates applied are the same applied to the RP estimates, and constant across time.
- ✓ Biomass increment curves are the same applied to the RP estimates.
- ✓ Each harvest rate applied to each FMP is either the average value observed in the RP or the 2009 value, in both case for each FMP a single and constant harvesting ratio has been applied for the entire projection period i.e. 2010-2025.
- ✓ Each inflow rate applied to each HWP is the average value observed in the RP and for each HWP a single and constant inflow rate has been applied for the entire projection period i.e. 2010-2025.
- ✓ A single background level of emissions from forest fires has been applied for the period 2017-2025, so no trend has been caused, while for the period 2010-2016 actual information on forest fires has been applied.

4.1.9 Documentation on how climate variability has been treated in the FRL

Climate variability has not been taken into consideration in the projection of the FRL. Biomass increment curves, mortality rates and disturbance rates don't vary with variability of climate.

4.1.9.1 Documentation on the impact on the FRL of projected future climate conditions against those actual

Not applicable.

4.2 Consistency between the FRL and the latest NIR

Information reported for the FRL are fully consistent with those reported for forest land remaining forest land in the 2018 NIR (ISPRA, 2018).

4.2.1 Documentation on consistency between GHG estimates reported in the NIR and those modelled from the year 2000 until the starting year of the projection of the FRL

Because same model and same input data have been applied to estimates emissions and removals from MFL in the reference period of the FRL estimation and for the estimation of emissions and removals in the category forest land remaining forest land of the Italian national GHG inventory, the two set of estimates for the year 2000-2009 are by consequence identical (table 37).

	National GHG Inventory 2018									
Gg CO_2 eq.	**2000**	**2001**	**2002**	**2003**	**2004**	**2005**	**2006**	**2007**	**2008**	**2009**
CO_2 (Living biomass pool)	-20,615.5	-25,373.2	-28,068.4	-22,886.2	-26,230.8	-26,737.6	-26,925.4	-14,372.0	-24,272.8	-26,580.9
CO_2 (dead mass and litter pools)	-1,012.6	-1,005.2	-997.9	-990.7	-983.7	-976.4	-631.3	-633.8	-636.4	-638.9
CO_2 (HWP_FOD)	-476.1	-244.6	-357.5	-453.1	-596.0	-531.0	-748.8	-775.0	-774.9	-320.2
CH_4	449.1	285.3	152.8	328.5	158.6	151.4	118.3	853.8	172.2	195.0
N_2O	1.7	1.1	0.6	1.2	0.6	0.6	0.4	3.2	0.6	0.7
Total CO_2 eq. (HWP_FOD)	**-21,653.4**	**-26,336.6**	**-29,270.4**	**-24,000.3**	**-27,651.3**	**-28,093.1**	**-28,186.7**	**-14,923.9**	**-25,511.4**	**-27,344.4**
Total CO_2 eq.(HWP_IO)	-21,177.3	-26,092.0	-28,912.9	-23,547.2	-27,055.4	-27,562.1	-27,437.8	-14,148.9	-24,736.4	-27,024.1
	FRL									
Gg CO_2 eq.										

CO_2 (Living biomass pool)	-20,615.5	-25,373.2	-28,068.4	-22,886.2	-26,230.8	-26,737.6	-26,925.4	-14,372.0	-24,272.8	-26,580.9
CO_2 (dead mass and litter pools)	-1,012.6	-1,005.2	-997.9	-990.7	-983.7	-976.4	-631.3	-633.8	-636.4	-638.9
CO_2 (HWP_FOD)	-476.1	-244.6	-357.5	-453.1	-596.0	-531.0	-748.8	-775.0	-774.9	-320.2
CH_4	449.1	285.3	152.8	328.5	158.6	151.4	118.3	853.8	172.2	195.0
N_2O	1.7	1.1	0.6	1.2	0.6	0.6	0.4	3.2	0.6	0.7
Total CO_2 eq. (HWP_FOD)	**-21,653.4**	**-26,336.6**	**-29,270.4**	**-24,000.3**	**-27,651.3**	**-28,093.1**	**-28,186.7**	**-14,923.9**	**-25,511.4**	**-27,344.4**
Total CO_2 eq.(HWP_IO)	-21,177.3	-26,092.0	-28,912.9	-23,547.2	-27,055.4	-27,562.1	-27,437.8	-14,148.9	-24,736.4	-27,024.1

Table 37 CO_2 eq. emissions and removals reported in 2018 GHG Inventory and FRL

4.3 Calculated C pools and GHG for the FRL: the 5-year average of projected values for the periods 2021-2025

Pools included are the aboveground and belowground biomass pools. GHG included are all those reported in the LULUCF sector, namely carbon dioxide, methane and nitrous oxide. Table 38 reports the annual values and the calculated average FRL equal to **-19,656.1** kt CO_2 eq. yr^{-1}.

Gg CO_2 eq.	**2021**	**2022**	**2023**	**2024**	**2025**	**average**
CO_2 (Living biomass pool)	-20,525.7	-19,985.7	-19,460.9	-18,950.9	-18,454.8	-19,475.6
CO_2 (dead mass and litter pools)	0.0	0.0	0.0	0.0	0.0	0.0
CO_2 (HWP_FOD)	-311.2	-316.3	-321.0	-325.4	-329.6	-320.7
CH_4	139.7	139.7	139.7	139.7	139.7	139.7
N_2O	0.5	0.5	0.5	0.5	0.5	0.5
Total CO_2 eq. (HWP_FOD)	**-20,696.7**	**-20,161.8**	**-19,641.8**	**-19,136.2**	**-18,644.2**	**-19,656.1**
Total CO_2 eq.(HWP_IO)	-20,385.5	-19,845.5	-19,320.8	-18,810.7	-18,314.7	-19,335.4

Table 38 CO_2 eq. emissions and removals reported in 2018 GHG Inventory and FRL

4.3.1 Documentation on technical correction applied and justification of its application as well as on the recalibration of the model (to show consistency among FRL_{corr} and NIR estimates)

No technical correction to the FRL is applied in this Plan, future technical corrections will be documented in the annual report, if any.

4.3.1.1 Documentation on differences in increment curves applied to FRL and those recalculated in consequence of actual measurements during the accounting period (AP); a revision of increment functions

Biomass increment curves in forest land applied for the projection of the FRL are the same as applied for the national GHG inventory; consequently, no there are not differences.

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Appendix A

This appendix contains the parameters of the aboveground biomass increment curves applied for each forest type in each region.

Abruzzo					
inventory	**typology**	**a**	**υ**	**k**	**y0**
stands	norway spruce	978.65	- 0.28	0.01	0.06
	silver fir	1,413.99	- 0.37	0.02	0.46
	larches	-	-	-	-
	mountain pines	983.26	- 0.38	0.03	0.30
	mediterranean pines	544.15	- 0.18	0.04	0.94
	other conifers	1,564.83	- 0.41	0.01	0.15
	european beech	854.61	0.00	0.02	0.28
	turkey oak	576.32	- 0.35	0.01	0.94
	other oaks	185.51	1.30	0.08	1.62
	other broadleaves	1,539.30	- 0.33	0.01	1.62
coppices	european beech	289.02	0.66	0.04	0.67
	sweet chestnut	479.33	1.52	0.12	2.85
	hornbeams	132.25	- 0.88	0.02	0.76
	other oaks	117.20	- 0.70	0.07	0.76
	turkey oak	132.25	- 0.39	0.05	0.60
	evergreen oaks	287.29	0.03	0.01	2.06
	other broadleaves	185.51	1.30	0.08	3.89
	conifers	1,564.83	- 0.41	0.01	0.15
plantations	eucaliptuses coppices	-	-	-	-
	other broadleaves coppices	216.20	2.08	0.27	4.22
	poplars stands	259.00	0.76	0.55	1.38
	other broadleaves stands	1,539.30	- 0.33	0.01	1.62
	conifers stands	1,221.84	0.24	0.06	0.89
	others	894.56	- 0.39	0.04	0.01
protective	rupicolous forest	823.17	0.11	0.03	0.69
	riparian forest	960.07	- 0.11	0.03	0.71

Alto_Adige					
inventory	**typology**	**a**	**υ**	**k**	**y0**
stands	norway spruce	978.65	- 0.28	0.01	0.06
	silver fir	1,106.84	- 0.25	0.02	0.03
	larches	446.19	0.49	0.03	0.22
	mountain pines	2,468.19	0.40	0.03	0.07
	mediterranean pines	-	-	-	-
	other conifers	1,564.83	- 0.41	0.01	0.15
	european beech	1,268.40	- 0.09	0.02	0.06
	turkey oak	699.33	- 0.54	0.01	0.94
	other oaks	185.51	1.30	0.08	1.62
	other broadleaves	1,539.30	- 0.33	0.01	1.62
coppices	european beech	903.79	0.55	0.04	1.15
	sweet chestnut	834.70	0.00	0.04	4.11
	hornbeams	132.25	- 0.88	0.02	0.76

	other oaks	427.06	- 0.77	0.01	0.54
	turkey oak	102.11	0.01	0.01	2.37
	evergreen oaks	-	-	-	-
	other broadleaves	185.51	1.30	0.08	3.89
	conifers	1,564.83	- 0.41	0.01	0.15
	eucaliptuses coppices	-	-	-	-
	other broadleaves coppices	-	-	-	-
	poplars stands	-	-	-	-
	other broadleaves stands	-	-	-	-
	conifers stands	1,221.84	0.24	0.06	0.89
	others	-	-	-	-
protective	rupicolous forest	1,090.53	0.03	0.02	0.15
	riparian forest	1,139.69	0.03	0.02	0.53

Basilicata

inventory typology		a	υ	k	y0
stands	norway spruce	-	-	-	-
	silver fir	754.23	- 0.01	0.03	0.40
	larches	-	-	-	-
	mountain pines	1,030.03	- 0.45	0.02	0.48
	mediterranean pines	544.15	- 0.18	0.04	0.94
	other conifers	1,564.83	- 0.41	0.01	0.15
	european beech	928.89	- 0.41	0.02	0.36
	turkey oak	1,371.74	- 0.52	0.01	0.26
	other oaks	185.51	1.30	0.08	1.62
	other broadleaves	1,539.30	- 0.33	0.01	1.62
coppices	european beech	272.32	1.04	0.05	0.67
	sweet chestnut	654.41	0.39	0.03	6.77
	hornbeams	132.25	- 0.88	0.02	0.76
	other oaks	117.20	- 0.70	0.07	0.76
	turkey oak	317.57	- 0.79	0.01	1.34
	evergreen oaks	287.29	0.03	0.01	2.06
	other broadleaves	185.51	1.30	0.08	3.89
	conifers	1,564.83	- 0.41	0.01	0.15
plantations	eucaliptuses coppices	-	-	-	-
	other broadleaves coppices	216.20	2.08	0.27	4.22
	poplars stands	259.00	0.76	0.55	1.38
	other broadleaves stands	1,539.30	- 0.33	0.01	1.62
	conifers stands	1,221.84	0.24	0.06	0.89
	others	894.56	- 0.39	0.04	0.01
protective	rupicolous forest	1,083.68	- 0.13	0.02	0.88
	riparian forest	989.83	- 0.13	0.03	0.73

Calabria

inventory typology		a	υ	k	y0
stands	norway spruce	-	-	-	-
	silver fir	754.23	- 0.01	0.03	0.40

	larches	-	-	-	-
	mountain pines	1,030.03	- 0.45	0.02	0.48
	mediterranean pines	544.15	- 0.18	0.04	0.94
	other conifers	1,564.83	- 0.41	0.01	0.15
	european beech	849.31	0.00	0.03	0.25
	turkey oak	1,371.74	- 0.52	0.01	0.26
	other oaks	185.51	1.30	0.08	1.62
	other broadleaves	1,539.30	- 0.33	0.01	1.62
coppices	european beech	272.32	1.04	0.05	0.67
	sweet chestnut	779.98	0.11	0.03	6.77
	hornbeams	132.25	- 0.88	0.02	0.76
	other oaks	117.20	- 0.70	0.07	0.76
	turkey oak	317.57	- 0.79	0.01	0.60
	evergreen oaks	287.29	0.03	0.01	2.06
	other broadleaves	185.51	1.30	0.08	3.89
	conifers	1,564.83	- 0.41	0.01	0.15
	eucaliptuses coppices	210.80	2.99	0.27	5.79
plantations	other broadleaves coppices	216.20	2.08	0.27	4.22
	poplars stands	259.00	0.76	0.55	1.38
	other broadleaves stands	1,539.30	- 0.33	0.01	1.62
	conifers stands	1,221.84	0.24	0.06	0.89
	others	894.56	- 0.39	0.04	0.01
protective	rupicolous forest	999.62	- 0.10	0.02	0.84
	riparian forest	979.89	- 0.07	0.03	0.71

Campania					
inventory typology		**a**	**v**	**k**	**y0**
	norway spruce	-	-	-	-
	silver fir	754.23	- 0.01	0.03	0.40
	larches	-	-	-	-
	mountain pines	976.81	- 0.38	0.03	0.48
stands	mediterranean pines	544.15	- 0.18	0.04	0.94
	other conifers	1,564.83	- 0.41	0.01	0.15
	european beech	914.71	- 0.42	0.02	0.14
	turkey oak	549.62	- 0.33	0.01	1.36
	other oaks	185.51	1.30	0.08	1.62
	other broadleaves	1,539.30	- 0.33	0.01	1.62
	european beech	272.32	1.04	0.05	0.67
	sweet chestnut	779.98	0.11	0.03	6.77
	hornbeams	132.25	- 0.88	0.02	0.76
coppices	other oaks	174.08	0.00	0.02	0.71
	turkey oak	317.57	- 0.79	0.01	0.60
	evergreen oaks	287.29	0.03	0.01	2.06
	other broadleaves	185.51	1.30	0.08	3.89
	conifers	1,564.83	- 0.41	0.01	0.15
	eucaliptuses coppices	-	-	-	-
plantations	other broadleaves coppices	216.20	2.08	0.27	4.22

	poplars stands	259.00	0.76	0.55	1.38
	other broadleaves stands	1,539.30	- 0.33	0.01	1.62
	conifers stands	1,221.84	0.24	0.06	0.89
	others	894.56	- 0.39	0.04	0.01
protective	rupicolous forest	471.58	0.08	0.04	1.71
	riparian forest	878.64	- 0.10	0.03	0.84

Emilia Romagna

inventory typology		a	υ	k	y0
stands	norway spruce	978.65	- 0.28	0.01	0.06
	silver fir	1,413.99	- 0.37	0.02	0.46
	larches	446.19	0.49	0.03	0.22
	mountain pines	983.26	- 0.38	0.03	0.30
	mediterranean pines	544.15	- 0.18	0.04	0.94
	other conifers	1,564.83	- 0.41	0.01	0.15
	european beech	1,255.36	- 0.23	0.02	0.18
	turkey oak	656.18	- 0.45	0.01	0.94
	other oaks	185.51	1.30	0.08	1.62
	other broadleaves	1,539.30	- 0.33	0.01	1.62
coppices	european beech	154.48	0.54	0.05	1.99
	sweet chestnut	1,387.81	0.21	0.04	2.85
	hornbeams	132.25	- 0.88	0.02	0.76
	other oaks	427.06	- 0.77	0.01	0.54
	turkey oak	102.11	0.01	0.01	2.37
	evergreen oaks	138.88	3.39	0.06	2.06
	other broadleaves	185.51	1.30	0.08	3.89
	conifers	1,564.83	- 0.41	0.01	0.15
plantations	eucaliptuses coppices	-	-	-	-
	other broadleaves coppices	216.20	2.08	0.27	4.22
	poplars stands	259.00	0.76	0.55	1.38
	other broadleaves stands	1,539.30	- 0.33	0.01	1.62
	conifers stands	1,221.84	0.24	0.06	0.89
	others	894.56	- 0.39	0.04	0.01
protective	rupicolous forest	1,007.26	- 0.12	0.02	0.79
	riparian forest	956.74	- 0.08	0.03	0.65

Friuli Venezia Giulia

inventory typology		a	υ	k	y0
stands	norway spruce	978.65	- 0.28	0.01	0.06
	silver fir	1,106.84	- 0.25	0.02	0.03
	larches	446.19	0.49	0.03	0.22
	mountain pines	2,468.19	0.40	0.03	0.07
	mediterranean pines	544.15	- 0.18	0.04	0.94
	other conifers	1,564.83	- 0.41	0.01	0.15
	european beech	1,268.40	- 0.09	0.02	0.06
	turkey oak	699.33	- 0.54	0.01	0.94
	other oaks	185.51	1.30	0.08	1.62

coppices	other broadleaves	1,539.30	- 0.33	0.01	1.62
	european beech	903.79	0.55	0.04	1.15
	sweet chestnut	834.70	0.00	0.04	4.11
	hornbeams	132.25	- 0.88	0.02	0.76
	other oaks	427.06	- 0.77	0.01	0.54
	turkey oak	-	-	-	-
	evergreen oaks	-	-	-	-
	other broadleaves	185.51	1.30	0.08	3.89
plantations	conifers	1,564.83	- 0.41	0.01	0.15
	eucaliptuses coppices	-	-	-	-
	other broadleaves coppices	216.20	2.08	0.27	4.22
	poplars stands	586.86	0.24	0.17	4.17
	other broadleaves stands	1,539.30	- 0.33	0.01	1.62
	conifers stands	1,221.84	0.24	0.06	0.89
	others	894.56	- 0.39	0.04	0.01
protective	rupicolous forest	1,279.01	- 0.05	0.02	0.25
	riparian forest	1,080.14	0.01	0.03	0.57

Lazio

inventory typology		a	v	k	y0
stands	norway spruce	-	-	-	-
	silver fir	-	-	-	-
	larches	-	-	-	-
	mountain pines	983.26	- 0.38	0.03	0.30
	mediterranean pines	544.15	- 0.18	0.04	0.94
	other conifers	1,564.83	- 0.41	0.01	0.15
	european beech	440.26	0.19	0.03	0.56
	turkey oak	412.20	0.21	0.02	1.63
	other oaks	185.51	1.30	0.08	1.62
	other broadleaves	1,539.30	- 0.33	0.01	1.62
coppices	european beech	308.01	0.00	0.02	1.99
	sweet chestnut	416.91	0.51	0.26	3.44
	hornbeams	132.25	- 0.88	0.02	0.76
	other oaks	87.52	2.24	0.17	1.16
	turkey oak	100.24	- 0.49	0.07	1.34
	evergreen oaks	287.29	0.03	0.01	2.06
	other broadleaves	185.51	1.30	0.08	3.89
	conifers	1,564.83	- 0.41	0.01	0.15
plantations	eucaliptuses coppices	-	-	-	-
	other broadleaves coppices	216.20	2.08	0.27	4.22
	poplars stands	259.00	0.76	0.55	1.38
	other broadleaves stands	1,539.30	- 0.33	0.01	1.62
	conifers stands	1,221.84	0.24	0.06	0.89
	others	894.56	- 0.39	0.04	0.01
protective	rupicolous forest	604.30	0.17	0.03	0.95
	riparian forest	873.95	0.02	0.03	1.08

Liguria

inventory typology		a	v	k	y0
stands	norway spruce	978.65	- 0.28	0.01	0.06
	silver fir	1,413.99	- 0.37	0.02	0.46
	larches	446.19	0.49	0.03	0.22
	mountain pines	2,468.19	0.40	0.03	0.07
	mediterranean pines	544.15	- 0.18	0.04	0.94
	other conifers	1,564.83	- 0.41	0.01	0.15
	european beech	1,255.36	- 0.23	0.02	0.18
	turkey oak	656.18	- 0.45	0.01	0.94
	other oaks	185.51	1.30	0.08	1.62
	other broadleaves	1,539.30	- 0.33	0.01	1.62
coppices	european beech	251.97	12.28	0.47	0.82
	sweet chestnut	834.70	0.00	0.04	4.11
	hornbeams	132.25	- 0.88	0.02	0.76
	other oaks	112.04	0.09	0.09	0.54
	turkey oak	102.11	0.01	0.01	2.37
	evergreen oaks	287.29	0.03	0.01	2.06
	other broadleaves	185.51	1.30	0.08	3.89
	conifers	1,564.83	- 0.41	0.01	0.15
plantations	eucaliptuses coppices	-	-	-	-
	other broadleaves coppices	216.20	2.08	0.27	4.22
	poplars stands	259.00	0.76	0.55	1.38
	other broadleaves stands	1,539.30	- 0.33	0.01	1.62
	conifers stands	1,221.84	0.24	0.06	0.89
	others	894.56	- 0.39	0.04	0.01
protective	rupicolous forest	1,258.80	0.00	0.03	0.73
	riparian forest	1,105.23	- 0.01	0.03	0.63

Lombardia

inventory typology		a	v	k	y0
stands	norway spruce	978.65	- 0.28	0.01	0.06
	silver fir	1,106.84	- 0.25	0.02	0.03
	larches	446.19	0.49	0.03	0.22
	mountain pines	2,468.19	0.40	0.03	0.07
	mediterranean pines	-	-	-	-
	other conifers	1,564.83	- 0.41	0.01	0.15
	european beech	1,268.40	- 0.09	0.02	0.06
	turkey oak	699.33	- 0.54	0.01	0.94
	other oaks	185.51	1.30	0.08	1.62
	other broadleaves	1,539.30	- 0.33	0.01	1.62
coppices	european beech	549.11	0.03	0.03	0.31
	sweet chestnut	834.70	0.00	0.04	4.11
	hornbeams	132.25	- 0.88	0.02	0.76
	other oaks	427.06	- 0.77	0.01	0.54
	turkey oak	102.11	0.01	0.01	2.37
	evergreen oaks	-	-	-	-

	other broadleaves	185.51	1.30	0.08	3.89
	conifers	1,564.83	- 0.41	0.01	0.15
	eucaliptuses coppices	-	-	-	-
plantations	other broadleaves coppices	216.20	2.08	0.27	4.22
plantations	poplars stands	586.86	0.24	0.17	4.17
plantations	other broadleaves stands	1,539.30	- 0.33	0.01	1.62
plantations	conifers stands	1,221.84	0.24	0.06	0.89
plantations	others	894.56	- 0.39	0.04	0.01
protective	rupicolous forest	1,126.27	- 0.01	0.02	0.31
protective	riparian forest	1,139.69	0.03	0.02	0.53
Marche					
inventory typology		**a**	**υ**	**k**	**y0**
stands	norway spruce	978.65	- 0.28	0.01	0.06
stands	silver fir	1,413.99	- 0.37	0.02	0.46
stands	larches	-	-	-	-
stands	mountain pines	1,669.71	- 0.75	0.01	0.30
stands	mediterranean pines	544.15	- 0.18	0.04	0.94
stands	other conifers	1,564.83	- 0.41	0.01	0.15
stands	european beech	257.28	0.42	0.02	0.74
stands	turkey oak	576.32	- 0.35	0.01	0.94
stands	other oaks	185.51	1.30	0.08	1.62
stands	other broadleaves	1,539.30	- 0.33	0.01	1.62
coppices	european beech	308.01	0.00	0.02	1.99
coppices	sweet chestnut	1,387.81	0.21	0.04	2.85
coppices	hornbeams	132.25	- 0.88	0.02	0.76
coppices	other oaks	97.57	- 0.77	0.02	1.09
coppices	turkey oak	102.11	0.01	0.01	2.37
coppices	evergreen oaks	287.29	0.03	0.01	2.06
coppices	other broadleaves	185.51	1.30	0.08	3.89
coppices	conifers	1,564.83	- 0.41	0.01	0.15
coppices	eucaliptuses coppices	-	-	-	-
plantations	other broadleaves coppices	216.20	2.08	0.27	4.22
plantations	poplars stands	259.00	0.76	0.55	1.38
plantations	other broadleaves stands	1,539.30	- 0.33	0.01	1.62
plantations	conifers stands	1,221.84	0.24	0.06	0.89
plantations	others	894.56	- 0.39	0.04	0.01
protective	rupicolous forest	826.35	- 0.04	0.02	0.78
protective	riparian forest	969.97	- 0.10	0.02	0.76
Molise					
inventory typology		**a**	**υ**	**k**	**y0**
stands	norway spruce	-	-	-	-
stands	silver fir	754.23	- 0.01	0.03	0.40
stands	larches	-	-	-	-
stands	mountain pines	1,554.63	- 0.71	0.01	0.30
stands	mediterranean pines	-	-	-	-

	other conifers	1,564.83	- 0.41	0.01	0.15
	european beech	986.83	- 0.24	0.02	0.25
	turkey oak	692.86	- 0.37	0.02	0.45
	other oaks	185.51	1.30	0.08	1.62
	other broadleaves	1,539.30	- 0.33	0.01	1.62
	european beech	289.02	0.66	0.04	0.67
	sweet chestnut	479.33	1.52	0.12	2.85
	hornbeams	132.25	- 0.88	0.02	0.76
coppices	other oaks	117.20	- 0.70	0.07	0.76
	turkey oak	132.25	- 0.39	0.05	0.60
	evergreen oaks	287.29	0.03	0.01	2.06
	other broadleaves	185.51	1.30	0.08	3.89
	conifers	1,564.83	- 0.41	0.01	0.15
	eucaliptuses coppices	-	-	-	-
	other broadleaves coppices	216.20	2.08	0.27	4.22
plantations	poplars stands	259.00	0.76	0.55	1.38
	other broadleaves stands	1,539.30	- 0.33	0.01	1.62
	conifers stands	1,221.84	0.24	0.06	0.89
	others	894.56	- 0.39	0.04	0.01
protective	rupicolous forest	935.32	- 0.22	0.02	0.58
	riparian forest	1,039.74	- 0.11	0.02	0.68

Piemonte					
inventory typology		**a**	**v**	**k**	**y0**
	norway spruce	978.65	- 0.28	0.01	0.06
	silver fir	1,106.84	- 0.25	0.02	0.03
	larches	446.19	0.49	0.03	0.22
	mountain pines	2,468.19	0.40	0.03	0.07
stands	mediterranean pines	-	-	-	-
	other conifers	1,564.83	- 0.41	0.01	0.15
	european beech	1,268.40	- 0.09	0.02	0.06
	turkey oak	656.18	- 0.45	0.01	0.94
	other oaks	185.51	1.30	0.08	1.62
	other broadleaves	1,539.30	- 0.33	0.01	1.62
	european beech	251.97	12.28	0.47	0.82
	sweet chestnut	834.70	0.00	0.04	4.11
	hornbeams	132.25	- 0.88	0.02	0.76
coppices	other oaks	427.06	- 0.77	0.01	0.54
	turkey oak	102.11	0.01	0.01	2.37
	evergreen oaks	-	-	-	-
	other broadleaves	185.51	1.30	0.08	3.89
	conifers	1,564.83	- 0.41	0.01	0.15
	eucaliptuses coppices	-	-	-	-
plantations	other broadleaves coppices	216.20	2.08	0.27	4.22
	poplars stands	586.86	0.24	0.17	4.17
	other broadleaves stands	1,539.30	- 0.33	0.01	1.62

	conifers stands	1,221.84	0.24	0.06	0.89
	others	894.56	- 0.39	0.04	0.01
protective	rupicolous forest	1,114.90	0.18	0.02	0.61
	riparian forest	1,134.90	0.04	0.02	0.53

Puglia

	inventory typology	a	v	k	y0
stands	norway spruce	-	-	-	-
	silver fir	-	-	-	-
	larches	-	-	-	-
	mountain pines	1,597.42	- 0.72	0.01	0.30
	mediterranean pines	544.15	- 0.18	0.04	0.94
	other conifers	1,564.83	- 0.41	0.01	0.15
	european beech	1,236.32	- 0.10	0.02	0.21
	turkey oak	1,042.19	- 0.81	0.01	0.97
	other oaks	185.51	1.30	0.08	1.62
	other broadleaves	1,539.30	- 0.33	0.01	1.62
coppices	european beech	289.02	0.66	0.04	0.67
	sweet chestnut	779.98	0.11	0.03	6.77
	hornbeams	132.25	- 0.88	0.02	0.76
	other oaks	174.08	0.00	0.02	0.71
	turkey oak	132.25	- 0.39	0.05	0.60
	evergreen oaks	287.29	0.03	0.01	2.06
	other broadleaves	185.51	1.30	0.08	3.89
plantations	conifers	1,564.83	- 0.41	0.01	0.15
	eucaliptuses coppices	210.80	2.99	0.27	5.79
	other broadleaves coppices	216.20	2.08	0.27	4.22
	poplars stands	259.00	0.76	0.55	1.38
	other broadleaves stands	1,539.30	- 0.33	0.01	1.62
	conifers stands	1,221.84	0.24	0.06	0.89
	others	894.56	- 0.39	0.04	0.01
protective	rupicolous forest	1,025.43	- 0.19	0.03	1.15
	riparian forest	1,101.39	- 0.18	0.03	0.83

Sardegna

	inventory typology	a	v	k	y0
stands	norway spruce	-	-	-	-
	silver fir	-	-	-	-
	larches	-	-	-	-
	mountain pines	1,501.88	- 0.70	0.01	0.30
	mediterranean pines	544.15	- 0.18	0.04	0.94
	other conifers	1,564.83	- 0.41	0.01	0.15
	european beech	-	-	-	-
	turkey oak	412.20	0.21	0.02	1.63
	other oaks	184.78	1.83	0.06	1.62
	other broadleaves	1,539.30	- 0.33	0.01	1.62
cop pic	european beech	-	-	-	-

	sweet chestnut	563.79	0.28	0.12	3.96
	hornbeams	-	-	-	-
	other oaks	199.54	1.75	0.06	0.54
	turkey oak	132.25	- 0.39	0.05	0.60
	evergreen oaks	287.29	0.03	0.01	2.06
	other broadleaves	185.51	1.30	0.08	3.89
	conifers	1,564.83	- 0.41	0.01	0.15
	eucaliptuses coppices	210.80	2.99	0.27	5.79
	other broadleaves coppices	216.20	2.08	0.27	4.22
plantations	poplars stands	259.00	0.76	0.55	1.38
	other broadleaves stands	1,539.30	- 0.33	0.01	1.62
	conifers stands	1,221.84	0.24	0.06	0.89
	others	894.56	- 0.39	0.04	0.01
protective	rupicolous forest	451.94	1.13	0.05	1.45
	riparian forest	821.02	0.06	0.02	0.89
Sicilia					
inventory typology		**a**	**υ**	**k**	**y0**
	norway spruce	-	-	-	-
	silver fir	-	-	-	-
	larches	-	-	-	-
	mountain pines	739.05	0.47	0.04	2.14
stands	mediterranean pines	1,170.83	- 0.44	0.01	0.62
	other conifers	1,564.83	- 0.41	0.01	0.15
	european beech	849.31	0.00	0.03	0.25
	turkey oak	1,371.74	- 0.52	0.01	0.26
	other oaks	185.51	1.30	0.08	1.62
	other broadleaves	1,539.30	- 0.33	0.01	1.62
	european beech	289.02	0.66	0.04	0.67
	sweet chestnut	779.98	0.11	0.03	6.77
	hornbeams	132.25	- 0.88	0.02	0.76
coppices	other oaks	117.20	- 0.70	0.07	0.76
	turkey oak	132.25	- 0.39	0.05	0.60
	evergreen oaks	287.29	0.03	0.01	2.06
	other broadleaves	185.51	1.30	0.08	3.89
	conifers	1,564.83	- 0.41	0.01	0.15
	eucaliptuses coppices	210.80	2.99	0.27	5.79
	other broadleaves coppices	216.20	2.08	0.27	4.22
plantations	poplars stands	259.00	0.76	0.55	1.38
	other broadleaves stands	1,539.30	- 0.33	0.01	1.62
	conifers stands	1,221.84	0.24	0.06	0.89
	others	894.56	- 0.39	0.04	0.01
protective	rupicolous forest	964.72	0.20	0.03	1.30
	riparian forest	1,060.08	0.01	0.03	0.95
Toscana					
inventory typology		**a**	**υ**	**k**	**y0**

stands	norway spruce	978.65	- 0.28	0.01	0.06
	silver fir	1,413.99	- 0.37	0.02	0.46
	larches	446.19	0.49	0.03	0.22
	mountain pines	983.26	- 0.38	0.03	0.30
	mediterranean pines	544.15	- 0.18	0.04	0.94
	other conifers	1,564.83	- 0.41	0.01	0.15
	european beech	1,255.36	- 0.23	0.02	0.18
	turkey oak	656.18	- 0.45	0.01	0.94
	other oaks	185.51	1.30	0.08	1.62
	other broadleaves	1,539.30	- 0.33	0.01	1.62
coppices	european beech	308.01	0.00	0.02	1.99
	sweet chestnut	1,387.81	0.21	0.04	2.85
	hornbeams	132.25	- 0.88	0.02	0.76
	other oaks	427.06	- 0.77	0.01	0.54
	turkey oak	102.11	0.01	0.01	2.37
	evergreen oaks	287.29	0.03	0.01	2.06
	other broadleaves	185.51	1.30	0.08	3.89
	conifers	1,564.83	- 0.41	0.01	0.15
plantations	eucaliptuses coppices	-	-	-	-
	other broadleaves coppices	216.20	2.08	0.27	4.22
	poplars stands	259.00	0.76	0.55	1.38
	other broadleaves stands	1,539.30	- 0.33	0.01	1.62
	conifers stands	1,221.84	0.24	0.06	0.89
	others	894.56	- 0.39	0.04	0.01
protective	rupicolous forest	912.24	- 0.08	0.03	0.85
	riparian forest	956.74	- 0.08	0.03	0.65

Trentino					
inventory typology		**a**	**v**	**k**	**y0**
stands	norway spruce	978.65	- 0.28	0.01	0.06
	silver fir	1,106.84	- 0.25	0.02	0.03
	larches	446.19	0.49	0.03	0.22
	mountain pines	2,468.19	0.40	0.03	0.07
	mediterranean pines	-	-	-	-
	other conifers	1,564.83	- 0.41	0.01	0.15
	european beech	1,268.40	- 0.09	0.02	0.06
	turkey oak	699.33	- 0.54	0.01	0.94
	other oaks	185.51	1.30	0.08	1.62
	other broadleaves	1,539.30	- 0.33	0.01	1.62
coppices	european beech	903.79	0.55	0.04	1.15
	sweet chestnut	834.70	0.00	0.04	4.11
	hornbeams	132.25	- 0.88	0.02	0.76
	other oaks	427.06	- 0.77	0.01	0.54
	turkey oak	102.11	0.01	0.01	2.37
	evergreen oaks	-	-	-	-
	other broadleaves	185.51	1.30	0.08	3.89

plantations	conifers	1,564.83	- 0.41	0.01	0.15
	eucaliptuses coppices	-	-	-	-
	other broadleaves coppices	-	-	-	-
	poplars stands	-	-	-	-
	other broadleaves stands	-	-	-	-
	conifers stands	1,221.84	0.24	0.06	0.89
	others	-	-	-	-
protective	rupicolous forest	1,090.53	0.03	0.02	0.15
	riparian forest	1,139.69	0.03	0.02	0.53

Umbria

inventory typology		a	υ	k	y0
stands	norway spruce	-	-	-	-
	silver fir	-	-	-	-
	larches	-	-	-	-
	mountain pines	983.26	- 0.38	0.03	0.30
	mediterranean pines	544.15	- 0.18	0.04	0.94
	other conifers	1,564.83	- 0.41	0.01	0.15
	european beech	1,255.36	- 0.23	0.02	0.18
	turkey oak	656.18	- 0.45	0.01	0.94
	other oaks	185.51	1.30	0.08	1.62
	other broadleaves	1,539.30	- 0.33	0.01	1.62
coppices	european beech	308.01	0.00	0.02	1.99
	sweet chestnut	1,387.81	0.21	0.04	2.85
	hornbeams	132.25	- 0.88	0.02	0.76
	other oaks	88.33	- 0.71	0.06	1.64
	turkey oak	102.11	0.01	0.01	2.37
	evergreen oaks	287.29	0.03	0.01	2.06
	other broadleaves	185.51	1.30	0.08	3.89
plantations	conifers	1,564.83	- 0.41	0.01	0.15
	eucaliptuses coppices	-	-	-	-
	other broadleaves coppices	216.20	2.08	0.27	4.22
	poplars stands	259.00	0.76	0.55	1.38
	other broadleaves stands	1,539.30	- 0.33	0.01	1.62
	conifers stands	1,221.84	0.24	0.06	0.89
	others	894.56	- 0.39	0.04	0.01
protective	rupicolous forest	843.81	- 0.08	0.03	0.66
	riparian forest	961.22	- 0.10	0.03	0.82

Valle D'Aosta

inventory typology		a	υ	k	y0
stands	norway spruce	978.65	- 0.28	0.01	0.06
	silver fir	1,106.84	- 0.25	0.02	0.03
	larches	446.19	0.49	0.03	0.22
	mountain pines	2,468.19	0.40	0.03	0.07
	mediterranean pines	-	-	-	-
	other conifers	1,564.83	- 0.41	0.01	0.15

coppices	european beech	1,268.40	- 0.09	0.02	0.06
	turkey oak	-	-	-	-
	other oaks	185.51	1.30	0.08	1.62
	other broadleaves	1,539.30	- 0.33	0.01	1.62
plantations	european beech	251.97	12.28	0.47	0.82
	sweet chestnut	834.70	0.00	0.04	4.11
	hornbeams	132.25	- 0.88	0.02	0.76
	other oaks	427.06	- 0.77	0.01	0.54
	turkey oak	-	-	-	-
	evergreen oaks	-	-	-	-
	other broadleaves	185.51	1.30	0.08	3.89
	conifers	1,564.83	- 0.41	0.01	0.15
	eucaliptuses coppices	-	-	-	-
	other broadleaves coppices	-	-	-	-
	poplars stands	-	-	-	-
	other broadleaves stands	-	-	-	-
	conifers stands	-	-	-	-
	others	-	-	-	-
protective	rupicolous forest	1,117.61	0.24	0.03	0.28
	riparian forest	1,194.74	0.10	0.03	0.48

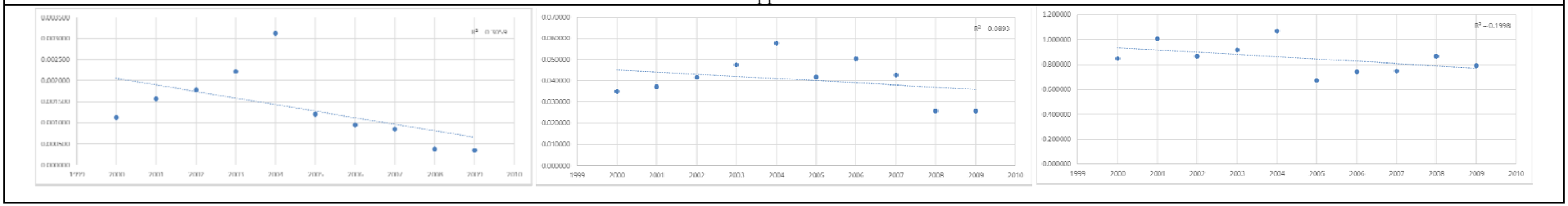
Veneto					
inventory typology		**a**	**v**	**k**	**y0**
stands	norway spruce	978.65	- 0.28	0.01	0.06
	silver fir	1,106.84	- 0.25	0.02	0.03
	larches	446.19	0.49	0.03	0.22
	mountain pines	2,468.19	0.40	0.03	0.07
	mediterranean pines	544.15	- 0.18	0.04	0.94
	other conifers	1,564.83	- 0.41	0.01	0.15
	european beech	1,268.40	- 0.09	0.02	0.06
	turkey oak	699.33	- 0.54	0.01	0.94
	other oaks	185.51	1.30	0.08	1.62
	other broadleaves	1,539.30	- 0.33	0.01	1.62
coppices	european beech	903.79	0.55	0.04	1.15
	sweet chestnut	834.70	0.00	0.04	4.11
	hornbeams	132.25	- 0.88	0.02	0.76
	other oaks	427.06	- 0.77	0.01	0.54
	turkey oak	102.11	0.01	0.01	2.37
	evergreen oaks	-	-	-	-
	other broadleaves	185.51	1.30	0.08	3.89
	conifers	1,564.83	- 0.41	0.01	0.15
plantations	eucaliptuses coppices	-	-	-	-
	other broadleaves coppices	216.20	2.08	0.27	4.22
	poplars stands	586.86	0.24	0.17	4.17
	other broadleaves stands	1,539.30	- 0.33	0.01	1.62
	conifers stands	1,221.84	0.24	0.06	0.89

	others	894.56	- 0.39	0.04	0.01
protective	rupicolous forest	1,016.03	- 0.13	0.02	0.19
	riparian forest	1,080.14	0.01	0.03	0.57

Appendix B

This appendix contains the time series of values of harvesting ratios, for each FMP in each region/province, is reported, for the reference period. Each green shadowed cell contains the value of the harvest ratio used as indicator for the respective FMP.

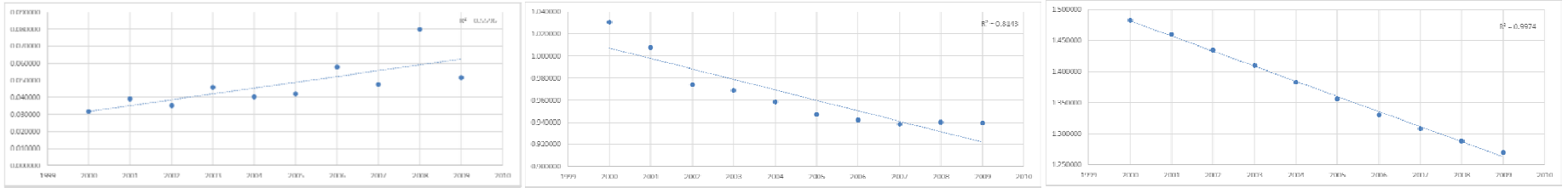
Abruzzo region inventory typology		2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	average $m^3\ tC^{-1}\ ha^{-1}\ yr^{-1}$
stands	norway spruce	0.001799	0.002503	0.002831	0.003544	0.005007	0.001926	0.001534	0.001363	0.000609	0.000569	0.002168
	silver fir	0.001812	0.002516	0.002840	0.003549	0.005006	0.001923	0.001529	0.001357	0.000605	0.000565	0.002170
	larches	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	mountain pines	0.001478	0.002053	0.002318	0.002897	0.004087	0.001570	0.001249	0.001108	0.000494	0.000461	0.001772
	mediterranean pines	0.001138	0.001581	0.001785	0.002232	0.003150	0.001210	0.000963	0.000854	0.000381	0.000356	0.001365
	other conifers	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	european beech	0.001133	0.001571	0.001772	0.002213	0.003120	0.001197	0.000952	0.000844	0.000376	0.000351	0.001353
	turkey oak	0.000943	0.001308	0.001476	0.001843	0.002597	0.000997	0.000792	0.000702	0.000313	0.000292	0.001126
	other oaks	0.000986	0.001368	0.001544	0.001928	0.002719	0.001044	0.000830	0.000736	0.000328	0.000306	0.001179
	other broadleaves	0.001202	0.001667	0.001881	0.002349	0.003312	0.001271	0.001010	0.000896	0.000400	0.000373	0.001436
coppices	european beech	0.034723	0.037036	0.041117	0.047187	0.057191	0.041311	0.049730	0.042141	0.025359	0.025430	0.040122
	sweet chestnut	0.042831	0.045748	0.050859	0.058443	0.070915	0.051290	0.061816	0.052419	0.031591	0.031726	0.049764
	hornbeams	0.034101	0.036364	0.040364	0.046313	0.056114	0.040528	0.048779	0.041312	0.024866	0.024940	0.039368
	other oaks	0.031424	0.033539	0.037258	0.042778	0.051854	0.037480	0.045136	0.038220	0.023033	0.023129	0.036385
	turkey oak	0.033982	0.036234	0.040217	0.046141	0.055899	0.040373	0.048591	0.041141	0.024769	0.024850	0.039220
	evergreen oaks	0.027440	0.029270	0.032498	0.037298	0.045207	0.032657	0.039315	0.033313	0.020050	0.020110	0.031716
	other broadleaves	0.034648	0.037008	0.041143	0.047273	0.057349	0.041475	0.049978	0.042361	0.025532	0.025642	0.040241
	conifers	0.047733	0.050944	0.056591	0.064983	0.078801	0.056952	0.068595	0.058149	0.035013	0.035130	0.055289
plantations	eucalyptuses coppices	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	other broadleaves coppices	0.705807	0.837697	0.720082	0.758195	0.877376	0.547228	0.601389	0.602400	0.694154	0.632918	0.697725
	poplars stands	1.406747	1.662603	1.439791	1.521657	1.761878	1.114448	1.236154	1.217752	1.446790	1.325835	1.413365
	other broadleaves stands	0.691383	0.812228	0.691417	0.724206	0.831393	0.518947	0.570096	0.571643	0.655631	0.597967	0.666491
	conifers stands	0.946406	1.126455	0.966857	1.021445	1.186292	0.737617	0.809032	0.811526	0.931011	0.846443	0.938308
	others	0.794690	0.938822	0.802615	0.844690	0.976301	0.608452	0.668327	0.670895	0.770400	0.702025	0.777722
stands		0.001133	0.001573	0.001775	0.002218	0.003128	0.001201	0.000955	0.000847	0.000378	0.000353	0.001356
coppices		0.034947	0.037312	0.041464	0.047629	0.057772	0.041770	0.050325	0.042662	0.025704	0.025806	0.040539
plantation		0.846440	1.006071	0.866974	0.918275	1.067673	0.671007	0.742020	0.746135	0.867020	0.793558	0.852517



Harvesting ratios - Abruzzo

Alto Adige/Sud Tirolo province inventory typology		2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	average $m^3\ tC^{-1}\ ha^{-1}\ yr^{-1}$
stands	norway spruce	0.036215	0.044643	0.040462	0.052642	0.046226	0.048202	0.066227	0.054746	0.091933	0.059479	0.054077
	silver fir	0.034797	0.042895	0.038878	0.050583	0.044418	0.046318	0.063639	0.052608	0.088345	0.057159	0.051964
	larches	0.025947	0.031986	0.028992	0.037721	0.033125	0.034543	0.047463	0.039237	0.065893	0.042634	0.038754
	mountain pines	0.027791	0.034268	0.031068	0.040432	0.035514	0.037043	0.050911	0.042091	0.070698	0.045747	0.041556
	mediterranean pines	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	other conifers	0.029312	0.036159	0.032797	0.042698	0.037518	0.039148	0.053818	0.044521	0.074810	0.048434	0.043922
	european beech	0.020944	0.025828	0.023417	0.030477	0.026772	0.027926	0.038382	0.031738	0.053314	0.034504	0.031330
	turkey oak	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	other oaks	0.018126	0.022367	0.020293	0.026425	0.023226	0.024240	0.033329	0.027586	0.046369	0.030035	0.027200
	other broadleaves	0.022141	0.027313	0.024772	0.032251	0.028338	0.029568	0.040648	0.033626	0.056501	0.036579	0.033174
coppices	european beech	1.027668	0.996220	0.951864	0.935259	0.914744	0.894754	0.882955	0.874169	0.871906	0.868478	0.921802
	sweet chestnut	1.190547	1.168574	1.132814	1.129422	1.119432	1.107296	1.102434	1.098354	1.100572	1.099906	1.124935
	hornbeams	0.885747	0.870599	0.846767	0.847792	0.843956	0.838192	0.837465	0.837781	0.841851	0.842998	0.849315
	other oaks	0.841865	0.826398	0.802160	0.801331	0.795980	0.789025	0.787067	0.785822	0.788634	0.789054	0.800734
	turkey oak	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	evergreen oaks	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	other broadleaves	0.926692	0.911840	0.887013	0.887777	0.883269	0.876716	0.875478	0.875090	0.878898	0.879827	0.888260
	conifers	1.426848	1.400829	1.355095	1.345529	1.326239	1.303363	1.288646	1.272745	1.265507	1.256206	1.324101
plantations	eucalyptuses coppices	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	other broadleaves coppices	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	poplars stands	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	other broadleaves stands	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	conifers stands	1.482372	1.459868	1.434750	1.409868	1.383236	1.356416	1.330062	1.307752	1.288027	1.270095	1.372245
	others	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
stands		0.031736	0.039087	0.035397	0.046013	0.040371	0.042063	0.057746	0.047697	0.080032	0.051738	0.047188
coppices		1.030819	1.007854	0.973986	0.968800	0.958599	0.947060	0.942098	0.938436	0.940140	0.939379	0.964717
plantation		1.482372	1.459868	1.434750	1.409868	1.383236	1.356416	1.330062	1.307752	1.288027	1.270095	1.372245

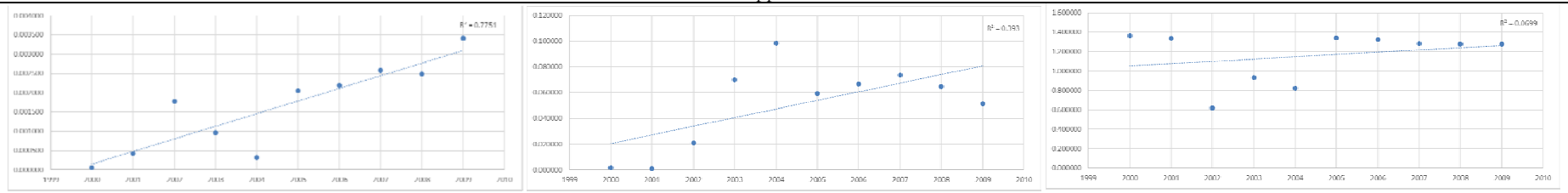
Stands Coppices Plantation



Harvesting ratios - Alto Adige/Sud Tirolo

Basilicata region inventory typology		2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	average $m^3\ tC^{-1}\ ha^{-1}\ yr^{-1}$
stands	norway spruce	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	silver fir	0.000099	0.000721	0.003002	0.001615	0.000529	0.003477	0.003695	0.004374	0.004214	0.005777	0.002750
	larches	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	mountain pines	0.000081	0.000588	0.002450	0.001318	0.000432	0.002838	0.003017	0.003571	0.003441	0.004718	0.002245
	mediterranean pines	0.000062	0.000451	0.001881	0.001012	0.000332	0.002183	0.002321	0.002749	0.002650	0.003634	0.001727
	other conifers	0.000086	0.000623	0.002593	0.001395	0.000457	0.003004	0.003192	0.003779	0.003641	0.004992	0.002376
	european beech	0.000062	0.000449	0.001869	0.001005	0.000329	0.002162	0.002296	0.002717	0.002617	0.003586	0.001709
	turkey oak	0.000051	0.000370	0.001541	0.000829	0.000271	0.001783	0.001894	0.002242	0.002160	0.002960	0.001410
	other oaks	0.000054	0.000390	0.001623	0.000873	0.000286	0.001879	0.001997	0.002363	0.002277	0.003121	0.001486
	other broadleaves	0.000066	0.000475	0.001977	0.001063	0.000348	0.002287	0.002430	0.002876	0.002770	0.003797	0.001809
coppices	european beech	0.001725	0.001001	0.021430	0.071238	0.100016	0.060362	0.067822	0.074546	0.065579	0.051906	0.051562
	sweet chestnut	0.002140	0.001244	0.026682	0.088783	0.124724	0.075350	0.084735	0.093178	0.082022	0.064982	0.064384
	hornbeams	0.001687	0.000980	0.020985	0.069747	0.097870	0.059068	0.066361	0.072900	0.064114	0.050757	0.050447
	other oaks	0.001562	0.000908	0.019487	0.064784	0.090892	0.054888	0.061685	0.067748	0.059593	0.047208	0.046875
	turkey oak	0.001683	0.000977	0.020932	0.069575	0.097646	0.058936	0.066217	0.072753	0.063991	0.050660	0.050337
	evergreen oaks	0.001368	0.000794	0.017001	0.056510	0.079318	0.047868	0.053779	0.059094	0.051977	0.041141	0.040885
	other broadleaves	0.001714	0.000997	0.021405	0.071244	0.100096	0.060494	0.068046	0.074826	0.065877	0.052210	0.051691
	conifers	0.002365	0.001374	0.029449	0.097956	0.137588	0.083091	0.093412	0.102712	0.090398	0.071594	0.070994
plantations	eucalyptuses coppices	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	other broadleaves coppices	1.127013	1.118284	0.514538	0.768190	0.674615	1.090564	1.061103	1.010767	0.998645	0.996068	0.935979
	poplars stands	2.308803	2.218919	1.015376	1.519417	1.347538	2.177812	2.132610	2.099033	2.073603	2.053757	1.894687
	other broadleaves stands	1.111400	1.081659	0.497395	0.737162	0.644975	1.034342	1.003624	0.947035	0.933555	0.922160	0.891331
	conifers stands	1.501367	1.489257	0.686607	1.027673	0.904439	1.479259	1.460160	1.396185	1.387368	1.373914	1.270623
	others	1.271998	1.245426	0.573743	0.854266	0.749871	1.215259	1.191726	1.135265	1.127274	1.118669	1.048350
stands		0.000059	0.000425	0.001772	0.000953	0.000312	0.002051	0.002180	0.002580	0.002485	0.003407	0.001622
coppices		0.001681	0.000978	0.020992	0.069873	0.098175	0.059336	0.066748	0.073407	0.064634	0.051230	0.050705
plantation		1.362495	1.340060	0.620477	0.930572	0.823429	1.342758	1.325487	1.281800	1.279909	1.277680	1.158467

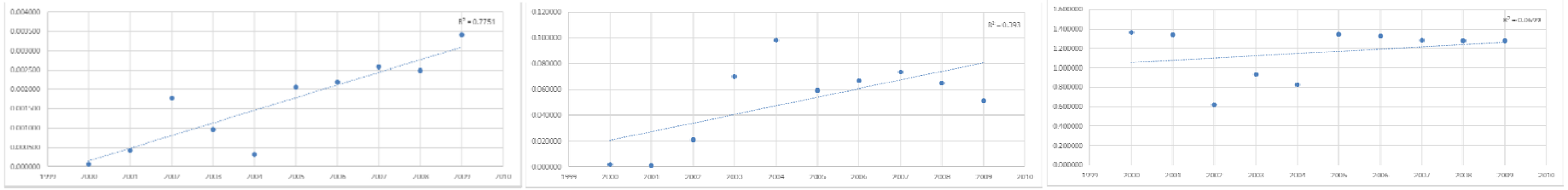
Stands Coppices Plantation



Harvesting ratios - Basilicata

Calabria region inventory typology		2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	average $m^3\ tC^{-1}\ ha^{-1}\ yr^{-1}$
stands	norway spruce	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	silver fir	0.034020	0.032602	0.032317	0.030130	0.030396	0.025693	0.026356	0.028283	0.043802	0.036041	0.031964
	larches	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	mountain pines	0.027745	0.026592	0.026362	0.024580	0.024799	0.020966	0.021508	0.023075	0.035733	0.029402	0.026076
	mediterranean pines	0.021205	0.020338	0.020177	0.018827	0.019007	0.016080	0.016506	0.017707	0.027426	0.022576	0.019985
	other conifers	0.029288	0.028072	0.027831	0.025951	0.026184	0.022137	0.022710	0.024371	0.037744	0.031060	0.027535
	european beech	0.021065	0.020181	0.019998	0.018638	0.018797	0.015884	0.016289	0.017477	0.027059	0.022259	0.019765
	turkey oak	0.017395	0.016666	0.016517	0.015396	0.015529	0.013125	0.013460	0.014442	0.022361	0.018396	0.016329
	other oaks	0.018333	0.017567	0.017413	0.016234	0.016377	0.013846	0.014204	0.015223	0.023563	0.019384	0.017214
	other broadleaves	0.022357	0.021420	0.021228	0.019787	0.019957	0.016866	0.017297	0.018559	0.028736	0.023641	0.020985
coppices	european beech	0.024064	0.024107	0.026537	0.044793	0.054488	0.047131	0.047336	0.045577	0.065555	0.016859	0.039645
	sweet chestnut	0.029861	0.029958	0.033023	0.055811	0.067962	0.058857	0.059171	0.056959	0.081943	0.021096	0.049464
	hornbeams	0.023446	0.023500	0.025881	0.043703	0.053173	0.046016	0.046227	0.044450	0.063889	0.016440	0.038673
	other oaks	0.021564	0.021659	0.023899	0.040417	0.049228	0.042659	0.042895	0.041196	0.059200	0.015253	0.035797
	turkey oak	0.023546	0.023591	0.025972	0.043843	0.053332	0.046138	0.046340	0.044575	0.064076	0.016482	0.038790
	evergreen oaks	0.019085	0.019120	0.021048	0.035529	0.043217	0.037385	0.037547	0.036134	0.051956	0.013363	0.031438
	other broadleaves	0.023810	0.023911	0.026382	0.044622	0.054373	0.047125	0.047405	0.045612	0.065619	0.016905	0.039577
	conifers	0.032992	0.033079	0.036442	0.061559	0.074933	0.064864	0.065188	0.062773	0.090314	0.023242	0.054539
plantations	eucalyptuses coppices	0.039107	0.039605	0.037007	0.032809	0.036979	0.019961	0.025105	0.025994	0.010752	0.000000	0.026732
	other broadleaves coppices	0.036469	0.036921	0.034488	0.030567	0.034445	0.018587	0.023375	0.024216	0.010015	0.000000	0.024908
	poplars stands	0.077819	0.079747	0.074465	0.066109	0.074255	0.040233	0.050268	0.050370	0.021393	0.000000	0.053466
	other broadleaves stands	0.034506	0.034946	0.032620	0.028901	0.032488	0.017483	0.021898	0.022813	0.009437	0.000000	0.023509
	conifers stands	0.045039	0.045666	0.042676	0.037852	0.042597	0.022950	0.028775	0.029997	0.012419	0.000000	0.030797
	others	0.039885	0.040408	0.037733	0.033445	0.037610	0.020251	0.025374	0.026420	0.010930	0.000000	0.027206
stands		0.022999	0.022050	0.021866	0.020393	0.020581	0.017404	0.017859	0.019167	0.029690	0.024436	0.021644
coppices		0.025187	0.025291	0.027903	0.047196	0.057518	0.049852	0.050157	0.048315	0.069555	0.017920	0.041889
plantation		0.041589	0.042154	0.039343	0.034856	0.039173	0.021088	0.026401	0.027425	0.011368	0.000000	0.028340

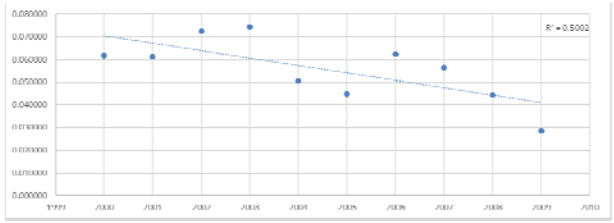
Stands Coppices Plantation

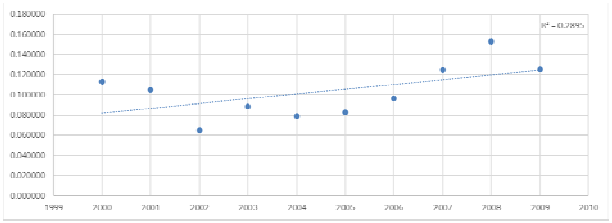


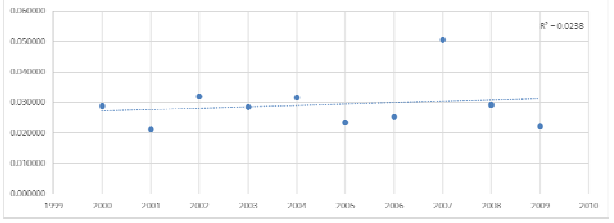
Harvesting ratios - Calabria

Campania region inventory typology		2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	average $m^3\ tC^{-1}\ ha^{-1}\ yr^{-1}$
stands	norway spruce	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	silver fir	0.100424	0.099622	0.118114	0.121200	0.082284	0.072824	0.101504	0.091880	0.072192	0.046156	0.090620
	larches	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	mountain pines	0.079744	0.079227	0.094059	0.096632	0.065693	0.058218	0.081236	0.073595	0.057886	0.037044	0.072333
	mediterranean pines	0.061872	0.061458	0.072948	0.074928	0.050931	0.045130	0.062963	0.057031	0.044853	0.028700	0.056081
	other conifers	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	european beech	0.062248	0.061728	0.073157	0.075039	0.050928	0.045059	0.062784	0.056811	0.044625	0.028522	0.056090
	turkey oak	0.051749	0.051311	0.060806	0.062364	0.042322	0.037441	0.052164	0.047198	0.037070	0.023692	0.046612
	other oaks	0.053729	0.053299	0.063189	0.064833	0.044020	0.038964	0.054309	0.049152	0.038623	0.024694	0.048481
	other broadleaves	0.065895	0.065356	0.077472	0.079480	0.053951	0.047741	0.066532	0.060213	0.047303	0.030239	0.059418
coppices	european beech	0.107865	0.099784	0.061423	0.084014	0.074753	0.078299	0.090912	0.117712	0.144158	0.118039	0.097696
	sweet chestnut	0.132926	0.123106	0.075923	0.103959	0.092631	0.097153	0.112928	0.146053	0.178943	0.146628	0.121025
	hornbeams	0.104686	0.096812	0.059638	0.081558	0.072595	0.076063	0.088327	0.114042	0.139574	0.114267	0.094756
	other oaks	0.097551	0.090255	0.055591	0.076050	0.067695	0.070933	0.082384	0.106561	0.130489	0.106857	0.088437
	turkey oak	0.104906	0.097012	0.059741	0.081694	0.072700	0.076159	0.088427	0.114245	0.139829	0.114466	0.094918
	evergreen oaks	0.085167	0.078765	0.048494	0.066316	0.059008	0.061809	0.071762	0.092784	0.113576	0.092975	0.077066
	other broadleaves	0.106113	0.098324	0.060680	0.083124	0.074105	0.077760	0.090422	0.116911	0.143266	0.117424	0.096813
	conifers	0.147515	0.136540	0.084129	0.115137	0.102523	0.107462	0.124851	0.161572	0.197924	0.162131	0.133978
plantations	eucalyptuses coppices	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	other broadleaves coppices	0.025105	0.018573	0.028002	0.025236	0.027837	0.020613	0.022328	0.045944	0.025436	0.019226	0.025830
	poplars stands	0.054166	0.040207	0.060778	0.054215	0.060078	0.044476	0.048127	0.094703	0.055127	0.041541	0.055342
	other broadleaves stands	0.023950	0.017543	0.026508	0.023684	0.026274	0.019413	0.020996	0.042031	0.024231	0.018389	0.024302
	conifers stands	0.031256	0.022923	0.034676	0.031017	0.034446	0.025479	0.027585	0.055269	0.031893	0.024224	0.031877
	others	0.027672	0.020281	0.030659	0.027405	0.030413	0.022481	0.024323	0.048690	0.028077	0.021309	0.028131
stands		0.061689	0.061197	0.072557	0.074451	0.050549	0.044740	0.062362	0.056448	0.044355	0.028360	0.055671
coppices		0.113112	0.104814	0.064673	0.088600	0.078984	0.082878	0.096378	0.124705	0.152852	0.125299	0.103229
plantation		0.028816	0.021130	0.031919	0.028512	0.031620	0.023363	0.025264	0.050524	0.029136	0.022100	0.029239

Stands Coppices Plantation



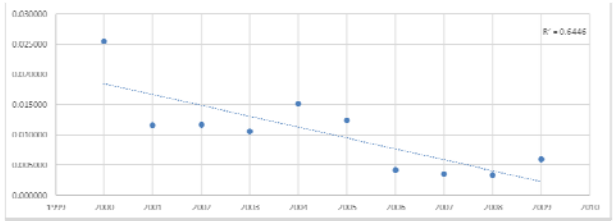


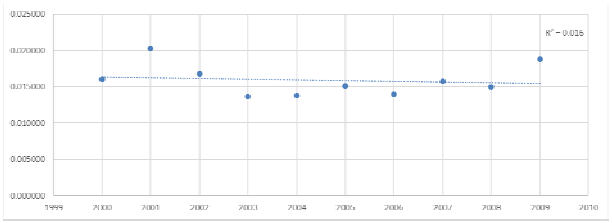


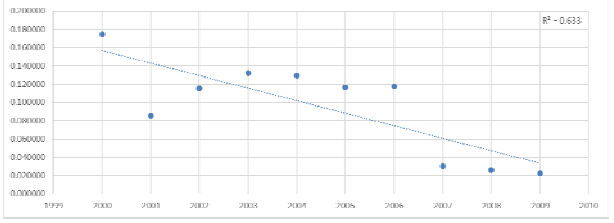
Harvesting ratios - Campania

Emilia_Romagna region inventory typology		2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	average $m^3\ tC^{-1}\ ha^{-1}\ yr^{-1}$
stands	norway spruce	0.038354	0.017526	0.017586	0.015850	0.022804	0.018754	0.006326	0.005404	0.005150	0.008937	0.015669
	silver fir	0.037854	0.017282	0.017327	0.015603	0.022432	0.018434	0.006214	0.005305	0.005053	0.008764	0.015427
	larches	0.028040	0.012797	0.012825	0.011545	0.016592	0.013631	0.004593	0.003919	0.003731	0.006469	0.011414
	mountain pines	0.031213	0.014244	0.014276	0.012852	0.018470	0.015174	0.005114	0.004365	0.004157	0.007208	0.012707
	mediterranean pines	0.024214	0.011049	0.011073	0.009967	0.014323	0.011766	0.003965	0.003384	0.003223	0.005589	0.009855
	other conifers	0.033418	0.015237	0.015259	0.013726	0.019713	0.016185	0.005451	0.004650	0.004425	0.007669	0.013573
	european beech	0.023922	0.010903	0.010913	0.009813	0.014088	0.011563	0.003893	0.003319	0.003158	0.005471	0.009704
	turkey oak	0.020035	0.009128	0.009135	0.008212	0.011787	0.009671	0.003255	0.002775	0.002640	0.004572	0.008121
	other oaks	0.020899	0.009528	0.009540	0.008580	0.012321	0.010115	0.003406	0.002906	0.002766	0.004794	0.008485
	other broadleaves	0.025550	0.011644	0.011655	0.010479	0.015043	0.012346	0.004156	0.003544	0.003371	0.005840	0.010363
coppices	european beech	0.015604	0.019680	0.016320	0.013191	0.013346	0.014599	0.013461	0.015214	0.014409	0.018037	0.015386
	sweet chestnut	0.019224	0.024278	0.020159	0.016313	0.016523	0.018093	0.016700	0.018891	0.017905	0.022431	0.019052
	hornbeams	0.015321	0.019325	0.016028	0.012955	0.013108	0.014339	0.013222	0.014944	0.014153	0.017716	0.015111
	other oaks	0.014120	0.017822	0.014790	0.011961	0.012109	0.013252	0.012226	0.013824	0.013097	0.016400	0.013960
	turkey oak	0.015312	0.019314	0.016018	0.012946	0.013099	0.014328	0.013212	0.014931	0.014140	0.017698	0.015100
	evergreen oaks	0.012178	0.015370	0.012755	0.010315	0.010441	0.011428	0.010542	0.011919	0.011292	0.014139	0.012038
	other broadleaves	0.015591	0.019700	0.016366	0.013250	0.013426	0.014708	0.013580	0.015370	0.014576	0.018268	0.015484
	conifers	0.021428	0.027048	0.022448	0.018156	0.018381	0.020120	0.018563	0.020989	0.019886	0.024902	0.021192
plantations	eucalyptuses coppices	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	other broadleaves coppices	0.104798	0.051174	0.069385	0.079629	0.078119	0.070394	0.070898	0.018236	0.015908	0.013727	0.057227
	poplars stands	0.225251	0.110360	0.149453	0.171169	0.167807	0.151222	0.152277	0.039433	0.034491	0.029745	0.123121
	other broadleaves stands	0.100464	0.048901	0.066201	0.075943	0.074466	0.067030	0.067461	0.017253	0.014990	0.012885	0.054559
	conifers stands	0.131058	0.063862	0.086546	0.099380	0.097542	0.087884	0.088530	0.022663	0.019710	0.016958	0.071413
	others	0.115860	0.056419	0.076399	0.087656	0.085967	0.077400	0.077915	0.019942	0.017339	0.014914	0.062981
stands		0.025509	0.011652	0.011689	0.010532	0.015150	0.012458	0.004202	0.003590	0.003421	0.005937	0.010414
coppices		0.016028	0.020247	0.016817	0.013613	0.013793	0.015109	0.013951	0.015789	0.014973	0.018767	0.015909
plantation		0.174636	0.085334	0.115464	0.132241	0.129595	0.116680	0.117403	0.030215	0.026285	0.022559	0.095041

Stands Coppices Plantation



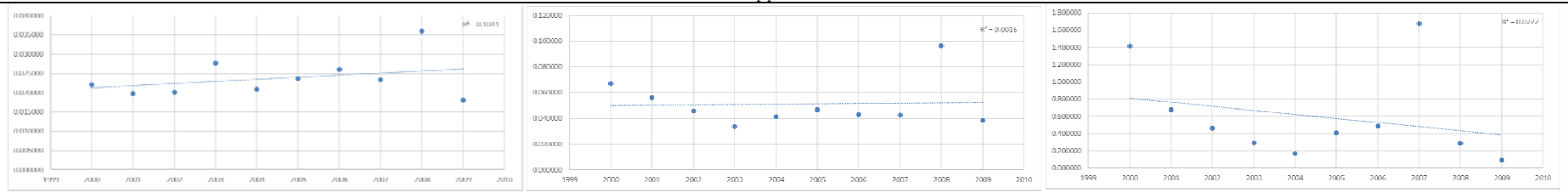




Harvesting ratios – Emilia Romagna

Friuli_Venezia_Giulia region inventory typology		2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	average $m^3\ tC^{-1}\ ha^{-1}\ yr^{-1}$
stands	norway spruce	0.030280	0.027101	0.027552	0.037982	0.028747	0.032405	0.035809	0.032133	0.049522	0.024858	0.032639
	silver fir	0.029164	0.026102	0.026535	0.036580	0.027685	0.031207	0.034484	0.030944	0.047688	0.023937	0.031432
	larches	0.021713	0.019434	0.019758	0.027239	0.020616	0.023241	0.025683	0.023048	0.035521	0.017831	0.023408
	mountain pines	0.023269	0.020832	0.021183	0.029212	0.022114	0.024935	0.027561	0.024737	0.038132	0.019144	0.025112
	mediterranean pines	0.017822	0.015972	0.016256	0.022431	0.016996	0.019179	0.021212	0.019055	0.029394	0.014769	0.019309
	other conifers	0.024569	0.022005	0.022386	0.030878	0.023384	0.026376	0.029163	0.026185	0.040377	0.020279	0.026560
	european beech	0.017699	0.015843	0.016109	0.022211	0.016812	0.018955	0.020948	0.018801	0.028978	0.014548	0.019090
	turkey oak	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	other oaks	0.015352	0.013748	0.013984	0.019283	0.014602	0.016468	0.018204	0.016345	0.025202	0.012658	0.016585
	other broadleaves	0.018768	0.016803	0.017086	0.023560	0.017836	0.020110	0.022228	0.019951	0.030755	0.015441	0.020254
coppices	european beech	0.062144	0.051874	0.042159	0.030883	0.038017	0.042908	0.039424	0.039136	0.088402	0.035302	0.047025
	sweet chestnut	0.077982	0.065166	0.053023	0.038886	0.047922	0.054139	0.049791	0.049478	0.111807	0.044691	0.059289
	hornbeams	0.061992	0.051719	0.042015	0.030768	0.037865	0.042721	0.039241	0.038950	0.087916	0.035105	0.046829
	other oaks	0.057244	0.047786	0.038842	0.028459	0.035039	0.039552	0.036346	0.036089	0.081500	0.032554	0.043341
	turkey oak	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	evergreen oaks	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	other broadleaves	0.063004	0.052651	0.042843	0.031425	0.038731	0.043759	0.040248	0.040002	0.090366	0.036127	0.047916
	conifers	0.086922	0.072572	0.058995	0.043227	0.053227	0.060088	0.055222	0.054833	0.123862	0.049475	0.065842
plantations	eucalyptuses coppices	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	other broadleaves coppices	0.832153	0.396270	0.264867	0.167979	0.094280	0.228399	0.269293	0.937098	0.160128	0.052171	0.340264
	poplars stands	1.714416	0.820108	0.551619	0.352224	0.199931	0.486558	0.575357	1.982495	0.340996	0.111933	0.713564
	other broadleaves stands	0.815203	0.386744	0.258413	0.164314	0.092042	0.222729	0.262438	0.905496	0.154865	0.050523	0.331277
	conifers stands	1.110435	0.527090	0.351123	0.222191	0.123715	0.298820	0.351861	1.230177	0.209175	0.067754	0.449234
	others	0.935728	0.444432	0.296983	0.188771	0.105692	0.255869	0.301663	1.044667	0.178478	0.058165	0.381045
stands		0.022082	0.019752	0.020069	0.027651	0.020916	0.023566	0.026028	0.023345	0.035962	0.018043	0.023742
coppices		0.067171	0.056121	0.045655	0.033479	0.041254	0.046603	0.042858	0.042588	0.096229	0.038465	0.051042
plantation		1.414850	0.680280	0.459591	0.294717	0.167378	0.408063	0.483446	1.672825	0.287986	0.094524	0.596366

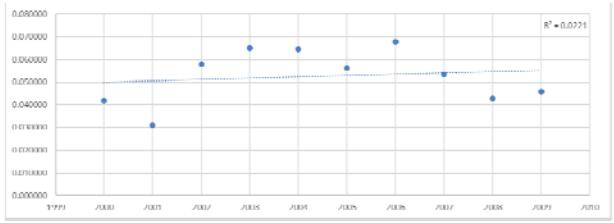
Stands Coppices Plantation

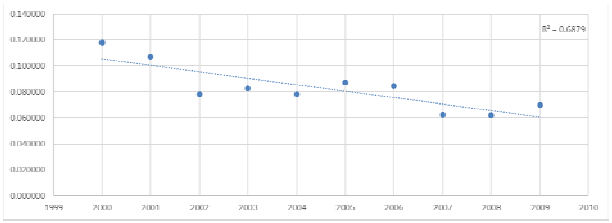


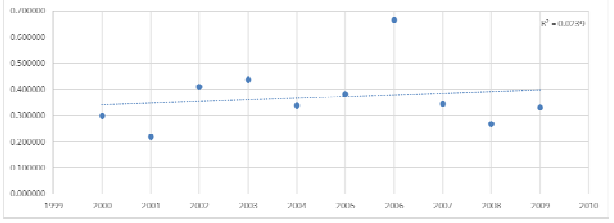
Harvesting ratios – Friuli Venezia Giulia

Lazio region inventory typology		2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	average $m^3\ tC^{-1}\ ha^{-1}\ yr^{-1}$
stands	norway spruce	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	silver fir	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	larches	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	mountain pines	0.054341	0.040332	0.075409	0.084625	0.084233	0.073106	0.088508	0.069627	0.055830	0.059719	0.068573
	mediterranean pines	0.041838	0.031060	0.058086	0.065191	0.064900	0.056336	0.068215	0.053668	0.043041	0.046046	0.052838
	other conifers	0.057948	0.042989	0.080346	0.090147	0.089704	0.077828	0.094201	0.074092	0.059391	0.063508	0.073015
	european beech	0.042072	0.031187	0.058247	0.065314	0.064952	0.056317	0.068123	0.053552	0.042900	0.045847	0.052851
	turkey oak	0.034937	0.025897	0.048367	0.054236	0.053935	0.046763	0.056565	0.044465	0.035619	0.038064	0.043885
	other oaks	0.036139	0.026803	0.050081	0.056165	0.055871	0.048463	0.058641	0.046108	0.036953	0.039508	0.045473
	other broadleaves	0.044291	0.032842	0.061357	0.068819	0.068456	0.059371	0.071836	0.056484	0.045260	0.048382	0.055710
coppices	european beech	0.113295	0.102615	0.074709	0.078756	0.074503	0.082961	0.080343	0.059192	0.058736	0.066057	0.079117
	sweet chestnut	0.140660	0.127603	0.093315	0.098544	0.093481	0.104238	0.101163	0.074600	0.074273	0.083694	0.099157
	hornbeams	0.110782	0.100311	0.073044	0.076996	0.072846	0.081117	0.078569	0.057888	0.057465	0.064646	0.077366
	other oaks	0.101584	0.092095	0.067145	0.070858	0.067113	0.074807	0.072529	0.053485	0.053145	0.059839	0.071260
	turkey oak	0.110289	0.099822	0.072705	0.076631	0.072513	0.080746	0.078225	0.057637	0.057244	0.064419	0.077023
	evergreen oaks	0.089807	0.081344	0.059226	0.062438	0.059069	0.065778	0.063706	0.046937	0.046579	0.052388	0.062727
	other broadleaves	0.112233	0.101821	0.074281	0.078433	0.074325	0.082888	0.080398	0.059313	0.058952	0.066395	0.078904
	conifers	0.155719	0.141158	0.102853	0.108511	0.102726	0.114472	0.110936	0.081786	0.081205	0.091381	0.109075
plantations	eucalyptuses coppices	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	other broadleaves coppices	0.241320	0.176473	0.330530	0.353487	0.272121	0.307190	0.534421	0.276117	0.212179	0.261257	0.296510
	poplars stands	0.515187	0.379930	0.704509	0.739762	0.575068	0.647505	1.105628	0.571235	0.452479	0.558972	0.625027
	other broadleaves stands	0.238021	0.173220	0.324405	0.347612	0.266526	0.299598	0.523439	0.269126	0.207681	0.254602	0.290423
	conifers stands	0.311683	0.227100	0.426236	0.457929	0.351707	0.396119	0.695166	0.358018	0.276407	0.339206	0.383957
	others	0.272571	0.198460	0.371590	0.398058	0.305307	0.343287	0.599625	0.308484	0.238235	0.292243	0.332786
stands		0.041711	0.030945	0.057841	0.064905	0.064594	0.056048	0.067847	0.053371	0.042786	0.045758	0.052581
coppices		0.118131	0.107173	0.078243	0.082609	0.078295	0.087291	0.084662	0.062431	0.062066	0.069885	0.083079
plantation		0.298880	0.218475	0.409198	0.438278	0.338074	0.381337	0.665977	0.344533	0.268292	0.330266	0.369331

Stands Coppices Plantation



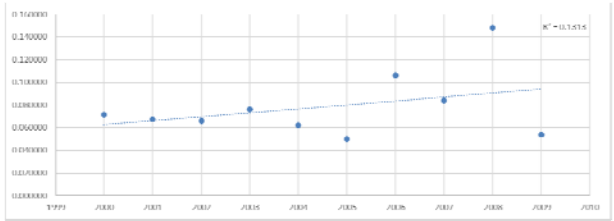


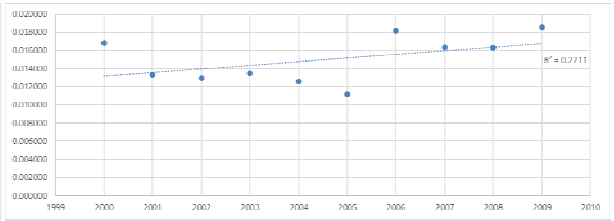


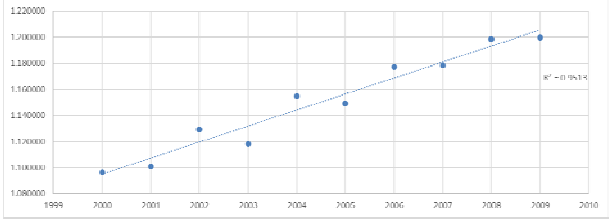
Harvesting ratios – Lazio

Liguria region inventory typology		2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	average $m^3\ tC^{-1}\ ha^{-1}\ yr^{-1}$
stands	norway spruce	0.104578	0.098669	0.096814	0.112127	0.091755	0.074272	0.158012	0.124733	0.220373	0.080436	0.116177
	silver fir	0.105951	0.099725	0.097624	0.112836	0.092151	0.074456	0.158131	0.124621	0.219842	0.080123	0.116546
	larches	0.076719	0.072297	0.070849	0.081975	0.067007	0.054190	0.115184	0.090847	0.160399	0.058495	0.084796
	mountain pines	0.087336	0.082169	0.080371	0.092904	0.075823	0.061258	0.130063	0.102476	0.180831	0.065872	0.095910
	mediterranean pines	0.065694	0.061894	0.060661	0.070151	0.057345	0.046361	0.098525	0.077693	0.137089	0.049997	0.072541
	other conifers	0.091124	0.085782	0.083986	0.097087	0.079298	0.064080	0.136110	0.107279	0.189272	0.068988	0.100301
	european beech	0.065429	0.061561	0.060236	0.069610	0.056826	0.045904	0.097464	0.076791	0.135454	0.049351	0.071863
	turkey oak	0.054629	0.051386	0.050272	0.058073	0.047400	0.038278	0.081254	0.064004	0.112855	0.041112	0.059926
	other oaks	0.056699	0.053363	0.052237	0.060369	0.049301	0.039830	0.084586	0.066657	0.117572	0.042849	0.062346
	other broadleaves	0.069813	0.065682	0.064269	0.074258	0.060620	0.048964	0.103954	0.081899	0.144437	0.052624	0.076652
coppices	european beech	0.014927	0.011814	0.011418	0.011877	0.011052	0.009829	0.015917	0.014277	0.014203	0.016194	0.013151
	sweet chestnut	0.018755	0.014866	0.014391	0.014989	0.013969	0.012439	0.020168	0.018104	0.018026	0.020569	0.016627
	hornbeams	0.014862	0.011763	0.011371	0.011829	0.011010	0.009793	0.015861	0.014224	0.014149	0.016130	0.013099
	other oaks	0.013731	0.010882	0.010534	0.010968	0.010222	0.009100	0.014751	0.013233	0.013171	0.015021	0.012161
	turkey oak	0.014861	0.011762	0.011369	0.011825	0.011006	0.009788	0.015851	0.014215	0.014139	0.016118	0.013093
	evergreen oaks	0.011974	0.009477	0.009161	0.009531	0.008870	0.007889	0.012777	0.011460	0.011400	0.012997	0.010554
	other broadleaves	0.015129	0.011998	0.011621	0.012108	0.011291	0.010058	0.016315	0.014646	0.014586	0.016645	0.013440
	conifers	0.020791	0.016466	0.015926	0.016576	0.015436	0.013736	0.022257	0.019971	0.019875	0.022669	0.018370
plantations	eucalyptuses coppices	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	other broadleaves coppices	0.900146	0.894500	0.907799	0.891359	0.915097	0.905446	0.911847	0.900091	0.914678	0.910332	0.905129
	poplars stands	1.800277	1.814523	1.827807	1.840216	1.851812	1.862635	1.872716	1.880941	1.888540	1.895539	1.853501
	other broadleaves stands	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	conifers stands	1.138711	1.109766	1.156353	1.070618	1.135792	1.063939	1.155443	1.144477	1.162503	1.131488	1.126909
	others	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
stands		0.071452	0.067222	0.065779	0.075998	0.062044	0.050113	0.106396	0.083824	0.147826	0.053861	0.078451
coppices		0.016817	0.013339	0.012922	0.013469	0.012561	0.011192	0.018159	0.016310	0.016249	0.018551	0.014957
plantation		1.096357	1.100991	1.129418	1.118097	1.154772	1.149343	1.177417	1.178233	1.198475	1.199549	1.150265

Stands Coppices Plantation



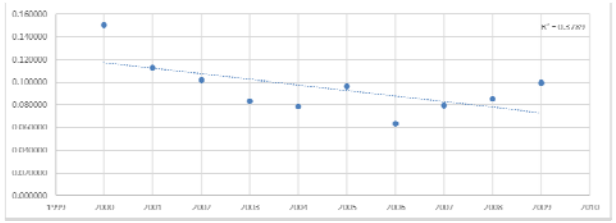


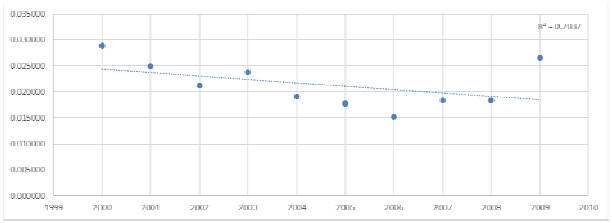


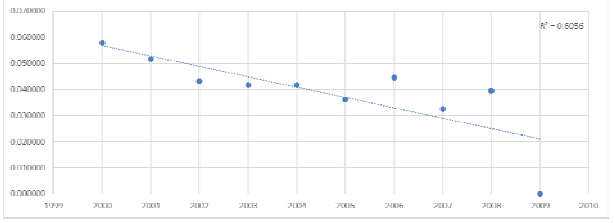
Harvesting ratios – Liguria

Lombardia region inventory typology		2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	average $m^3\ tC^{-1}\ ha^{-1}\ yr^{-1}$
stands	norway spruce	0.182618	0.136541	0.123670	0.101020	0.095226	0.117391	0.077232	0.096211	0.103632	0.121244	0.115479
	silver fir	0.176158	0.131703	0.119281	0.097429	0.091836	0.113205	0.074474	0.092770	0.099920	0.116896	0.111367
	larches	0.131086	0.098020	0.088787	0.072529	0.068372	0.084292	0.055456	0.069087	0.074419	0.087071	0.082912
	mountain pines	0.141028	0.105480	0.095568	0.078082	0.073618	0.090778	0.059730	0.074422	0.080179	0.093829	0.089271
	mediterranean pines	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	other conifers	0.147947	0.110694	0.100328	0.082014	0.077368	0.095437	0.062835	0.078328	0.084422	0.098824	0.093820
	european beech	0.106496	0.079644	0.072153	0.058950	0.055580	0.068531	0.045095	0.056187	0.060532	0.070833	0.067400
	turkey oak	0.088410	0.066108	0.059883	0.048924	0.046128	0.056872	0.037426	0.046632	0.050237	0.058781	0.055940
	other oaks	0.091274	0.068302	0.061916	0.050624	0.047766	0.058931	0.038809	0.048388	0.052162	0.061068	0.057924
	other broadleaves	0.113105	0.084588	0.076634	0.062617	0.059045	0.072807	0.047916	0.059708	0.064331	0.075281	0.071603
coppices	european beech	0.026564	0.022831	0.019463	0.021729	0.017425	0.016164	0.013851	0.016679	0.016622	0.024061	0.019539
	sweet chestnut	0.033125	0.028508	0.024333	0.027198	0.021837	0.020279	0.017395	0.020968	0.020916	0.030302	0.024486
	hornbeams	0.026341	0.022634	0.019290	0.021530	0.017263	0.016011	0.013718	0.016516	0.016457	0.023818	0.019358
	other oaks	0.024292	0.020884	0.017808	0.019886	0.015952	0.014801	0.012686	0.015280	0.015231	0.022052	0.017887
	turkey oak	0.026256	0.022562	0.019230	0.021465	0.017211	0.015963	0.013677	0.016468	0.016410	0.023751	0.019299
	evergreen oaks	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	other broadleaves	0.026861	0.023118	0.019734	0.022059	0.017712	0.016451	0.014113	0.017013	0.016972	0.024586	0.019862
	conifers	0.036853	0.031686	0.027022	0.030179	0.024210	0.022466	0.019257	0.023197	0.023124	0.033483	0.027148
plantations	eucalyptuses coppices	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	other broadleaves coppices	0.030077	0.026861	0.022470	0.021653	0.021649	0.018730	0.023077	0.016878	0.020464	0.000000	0.020186
	poplars stands	0.063419	0.056752	0.047462	0.045884	0.045933	0.039780	0.049071	0.035889	0.043567	0.000000	0.042776
	other broadleaves stands	0.028492	0.025366	0.021169	0.020362	0.020320	0.017564	0.021614	0.015786	0.019144	0.000000	0.018982
	conifers stands	0.037189	0.033149	0.027697	0.026672	0.026648	0.023059	0.028407	0.020770	0.025216	0.000000	0.024881
	others	0.032939	0.029342	0.024500	0.023578	0.023540	0.020356	0.025060	0.018311	0.022214	0.000000	0.021984
stands		0.150726	0.112606	0.101912	0.083182	0.078353	0.096521	0.063455	0.078994	0.085030	0.099416	0.095020
coppices		0.028950	0.024924	0.021282	0.023798	0.019115	0.017759	0.015241	0.018379	0.018341	0.026583	0.021437
plantation		0.057714	0.051647	0.043201	0.041744	0.041767	0.036154	0.044566	0.032571	0.039510	0.000000	0.038887

Stands Coppices Plantation



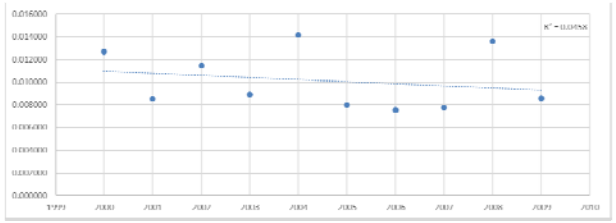


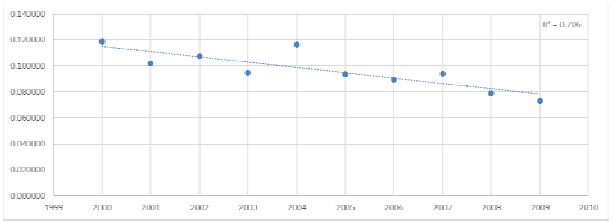


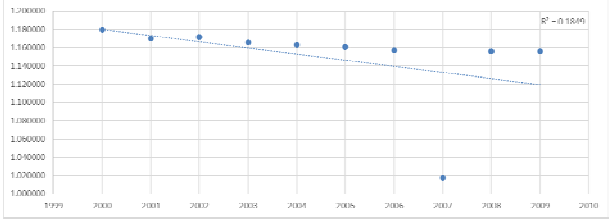
Harvesting ratios – Lombardia

Marche region inventory typology		2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	average $m^3\ tC^{-1}\ ha^{-1}\ yr^{-1}$
stands	norway spruce	0.019036	0.012803	0.017177	0.013315	0.021190	0.011931	0.011263	0.011605	0.020330	0.012794	0.015144
	silver fir	0.018277	0.012305	0.016523	0.012818	0.020413	0.011500	0.010862	0.011191	0.019616	0.012351	0.014586
	larches	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	mountain pines	0.015235	0.010251	0.013756	0.010665	0.016972	0.009556	0.009021	0.009284	0.016267	0.010238	0.012125
	mediterranean pines	0.011873	0.007980	0.010699	0.008289	0.013183	0.007419	0.007000	0.007202	0.012614	0.007937	0.009420
	other conifers	0.016408	0.011018	0.014760	0.011425	0.018158	0.010211	0.009629	0.009910	0.017343	0.010904	0.012977
	european beech	0.011883	0.007972	0.010670	0.008253	0.013106	0.007364	0.006939	0.007141	0.012487	0.007845	0.009366
	turkey oak	0.009784	0.006567	0.008792	0.006802	0.010805	0.006073	0.005724	0.005889	0.010302	0.006475	0.007721
	other oaks	0.010221	0.006863	0.009192	0.007115	0.011308	0.006359	0.005996	0.006168	0.010795	0.006788	0.008080
	other broadleaves	0.012478	0.008377	0.011219	0.008682	0.013795	0.007755	0.007311	0.007524	0.013164	0.008274	0.009858
coppices	european beech	0.124763	0.106816	0.112898	0.099167	0.121878	0.097982	0.093375	0.097979	0.082044	0.075952	0.101285
	sweet chestnut	0.154203	0.132209	0.139927	0.123064	0.151440	0.121888	0.116283	0.122137	0.102362	0.094836	0.125835
	hornbeams	0.120777	0.103486	0.109456	0.096226	0.118326	0.095207	0.090806	0.095366	0.079948	0.074092	0.098369
	other oaks	0.111893	0.095949	0.101556	0.089341	0.109920	0.088492	0.084444	0.088725	0.074414	0.068990	0.091372
	turkey oak	0.122367	0.104751	0.110700	0.097231	0.119480	0.096054	0.091540	0.096060	0.080455	0.074498	0.099314
	evergreen oaks	0.098554	0.084394	0.089216	0.078382	0.096349	0.077475	0.073848	0.077506	0.064918	0.060113	0.080076
	other broadleaves	0.122338	0.105046	0.111325	0.098040	0.120761	0.097307	0.092934	0.097718	0.082002	0.076067	0.100354
	conifers	0.170485	0.146142	0.154646	0.135990	0.167316	0.134649	0.128441	0.134894	0.113048	0.104732	0.139034
plantations	eucalyptuses coppices	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	other broadleaves coppices	0.939984	0.931289	0.927404	0.920626	0.918114	0.915310	0.912843	0.900873	0.914559	0.914833	0.919583
	poplars stands	1.981543	1.976503	1.972222	1.968575	1.965463	1.962807	1.960538	1.960857	1.961141	1.961395	1.967104
	other broadleaves stands	0.892760	0.879766	0.880174	0.873687	0.870821	0.869348	0.866607	0.718341	0.868684	0.869428	0.858962
	conifers stands	1.309635	1.280206	1.268386	1.246146	1.229698	1.216415	1.202858	0.989574	1.189606	1.185112	1.211764
	others	1.080758	1.064311	1.062544	1.051499	1.044336	1.038694	1.031616	0.851035	1.025139	1.022737	1.027267
stands		0.012676	0.008533	0.011457	0.008888	0.014154	0.007975	0.007533	0.007763	0.013610	0.008571	0.010116
coppices		0.118665	0.101728	0.107652	0.094682	0.116488	0.093765	0.089466	0.093992	0.078816	0.073063	0.096832
plantation		1.179336	1.169811	1.171820	1.165932	1.162847	1.160619	1.156953	1.017413	1.156324	1.156214	1.149727

Stands Coppices Plantation



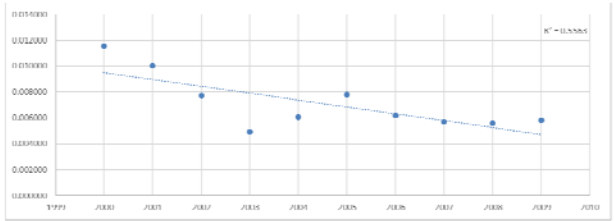


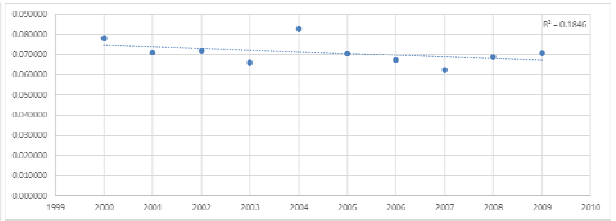


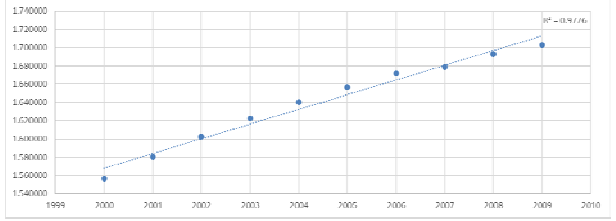
Harvesting ratios – Marche

Molise region inventory typology		2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	average $m^3\ tC^{-1}\ ha^{-1}\ yr^{-1}$
stands	norway spruce	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	silver fir	0.018905	0.016375	0.012606	0.008097	0.009922	0.012760	0.010070	0.009263	0.009119	0.009492	0.011661
	larches	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	mountain pines	0.015146	0.013130	0.010115	0.006502	0.007973	0.010260	0.008102	0.007455	0.007342	0.007645	0.009367
	mediterranean pines	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	other conifers	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	european beech	0.011592	0.010040	0.007729	0.004964	0.006083	0.007822	0.006173	0.005678	0.005590	0.005818	0.007149
	turkey oak	0.009564	0.008285	0.006379	0.004098	0.005022	0.006459	0.005097	0.004689	0.004617	0.004805	0.005902
	other oaks	0.010058	0.008715	0.006712	0.004313	0.005287	0.006801	0.005369	0.004937	0.004860	0.005058	0.006211
	other broadleaves	0.012246	0.010609	0.008168	0.005247	0.006431	0.008271	0.006528	0.006006	0.005914	0.006156	0.007558
coppices	european beech	0.082303	0.074702	0.075555	0.069367	0.087028	0.073888	0.070538	0.065529	0.072101	0.074118	0.074513
	sweet chestnut	0.101137	0.091920	0.093094	0.085585	0.107503	0.091385	0.087352	0.081218	0.089448	0.092036	0.092068
	hornbeams	0.079924	0.072570	0.073429	0.067448	0.084635	0.071883	0.068653	0.063756	0.070146	0.072107	0.072455
	other oaks	0.073548	0.066902	0.067804	0.062375	0.078351	0.066621	0.063696	0.059163	0.065120	0.066969	0.067055
	turkey oak	0.080237	0.072827	0.073662	0.067641	0.084848	0.072043	0.068790	0.063858	0.070237	0.072180	0.072632
	evergreen oaks	0.064929	0.058938	0.059618	0.054745	0.068685	0.058322	0.055686	0.051724	0.056908	0.058498	0.058805
	other broadleaves	0.080692	0.073432	0.074456	0.068524	0.086139	0.073284	0.070103	0.065194	0.071823	0.073924	0.073757
	conifers	0.112470	0.102174	0.103431	0.095043	0.119329	0.101391	0.096870	0.090035	0.099121	0.101950	0.102182
plantations	eucalyptuses coppices	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	other broadleaves coppices	0.903206	0.906932	0.911442	0.910725	0.911616	0.910473	0.912250	0.884770	0.904512	0.906810	0.906274
	poplars stands	1.792346	1.806118	1.818924	1.830859	1.841993	1.852377	1.862047	1.868970	1.875405	1.881376	1.843042
	other broadleaves stands	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	conifers stands	1.157120	1.158103	1.161024	1.161867	1.163216	1.163874	1.163835	1.146206	1.146679	1.154763	1.157669
	others	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
stands		0.011553	0.010009	0.007706	0.004951	0.006067	0.007804	0.006159	0.005666	0.005579	0.005808	0.007130
coppices		0.077990	0.070855	0.071732	0.065926	0.082758	0.070321	0.067193	0.062408	0.068678	0.070614	0.070848
plantation		1.556320	1.580342	1.602701	1.622150	1.640364	1.656697	1.672163	1.678870	1.692976	1.703245	1.640583

Stands Coppices Plantation



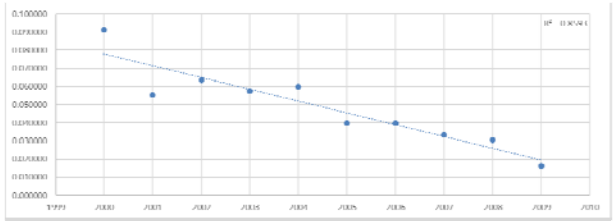


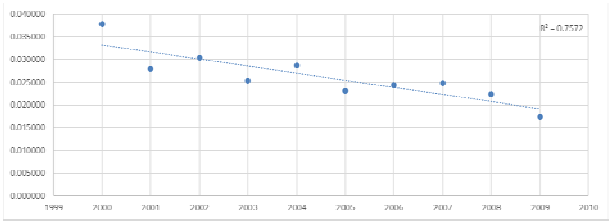


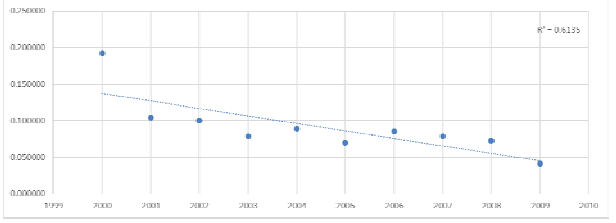
Harvesting ratios – Molise

	Piemonte region inventory typology	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	average $m^3\ tC^{-1}\ ha^{-1}\ yr^{-1}$
stands	norway spruce	0.129360	0.078293	0.090288	0.081333	0.084725	0.056419	0.056342	0.047216	0.043640	0.023009	0.069062
	silver fir	0.124954	0.075619	0.087196	0.078540	0.081808	0.054471	0.054392	0.045578	0.042122	0.022207	0.066689
	larches	0.093097	0.056345	0.064977	0.058533	0.060973	0.040600	0.040542	0.033971	0.031395	0.016550	0.049698
	mountain pines	0.100349	0.060741	0.070057	0.063117	0.065757	0.043788	0.043729	0.036642	0.033863	0.017851	0.053589
	mediterranean pines	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	other conifers	0.104818	0.063499	0.073290	0.066075	0.068886	0.045910	0.045885	0.038485	0.035601	0.018786	0.056124
	european beech	0.075832	0.045901	0.052938	0.047693	0.049686	0.033089	0.033046	0.027694	0.025598	0.013497	0.040497
	turkey oak	0.062786	0.038007	0.043836	0.039494	0.041147	0.027406	0.027375	0.022947	0.021216	0.011190	0.033540
	other oaks	0.065266	0.039531	0.045617	0.041119	0.042861	0.028563	0.028545	0.023942	0.022148	0.011688	0.034928
	other broadleaves	0.080329	0.048633	0.056099	0.050549	0.052671	0.035085	0.035048	0.029382	0.027166	0.014329	0.042929
coppices	european beech	0.034182	0.025238	0.027374	0.022770	0.025708	0.020739	0.021846	0.022125	0.019936	0.015481	0.023540
	sweet chestnut	0.042574	0.031490	0.034206	0.028495	0.032218	0.026027	0.027453	0.027843	0.025126	0.019541	0.029497
	hornbeams	0.033694	0.024886	0.026997	0.022461	0.025366	0.020469	0.021568	0.021853	0.019703	0.015310	0.023231
	other oaks	0.031037	0.022941	0.024904	0.020733	0.023428	0.018916	0.019941	0.020215	0.018233	0.014173	0.021452
	turkey oak	0.033778	0.024942	0.027051	0.022501	0.025406	0.020497	0.021593	0.021874	0.019717	0.015318	0.023268
	evergreen oaks	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	other broadleaves	0.034319	0.025393	0.027591	0.022990	0.026002	0.021011	0.022168	0.022491	0.020304	0.015798	0.023807
	conifers	0.047353	0.034989	0.037974	0.031607	0.035709	0.028825	0.030383	0.030792	0.027767	0.021580	0.032698
plantations	eucalyptuses coppices	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	other broadleaves coppices	0.109092	0.058816	0.056481	0.044376	0.049799	0.039284	0.048048	0.044334	0.041089	0.023408	0.051473
	poplars stands	0.231693	0.125762	0.120863	0.095038	0.107034	0.084310	0.103159	0.094939	0.088078	0.050127	0.110100
	other broadleaves stands	0.107229	0.057598	0.054936	0.042959	0.047977	0.037585	0.045788	0.041990	0.038779	0.021979	0.049682
	conifers stands	0.140570	0.075505	0.072020	0.056325	0.062917	0.049299	0.060079	0.055112	0.050916	0.028869	0.065161
	others	0.122880	0.066087	0.063106	0.049402	0.055228	0.043308	0.052804	0.048466	0.044797	0.025413	0.057149
	stands	0.091504	0.055358	0.063814	0.057463	0.059838	0.039832	0.039764	0.033312	0.030780	0.016224	0.048789
	coppices	0.037788	0.027959	0.030381	0.025317	0.028635	0.023140	0.024416	0.024771	0.022360	0.017395	0.026216
	plantation	0.192307	0.104467	0.100462	0.079037	0.088917	0.069968	0.085501	0.078574	0.072736	0.041290	0.091326

Stands Coppices Plantation



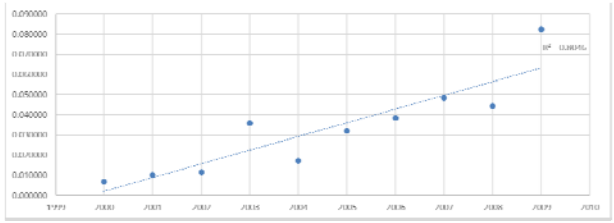


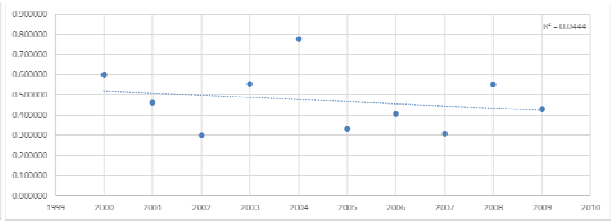


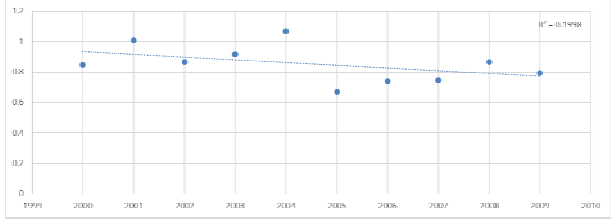
Harvesting ratios – Piemonte

	Puglia region inventory typology	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	average $m^3\ tC^{-1}\ ha^{-1}\ yr^{-1}$
stands	norway spruce	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	silver fir	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	larches	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	mountain pines	0.008737	0.013099	0.014871	0.046278	0.022188	0.041402	0.049864	0.062767	0.057496	0.107585	0.042429
	mediterranean pines	0.007063	0.010542	0.011916	0.036958	0.017664	0.032874	0.039502	0.049658	0.045415	0.084860	0.033645
	other conifers	0.008994	0.013493	0.015325	0.047729	0.022898	0.042760	0.051539	0.064971	0.059576	0.111595	0.043888
	european beech	0.006823	0.010180	0.011499	0.035656	0.017033	0.031691	0.038071	0.047915	0.043841	0.081967	0.032468
	turkey oak	0.005715	0.008529	0.009639	0.029893	0.014285	0.026582	0.031937	0.040147	0.036714	0.068596	0.027204
	other oaks	0.005984	0.008930	0.010091	0.031294	0.014953	0.027828	0.033436	0.042053	0.038468	0.071898	0.028494
	other broadleaves	0.007394	0.011027	0.012452	0.038598	0.018433	0.034284	0.041173	0.051782	0.047356	0.088490	0.035099
coppices	european beech	0.668661	0.515750	0.336031	0.621344	0.878470	0.372585	0.457663	0.344516	0.621019	0.482888	0.529893
	sweet chestnut	0.793192	0.608863	0.397732	0.731680	1.023723	0.436937	0.538581	0.406285	0.731472	0.572012	0.624048
	hornbeams	0.606729	0.464270	0.303687	0.556807	0.774219	0.331804	0.409670	0.309160	0.555485	0.435331	0.474716
	other oaks	0.578306	0.444284	0.289873	0.533772	0.748616	0.318812	0.392503	0.295893	0.532951	0.416189	0.455120
	turkey oak	0.621285	0.476053	0.310401	0.570334	0.798053	0.339950	0.418498	0.315441	0.568058	0.443716	0.486179
	evergreen oaks	0.506329	0.387890	0.252732	0.463882	0.647261	0.275635	0.339029	0.255214	0.458336	0.357925	0.394423
	other broadleaves	0.621897	0.478231	0.313246	0.577164	0.808382	0.345925	0.427240	0.322822	0.581958	0.455761	0.493263
	conifers	0.889823	0.685182	0.446985	0.825455	1.164547	0.495278	0.609800	0.460161	0.831732	0.649184	0.705815
plantations	eucalyptuses coppices	0.856448	0.895710	0.954637	0.948289	0.965127	0.956932	0.954553	0.782988	0.904799	0.959389	0.917887
	other broadleaves coppices	0.796518	0.833252	0.888257	0.882496	0.898284	0.890747	0.888603	0.729031	0.842535	0.893413	0.854314
	poplars stands	1.789775	1.803416	1.816091	1.827898	1.838909	1.849177	1.858742	1.866716	1.874117	1.880971	1.840581
	other broadleaves stands	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	conifers stands	1.102855	1.095671	1.152475	1.134387	1.149008	1.147946	1.155799	1.014857	1.084624	1.118583	1.115621
	others	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	stands	0.006857	0.010236	0.011571	0.035896	0.017158	0.031939	0.038385	0.048279	0.044168	0.082559	0.032705
	coppices	0.599773	0.460647	0.300723	0.553451	0.775080	0.330389	0.406911	0.306766	0.552147	0.431367	0.471725
	plantation	1.191614	1.233818	1.287591	1.302806	1.329845	1.343097	1.358473	1.290573	1.360591	1.397451	1.309586

Stands Coppices Plantation



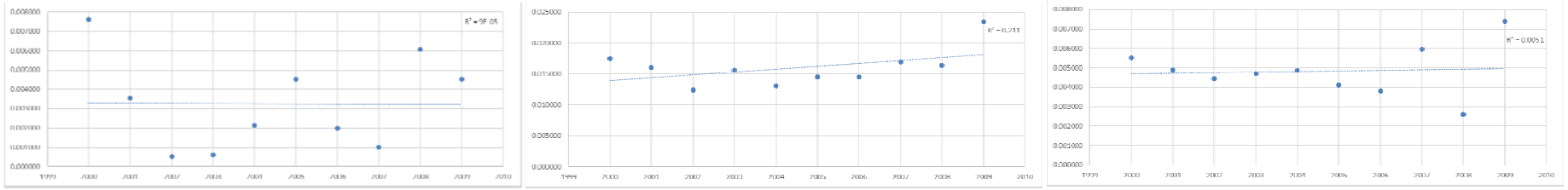




Harvesting ratios – Puglia

Sardegna region inventory typology		2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	average $m^3\ tC^{-1}\ ha^{-1}\ yr^{-1}$
stands	norway spruce	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	silver fir	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	larches	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	mountain pines	0.010423	0.004868	0.000706	0.000824	0.002938	0.006230	0.002727	0.001404	0.008381	0.006245	0.004475
	mediterranean pines	0.008146	0.003798	0.000550	0.000641	0.002282	0.004836	0.002115	0.001089	0.006494	0.004837	0.003479
	other conifers	0.011120	0.005183	0.000750	0.000874	0.003112	0.006591	0.002882	0.001483	0.008846	0.006588	0.004743
	european beech	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	turkey oak	0.006765	0.003147	0.000454	0.000529	0.001880	0.003976	0.001737	0.000893	0.005318	0.003956	0.002866
	other oaks	0.007142	0.003322	0.000480	0.000558	0.001983	0.004193	0.001831	0.000941	0.005604	0.004169	0.003022
	other broadleaves	0.008532	0.003974	0.000575	0.000669	0.002381	0.005040	0.002203	0.001133	0.006754	0.005028	0.003629
coppices	european beech	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	sweet chestnut	0.023103	0.021260	0.016515	0.020809	0.017321	0.019289	0.019280	0.022481	0.021794	0.031153	0.021300
	hornbeams	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	other oaks	0.016871	0.015460	0.011965	0.015027	0.012470	0.013851	0.013809	0.016065	0.015537	0.022182	0.015324
	turkey oak	0.018241	0.016726	0.012952	0.016273	0.013510	0.015012	0.014973	0.017425	0.016862	0.024074	0.016605
	evergreen oaks	0.014876	0.013624	0.010538	0.013228	0.010973	0.012182	0.012141	0.014120	0.013652	0.019484	0.013482
	other broadleaves	0.018464	0.016964	0.013160	0.016565	0.013775	0.015329	0.015312	0.017846	0.017291	0.024719	0.016943
	conifers	0.025812	0.023655	0.018308	0.022997	0.019087	0.021203	0.021143	0.024600	0.023797	0.033979	0.023458
plantations	eucalyptuses coppices	0.005224	0.004654	0.004281	0.004462	0.004697	0.003963	0.003657	0.005617	0.002511	0.007052	0.004612
	other broadleaves coppices	0.004869	0.004336	0.003988	0.004156	0.004374	0.003691	0.003405	0.005229	0.002337	0.006565	0.004295
	poplars stands	0.010519	0.009354	0.008581	0.008927	0.009393	0.007924	0.007317	0.011218	0.005031	0.014042	0.009231
	other broadleaves stands	0.004614	0.004093	0.003711	0.003922	0.004066	0.003432	0.003171	0.004991	0.002178	0.006177	0.004036
	conifers stands	0.006020	0.005346	0.004854	0.005135	0.005330	0.004504	0.004166	0.006563	0.002867	0.008137	0.005292
	others	0.005327	0.004728	0.004290	0.004536	0.004705	0.003974	0.003674	0.005782	0.002525	0.007160	0.004670
stands		0.007616	0.003550	0.000514	0.000599	0.002133	0.004517	0.001976	0.001017	0.006067	0.004519	0.003251
coppices		0.017444	0.016037	0.012448	0.015676	0.013042	0.014518	0.014506	0.016908	0.016383	0.023423	0.016039
plantation		0.005519	0.004897	0.004445	0.004693	0.004870	0.004111	0.003799	0.005970	0.002610	0.007394	0.004831

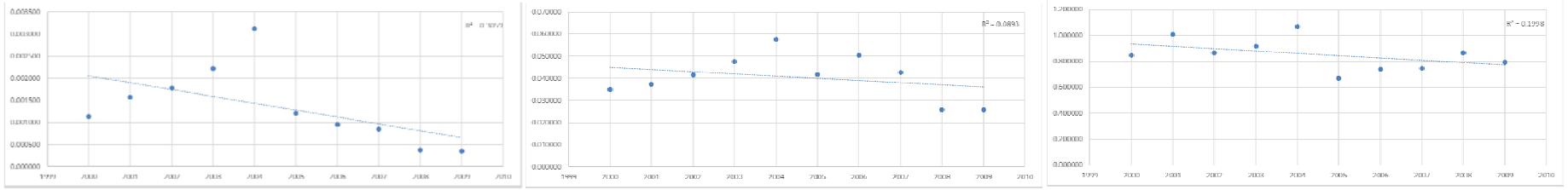
Stands Coppices Plantation



Harvesting ratios – Sardegna

Sicilia region inventory typology		2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	average $m^3\ tC^{-1}\ ha^{-1}\ yr^{-1}$
stands	norway spruce	0.001799	0.002503	0.002831	0.003544	0.005007	0.001926	0.001534	0.001363	0.000609	0.000569	0.002168
	silver fir	0.001812	0.002516	0.002840	0.003549	0.005006	0.001923	0.001529	0.001357	0.000605	0.000565	0.002170
	larches	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	mountain pines	0.001478	0.002053	0.002318	0.002897	0.004087	0.001570	0.001249	0.001108	0.000494	0.000461	0.001772
	mediterranean pines	0.001138	0.001581	0.001785	0.002232	0.003150	0.001210	0.000963	0.000854	0.000381	0.000356	0.001365
	other conifers	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	european beech	0.001133	0.001571	0.001772	0.002213	0.003120	0.001197	0.000952	0.000844	0.000376	0.000351	0.001353
	turkey oak	0.000943	0.001308	0.001476	0.001843	0.002597	0.000997	0.000792	0.000702	0.000313	0.000292	0.001126
	other oaks	0.000986	0.001368	0.001544	0.001928	0.002719	0.001044	0.000830	0.000736	0.000328	0.000306	0.001179
	other broadleaves	0.001202	0.001667	0.001881	0.002349	0.003312	0.001271	0.001010	0.000896	0.000400	0.000373	0.001436
coppices	european beech	0.034723	0.037036	0.041117	0.047187	0.057191	0.041311	0.049730	0.042141	0.025359	0.025430	0.040122
	sweet chestnut	0.042831	0.045748	0.050859	0.058443	0.070915	0.051290	0.061816	0.052419	0.031591	0.031726	0.049764
	hornbeams	0.034101	0.036364	0.040364	0.046313	0.056114	0.040528	0.048779	0.041312	0.024866	0.024940	0.039368
	other oaks	0.031424	0.033539	0.037258	0.042778	0.051854	0.037480	0.045136	0.038220	0.023033	0.023129	0.036385
	turkey oak	0.033982	0.036234	0.040217	0.046141	0.055899	0.040373	0.048591	0.041141	0.024769	0.024850	0.039220
	evergreen oaks	0.027440	0.029270	0.032498	0.037298	0.045207	0.032657	0.039315	0.033313	0.020050	0.020110	0.031716
	other broadleaves	0.034648	0.037008	0.041143	0.047273	0.057349	0.041475	0.049978	0.042361	0.025532	0.025642	0.040241
	conifers	0.047733	0.050944	0.056591	0.064983	0.078801	0.056952	0.068595	0.058149	0.035013	0.035130	0.055289
plantations	eucalyptuses coppices	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	other broadleaves coppices	0.705807	0.837697	0.720082	0.758195	0.877376	0.547228	0.601389	0.602400	0.694154	0.632918	0.697725
	poplars stands	1.406747	1.662603	1.439791	1.521657	1.761878	1.114448	1.236154	1.217752	1.446790	1.325835	1.413365
	other broadleaves stands	0.691383	0.812228	0.691417	0.724206	0.831393	0.518947	0.570096	0.571643	0.655631	0.597967	0.666491
	conifers stands	0.946406	1.126455	0.966857	1.021445	1.186292	0.737617	0.809032	0.811526	0.931011	0.846443	0.938308
	others	0.794690	0.938822	0.802615	0.844690	0.976301	0.608452	0.668327	0.670895	0.770400	0.702025	0.777722
stands		0.001133	0.001573	0.001775	0.002218	0.003128	0.001201	0.000955	0.000847	0.000378	0.000353	0.001356
coppices		0.034947	0.037312	0.041464	0.047629	0.057772	0.041770	0.050325	0.042662	0.025704	0.025806	0.040539
plantation		0.846440	1.006071	0.866974	0.918275	1.067673	0.671007	0.742020	0.746135	0.867020	0.793558	0.852517

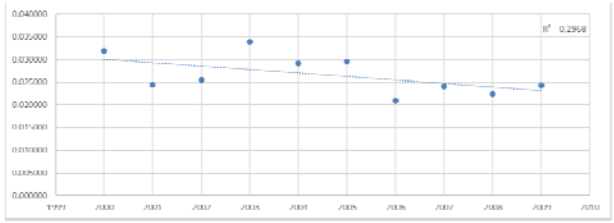
Stands Coppices Plantation

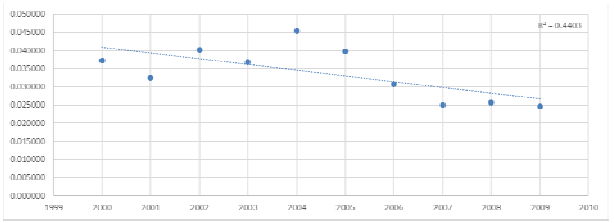


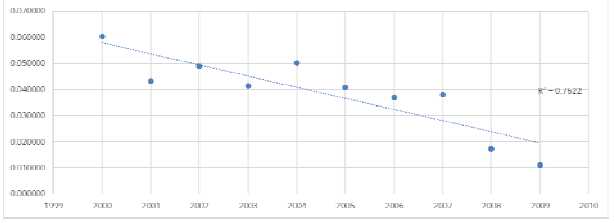
Harvesting ratios – Sicilia

Toscana region inventory typology		2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	average $m^3\ tC^{-1}\ ha^{-1}\ yr^{-1}$
stands	norway spruce	0.047849	0.036721	0.038396	0.051250	0.044027	0.044756	0.031704	0.036626	0.033938	0.037045	0.040231
	silver fir	0.048202	0.036917	0.038526	0.051335	0.044026	0.044685	0.031608	0.036464	0.033744	0.036788	0.040229
	larches	0.035047	0.026859	0.028046	0.037392	0.032084	0.032578	0.023052	0.026602	0.024624	0.026853	0.029314
	mountain pines	0.039452	0.030215	0.031532	0.042012	0.036030	0.036568	0.025866	0.029840	0.027614	0.030104	0.032923
	mediterranean pines	0.030560	0.023404	0.024423	0.032537	0.027903	0.028318	0.020031	0.023108	0.021384	0.023311	0.025498
	other conifers	0.042066	0.032201	0.033589	0.044739	0.038353	0.038911	0.027513	0.031728	0.029350	0.031988	0.035044
	european beech	0.030157	0.023076	0.024062	0.032040	0.027457	0.027848	0.019684	0.022692	0.020985	0.022865	0.025087
	turkey oak	0.025227	0.019299	0.020119	0.026784	0.022948	0.023269	0.016444	0.018953	0.017524	0.019090	0.020966
	other oaks	0.026375	0.020182	0.021045	0.028014	0.024007	0.024349	0.017213	0.019846	0.018356	0.019999	0.021939
	other broadleaves	0.032144	0.024596	0.025646	0.034148	0.029263	0.029679	0.020978	0.024183	0.022363	0.024366	0.026737
coppices	european beech	0.035303	0.030756	0.037912	0.034699	0.042738	0.037283	0.028768	0.023405	0.023929	0.022961	0.031775
	sweet chestnut	0.043688	0.038103	0.047017	0.043075	0.053105	0.046369	0.035812	0.029161	0.029838	0.028654	0.039482
	hornbeams	0.034639	0.030181	0.037206	0.034054	0.041945	0.036593	0.028240	0.022980	0.023499	0.022552	0.031189
	other oaks	0.031872	0.027792	0.034285	0.031402	0.038703	0.033785	0.026087	0.021239	0.021728	0.020862	0.028776
	turkey oak	0.034762	0.030281	0.037322	0.034154	0.042060	0.036687	0.028306	0.023028	0.023543	0.022589	0.031273
	evergreen oaks	0.027971	0.024370	0.030042	0.027498	0.033871	0.029550	0.022803	0.018553	0.018969	0.018203	0.025183
	other broadleaves	0.035207	0.030734	0.037953	0.034793	0.042919	0.037497	0.028979	0.023615	0.024181	0.023237	0.031911
	conifers	0.048519	0.042301	0.052179	0.047788	0.058897	0.051411	0.039693	0.032312	0.033053	0.031732	0.043788
plantations	eucalyptuses coppices	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	other broadleaves coppices	0.051997	0.037487	0.042382	0.035766	0.043645	0.035582	0.032178	0.033067	0.014988	0.009616	0.033671
	poplars stands	0.112318	0.080866	0.091266	0.076841	0.093809	0.076486	0.069168	0.071068	0.032265	0.020709	0.072480
	other broadleaves stands	0.049265	0.035430	0.039981	0.033857	0.041090	0.033492	0.030265	0.031061	0.014049	0.009038	0.031753
	conifers stands	0.064291	0.046290	0.052295	0.044331	0.053859	0.043946	0.039752	0.040839	0.018491	0.011908	0.041600
	others	0.056918	0.040952	0.046231	0.039160	0.047542	0.038766	0.035043	0.035979	0.016282	0.010479	0.036735
stands		0.031813	0.024373	0.025445	0.033915	0.029096	0.029542	0.020903	0.024123	0.022331	0.024353	0.026589
coppices		0.037245	0.032514	0.040157	0.036822	0.045435	0.039706	0.030693	0.025015	0.025620	0.024625	0.033783
plantation		0.060185	0.043276	0.048819	0.041308	0.050150	0.040865	0.036919	0.037882	0.017134	0.011017	0.038756

Stands Coppices Plantation



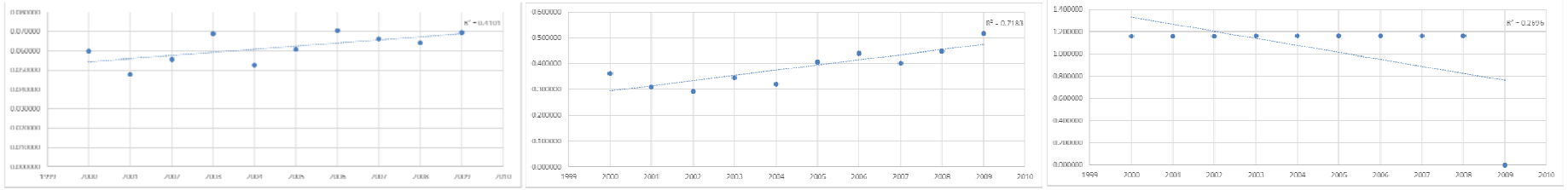




Harvesting ratios – Toscana

	Trentino province inventory typology	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	average $m^3\ tC^{-1}\ ha^{-1}\ yr^{-1}$
stands	norway spruce	0.068800	0.054858	0.064007	0.079304	0.060876	0.070115	0.081163	0.076448	0.074111	0.080384	0.071007
	silver fir	0.066193	0.052779	0.061580	0.076296	0.058567	0.067455	0.078083	0.073546	0.071296	0.077330	0.068313
	larches	0.049306	0.039316	0.045876	0.056841	0.043635	0.050260	0.058181	0.054804	0.053131	0.057631	0.050898
	mountain pines	0.052824	0.042131	0.049172	0.060942	0.046794	0.053911	0.062426	0.058821	0.057042	0.061892	0.054595
	mediterranean pines	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	other conifers	0.055687	0.044436	0.051884	0.064324	0.049411	0.056945	0.065956	0.062156	0.060286	0.065420	0.057650
	european beech	0.039931	0.031848	0.037171	0.046067	0.035372	0.040751	0.047185	0.044456	0.043108	0.046768	0.041266
	turkey oak	0.033215	0.026491	0.030917	0.038312	0.029417	0.033888	0.039235	0.036960	0.035835	0.038872	0.034314
	other oaks	0.034430	0.027482	0.032095	0.039798	0.030579	0.035248	0.040831	0.038481	0.037324	0.040504	0.035677
	other broadleaves	0.042452	0.033863	0.039525	0.048987	0.037618	0.043341	0.050185	0.047283	0.045849	0.049743	0.043885
coppices	european beech	0.347374	0.298743	0.281697	0.333621	0.309265	0.392375	0.427401	0.389986	0.436093	0.505372	0.372193
	sweet chestnut	0.424814	0.365634	0.345141	0.408911	0.379392	0.481229	0.523939	0.478129	0.534545	0.619025	0.456076
	hornbeams	0.332690	0.285671	0.269139	0.318079	0.294582	0.372533	0.404267	0.368000	0.410174	0.473081	0.352822
	other oaks	0.309043	0.265642	0.250480	0.296341	0.274658	0.347771	0.377899	0.344330	0.384236	0.443848	0.329425
	turkey oak	0.337049	0.289270	0.272338	0.321759	0.297796	0.376604	0.408729	0.371948	0.414536	0.478228	0.356826
	evergreen oaks	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	other broadleaves	0.340417	0.293011	0.276621	0.327705	0.304061	0.385560	0.419601	0.382807	0.427773	0.494975	0.365253
	conifers	0.478769	0.411671	0.388181	0.459608	0.426056	0.540318	0.588286	0.536726	0.600107	0.695370	0.512509
plantations	eucalyptuses coppices	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	other broadleaves coppices	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	poplars stands	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	other broadleaves stands	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	conifers stands	1.159408	1.161173	1.161660	1.163347	1.164084	1.164748	1.165262	1.163570	1.162947	0.000000	1.046620
	others	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	stands	0.059809	0.047656	0.055568	0.068802	0.052781	0.060753	0.070282	0.066159	0.064098	0.069483	0.061539
	coppices	0.360175	0.309593	0.291878	0.345362	0.320045	0.405386	0.440692	0.401565	0.448197	0.517977	0.384087
	plantation	1.159408	1.161173	1.161660	1.163347	1.164084	1.164748	1.165262	1.163570	1.162947	0.000000	1.046620

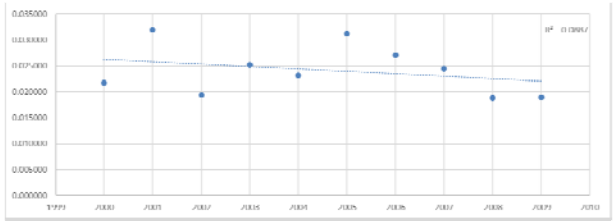
Stands Coppices Plantation

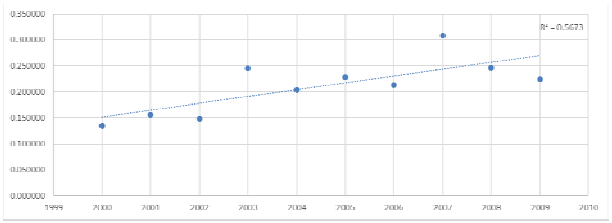


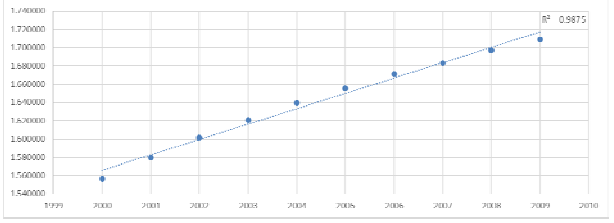
Harvesting ratios – Trentino

Umbria region inventory typology		2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	average $m^3\ tC^{-1}\ ha^{-1}\ yr^{-1}$
stands	norway spruce	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	silver fir	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	larches	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	mountain pines	0.026123	0.038447	0.023234	0.030257	0.027759	0.037434	0.032501	0.029280	0.022563	0.022631	0.029023
	mediterranean pines	0.020240	0.029787	0.018001	0.023441	0.021506	0.029000	0.025178	0.022681	0.017478	0.017530	0.022484
	other conifers	0.027883	0.041013	0.024768	0.032236	0.029559	0.039842	0.034576	0.031136	0.023984	0.024046	0.030904
	european beech	0.019985	0.029383	0.017736	0.023075	0.021150	0.028498	0.024722	0.022255	0.017137	0.017176	0.022112
	turkey oak	0.016725	0.024582	0.014835	0.019295	0.017682	0.023819	0.020659	0.018593	0.014314	0.014344	0.018485
	other oaks	0.017444	0.025652	0.015490	0.020157	0.018481	0.024906	0.021611	0.019458	0.014987	0.015025	0.019321
	other broadleaves	0.021315	0.031336	0.018915	0.024607	0.022554	0.030388	0.026362	0.023730	0.018272	0.018313	0.023579
coppices	european beech	0.141905	0.165244	0.156949	0.259259	0.215568	0.241108	0.224847	0.325322	0.259906	0.237498	0.222760
	sweet chestnut	0.175119	0.204236	0.194270	0.321439	0.267679	0.299868	0.280065	0.405989	0.324872	0.297295	0.277083
	hornbeams	0.137572	0.160215	0.152217	0.251169	0.208779	0.233381	0.217600	0.314296	0.251011	0.229411	0.215565
	other oaks	0.126229	0.147242	0.140124	0.231177	0.192316	0.215069	0.200688	0.289648	0.231483	0.211790	0.198577
	turkey oak	0.139158	0.161989	0.153817	0.253876	0.210985	0.235834	0.219827	0.317692	0.253668	0.231726	0.217857
	evergreen oaks	0.112348	0.130830	0.124269	0.205250	0.170653	0.190853	0.177972	0.257420	0.205632	0.187896	0.176312
	other broadleaves	0.139566	0.162884	0.155053	0.256437	0.213573	0.239217	0.223433	0.323535	0.258844	0.236898	0.220944
	conifers	0.194483	0.226719	0.215567	0.356499	0.296746	0.332281	0.310209	0.449445	0.359493	0.328854	0.307030
plantations	eucalyptuses coppices	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	other broadleaves coppices	0.907950	0.907230	0.910558	0.908972	0.911882	0.911057	0.912455	0.905540	0.912336	0.912779	0.910076
	poplars stands	1.791711	1.805450	1.818222	1.830125	1.841228	1.851581	1.861225	1.870056	1.878245	1.885816	1.843366
	other broadleaves stands	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	conifers stands	1.152081	1.152757	1.160978	1.158127	1.162055	1.160957	1.162735	1.157818	1.160954	1.163799	1.159226
	others	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
stands		0.021735	0.032010	0.019356	0.025223	0.023155	0.031244	0.027142	0.024465	0.018863	0.018929	0.024212
coppices		0.134073	0.156291	0.148628	0.245416	0.204151	0.228361	0.213059	0.307900	0.246037	0.224975	0.210889
plantation		1.556356	1.579284	1.601569	1.620673	1.639352	1.655650	1.671083	1.683467	1.697241	1.708804	1.641348

Stands Coppices Plantation



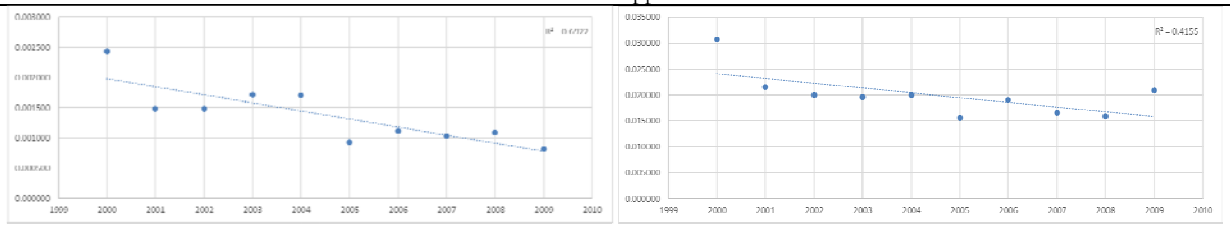




Harvesting ratios – Umbria

Valle_D'Aosta region inventory typology		2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	average $m^3\ tC^{-1}\ ha^{-1}\ yr^{-1}$
stands	norway spruce	0.003205	0.001955	0.001954	0.002256	0.002248	0.001223	0.001469	0.001364	0.001435	0.001078	0.001819
	silver fir	0.003086	0.001882	0.001882	0.002172	0.002164	0.001177	0.001414	0.001313	0.001381	0.001038	0.001751
	larches	0.002296	0.001401	0.001400	0.001616	0.001611	0.000876	0.001053	0.000978	0.001028	0.000773	0.001303
	mountain pines	0.002461	0.001501	0.001501	0.001733	0.001727	0.000940	0.001129	0.001049	0.001103	0.000829	0.001397
	mediterranean pines	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	other conifers	0.002596	0.001584	0.001585	0.001831	0.001826	0.000994	0.001195	0.001111	0.001169	0.000879	0.001477
	european beech	0.001876	0.001144	0.001144	0.001321	0.001317	0.000716	0.000861	0.000799	0.000841	0.000632	0.001065
	turkey oak	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	other oaks	0.001631	0.000995	0.000996	0.001150	0.001147	0.000624	0.000750	0.000697	0.000734	0.000551	0.000927
	other broadleaves	0.001991	0.001215	0.001215	0.001402	0.001398	0.000760	0.000914	0.000849	0.000893	0.000671	0.001131
coppices	european beech	0.026669	0.018646	0.017334	0.016954	0.017275	0.013434	0.016409	0.014238	0.013643	0.017907	0.017251
	sweet chestnut	0.033557	0.023491	0.021862	0.021398	0.021827	0.016991	0.020774	0.018047	0.017311	0.022743	0.021800
	hornbeams	0.026634	0.018617	0.017302	0.016914	0.017231	0.013397	0.016362	0.014198	0.013605	0.017857	0.017212
	other oaks	0.024590	0.017197	0.015990	0.015639	0.015939	0.012398	0.015147	0.013148	0.012603	0.016547	0.015920
	turkey oak	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	evergreen oaks	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	other broadleaves	0.027145	0.019006	0.017690	0.017313	0.017662	0.013750	0.016813	0.014610	0.014018	0.018419	0.017642
	conifers	0.037329	0.026109	0.024279	0.023751	0.024209	0.018832	0.023010	0.019975	0.019148	0.025142	0.024178
plantations	eucalyptuses coppices	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	other broadleaves coppices	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	poplars stands	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	other broadleaves stands	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	conifers stands	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	others	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
stands		0.002433	0.001483	0.001483	0.001711	0.001705	0.000927	0.001114	0.001035	0.001088	0.000817	0.001380
coppices		0.030732	0.021519	0.020032	0.019614	0.020012	0.015582	0.019056	0.016558	0.015887	0.020877	0.019987
plantation		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

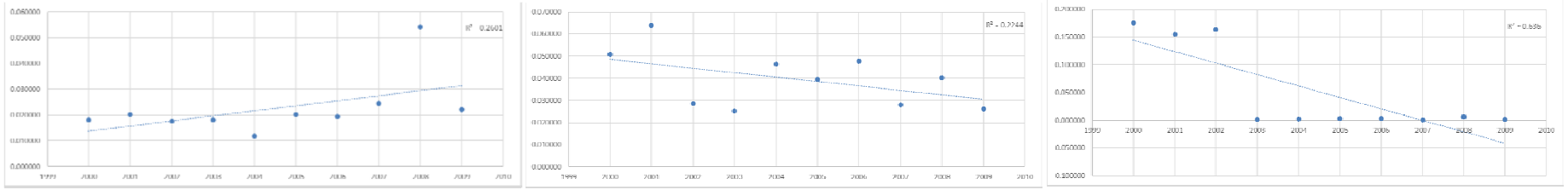
Stands Coppices



Harvesting ratios – Valle D'Aosta

Veneto region inventory typology		2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	average $m^3\ tC^{-1}\ ha^{-1}\ yr^{-1}$
stands	norway spruce	0.020649	0.023117	0.020166	0.020708	0.013526	0.023134	0.022274	0.028187	0.062250	0.025469	0.025948
	silver fir	0.019877	0.022252	0.019411	0.019933	0.013019	0.022267	0.021439	0.027130	0.059915	0.024514	0.024976
	larches	0.014800	0.016569	0.014455	0.014845	0.009696	0.016585	0.015969	0.020210	0.044634	0.018262	0.018603
	mountain pines	0.015861	0.017761	0.015497	0.015918	0.010399	0.017790	0.017132	0.021685	0.047902	0.019602	0.019955
	mediterranean pines	0.012123	0.013591	0.011873	0.012208	0.007984	0.013672	0.013178	0.016697	0.036906	0.015117	0.015335
	other conifers	0.016776	0.018793	0.016405	0.016856	0.011017	0.018853	0.018161	0.022996	0.050811	0.020800	0.021147
	european beech	0.012076	0.013521	0.011797	0.012116	0.007915	0.013538	0.013036	0.016499	0.036443	0.014912	0.015185
	turkey oak	0.010055	0.011257	0.009820	0.010085	0.006587	0.011267	0.010849	0.013730	0.030322	0.012407	0.012638
	other oaks	0.010479	0.011738	0.010245	0.010526	0.006879	0.011771	0.011338	0.014357	0.031714	0.012983	0.013203
	other broadleaves	0.012803	0.014337	0.012510	0.012850	0.008395	0.014362	0.013831	0.017508	0.038673	0.015827	0.016110
coppices	european beech	0.049027	0.061568	0.027499	0.024284	0.044582	0.037882	0.045896	0.026817	0.038536	0.024928	0.038102
	sweet chestnut	0.061384	0.077173	0.034518	0.030526	0.056102	0.047725	0.057876	0.033860	0.048711	0.031546	0.047942
	hornbeams	0.048851	0.061308	0.027377	0.024173	0.044363	0.037687	0.045643	0.026672	0.038326	0.024795	0.037920
	other oaks	0.045162	0.056711	0.025336	0.022381	0.041093	0.034923	0.042313	0.024733	0.035551	0.023005	0.035121
	turkey oak	0.048899	0.061367	0.027399	0.024190	0.044389	0.037706	0.045663	0.026679	0.038330	0.024793	0.037942
	evergreen oaks	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	other broadleaves	0.049680	0.062448	0.027933	0.024706	0.045403	0.038624	0.046836	0.027408	0.039432	0.025543	0.038801
	conifers	0.068783	0.086381	0.038589	0.034085	0.062582	0.053185	0.064442	0.037663	0.054133	0.035025	0.053487
plantations	eucalyptuses coppices	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	other broadleaves coppices	0.094646	0.083067	0.088080	0.000712	0.001099	0.001697	0.001575	0.000604	0.003422	0.001044	0.027595
	poplars stands	0.200463	0.176154	0.186744	0.001511	0.002337	0.003605	0.003344	0.001282	0.007262	0.002216	0.058492
	other broadleaves stands	0.091825	0.080266	0.084654	0.000680	0.001044	0.001602	0.001479	0.000565	0.003186	0.000969	0.026627
	conifers stands	0.119836	0.104852	0.110689	0.000890	0.001367	0.002099	0.001940	0.000741	0.004186	0.001275	0.034787
	others	0.105568	0.092337	0.097439	0.000783	0.001204	0.001849	0.001709	0.000653	0.003688	0.001123	0.030635
stands		0.018062	0.020207	0.017616	0.018078	0.011801	0.020171	0.019409	0.024548	0.054182	0.022156	0.022623
coppices		0.050826	0.063873	0.028557	0.025245	0.046383	0.039445	0.047822	0.027972	0.040231	0.026049	0.039640
plantation		0.175707	0.154604	0.164041	0.001327	0.002051	0.003162	0.002930	0.001122	0.006343	0.001932	0.051322

Stands Coppices Plantation



Harvesting ratios – Veneto

Appendix I

This appendix contains data in format tables of the aboveground biomass densities in the period 2000-2025 for each FMP of each region/province.

Abruzzo		2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025
inventory typology		*t C ha-1*																									
stands	norway spruce	4.2	4.5	4.8	5.1	5.5	5.8	6.2	6.4	6.9	7.3	7.8	8.3	8.8	9.3	9.9	10.4	11.0	11.6	12.2	12.8	13.4	14.0	14.7	15.3	16.0	16.6
	silver fir	38.4	39.3	40.4	41.5	42.6	43.7	44.9	45.1	46.4	47.7	49.3	51.0	52.6	54.3	55.9	57.6	59.3	60.9	62.6	64.2	65.8	67.5	69.1	70.7	72.3	73.9
	larches	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	mountain pines	65.6	67.1	68.8	70.4	72.1	73.7	75.7	75.8	77.7	79.7	82.2	84.6	87.0	89.5	92.0	94.3	96.7	99.0	101.3	103.6	105.8	107.9	110.0	112.1	114.2	116.2
	mediterranean pines	69.9	71.6	73.6	75.5	77.4	79.2	81.4	81.6	83.7	85.8	88.5	91.1	93.6	96.2	98.8	101.1	103.5	105.8	108.1	110.3	112.4	114.4	116.4	118.3	120.2	122.0
	other conifers	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	european beech	84.1	84.4	85.1	85.7	86.3	87.0	88.1	87.1	88.2	89.3	91.1	92.9	94.6	96.4	98.3	100.0	101.8	103.6	105.4	107.1	108.8	110.6	112.3	113.9	115.6	117.3
	turkey oak	70.7	70.7	70.9	71.1	71.3	71.6	72.2	71.0	71.6	72.3	73.5	74.6	75.7	76.9	78.0	79.1	80.3	81.4	82.5	83.6	84.7	85.7	86.8	87.8	88.8	89.8
	other oaks	56.6	56.9	57.5	58.0	58.4	58.9	59.7	59.0	59.7	60.5	61.6	62.7	63.8	64.8	65.8	66.7	67.6	68.5	69.3	70.1	70.8	71.4	72.1	72.6	73.2	73.7
	other broadleaves	53.4	53.7	54.3	54.9	55.5	56.1	57.0	56.4	57.3	58.2	59.5	60.8	62.1	63.4	64.8	66.1	67.4	68.7	70.0	71.4	72.7	74.0	75.2	76.5	77.8	79.1
coppices	european beech	47.3	46.8	46.3	45.7	45.0	44.6	44.3	43.2	43.3	43.4	43.7	44.0	44.2	44.4	44.7	44.9	45.2	45.4	45.6	45.8	46.0	46.2	46.4	46.6	46.8	47.0
	sweet chestnut	71.7	73.3	74.8	76.2	77.3	78.8	80.3	80.3	82.6	84.8	87.2	89.6	91.8	94.0	96.1	98.1	100.0	101.8	103.5	105.1	106.5	107.9	109.2	110.5	111.6	112.6
	hornbeams	24.8	24.6	24.4	24.1	23.8	23.6	23.5	23.0	23.1	23.2	23.4	23.6	23.8	24.0	24.1	24.3	24.4	24.6	24.7	24.8	25.0	25.1	25.2	25.3	25.4	25.5
	other oaks	31.9	32.0	32.2	32.2	32.1	32.2	32.4	32.0	32.4	32.9	33.4	33.9	34.3	34.7	35.1	35.4	35.7	36.0	36.3	36.5	36.7	36.9	37.1	37.3	37.4	37.5
	turkey oak	33.0	32.7	32.5	32.2	31.9	31.7	31.6	31.0	31.2	31.5	31.8	32.1	32.4	32.6	32.9	33.1	33.4	33.6	33.8	33.9	34.1	34.3	34.4	34.6	34.7	34.8
	evergreen oaks	42.9	42.6	42.4	42.0	41.6	41.4	41.3	40.4	40.7	41.0	41.4	41.9	42.2	42.6	43.0	43.4	43.8	44.1	44.4	44.8	45.1	45.4	45.7	46.0	46.3	46.6
	other broadleaves	45.9	46.6	47.3	47.8	48.2	48.8	49.4	49.1	50.2	51.2	52.4	53.5	54.4	55.4	56.4	57.2	58.0	58.7	59.4	60.0	60.6	61.2	61.7	62.1	62.6	63.0
	conifers	40.8	41.1	41.5	41.8	41.9	42.3	42.7	42.4	43.2	44.0	45.0	46.0	46.9	47.8	48.8	49.7	50.6	51.5	52.3	53.2	54.1	54.9	55.7	56.5	57.3	58.1
plantations	eucaliptuses coppices	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	other broadleaves coppices	19.1	16.7	15.4	14.1	12.5	12.5	12.3	11.9	11.4	11.2	10.9	10.6	10.3	10.1	9.9	9.8	9.6	9.5	9.4	9.4	9.3	9.3	9.2	9.2	9.2	9.1
	poplars stands	27.8	26.3	25.9	25.3	24.0	25.2	25.9	26.5	26.2	26.3	26.4	26.5	26.5	26.5	26.6	26.6	26.6	26.6	26.6	26.6	26.6	26.6	26.6	26.6	26.6	26.6
	other broadleaves stands	6.8	5.8	5.3	4.8	4.3	4.3	4.3	4.1	4.0	3.9	3.8	3.8	3.7	3.6	3.6	3.6	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5
	conifers stands	10.3	8.5	7.4	6.4	5.4	5.1	4.8	4.4	4.0	3.7	3.4	3.1	2.9	2.7	2.5	2.4	2.3	2.2	2.1	2.0	2.0	1.9	1.9	1.8	1.8	1.8
	others	20.2	17.4	15.8	14.2	12.5	12.4	12.1	11.5	11.0	10.8	10.3	9.9	9.5	9.2	9.0	8.8	8.6	8.5	8.3	8.2	8.1	8.0	8.0	7.9	7.9	7.8
protective	rupicolous forest	25.9	26.2	26.5	26.8	27.2	27.5	28.0	27.8	28.2	28.7	29.4	30.1	30.7	31.4	32.1	32.8	33.5	34.1	34.8	35.4	36.1	36.7	37.4	38.0	38.6	39.2
	riparian forest	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Alto_Adige		2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025
inventory typology		*t C ha-1*																									
stands	norway spruce	58.2	57.8	57.4	57.0	56.6	56.2	56.5	56.9	56.9	57.3	57.2	57.1	56.9	56.8	56.7	56.6	56.5	56.4	56.3	56.2	56.1	56.0	55.9	55.8	55.7	55.7
	silver fir	70.2	69.8	69.4	68.9	68.5	68.1	68.5	69.2	69.2	69.7	69.7	69.6	69.5	69.4	69.4	69.3	69.2	69.1	69.1	69.0	69.0	68.9	68.8	68.8	68.7	68.7
	larches	57.5	57.3	57.1	56.8	56.5	56.3	56.7	57.3	57.4	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.2
	mountain pines	69.7	70.6	71.6	72.5	73.4	74.3	76.1	78.2	79.6	81.7	83.0	84.4	85.8	87.1	88.5	89.9	91.3	92.7	94.1	95.5	96.9	98.3	99.7	101.1	102.5	103.9
	mediterranean pines	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	other conifers	45.6	46.5	47.3	48.0	48.8	49.6	50.9	52.4	53.5	54.9	55.9	56.8	57.8	58.7	59.6	60.5	61.3	62.2	63.1	63.9	64.7	65.5	66.3	67.1	67.9	68.7
	european beech	59.7	60.4	61.1	61.6	62.2	62.8	64.1	65.6	66.6	68.1	68.9	69.8	70.7	71.5	72.4	73.2	74.0	74.8	75.6	76.5	77.2	78.0	78.8	79.6	80.3	81.1
	turkey oak	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	other oaks	46.0	46.8	47.6	48.3	49.1	49.7	51.0	52.4	53.3	54.6	55.3	56.1	56.7	57.4	58.0	58.6	59.2	59.7	60.2	60.7	61.2	61.6	62.0	62.4	62.8	63.1
	other broadleaves	39.1	39.8	40.5	41.1	41.7	42.3	43.5	44.7	45.6	46.8	47.6	48.4	49.1	49.9	50.7	51.4	52.1	52.8	53.6	54.3	54.9	55.6	56.3	56.9	57.6	58.2
coppices	european beech	2.9	2.4	2.1	1.9	1.8	1.7	1.6	1.6	1.6	1.6	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5
	sweet chestnut	7.1	6.5	6.2	5.9	5.7	5.5	5.5	5.5	5.5	5.5	5.4	5.3	5.3	5.3	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2
	hornbeams	3.4	3.2	3.1	3.1	3.0	3.0	3.0	3.0	3.1	3.1	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0
	other oaks	3.6	3.3	3.2	3.1	3.0	3.0	3.0	3.0	3.0	3.0	3.0	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9
	turkey oak	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	evergreen oaks	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	other broadleaves	5.6	5.3	5.1	5.0	4.9	4.9	4.9	4.9	4.9	5.0	4.9	4.9	4.9	4.8	4.8	4.8	4.8	4.8	4.8	4.8	4.8	4.8	4.8	4.8	4.8	4.8
	conifers	2.6	2.2	1.9	1.7	1.5	1.3	1.3	1.2	1.1	1.1	1.0	1.0	0.9	0.9	0.9	0.9	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8
plantations	eucaliptuses coppices	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	other broadleaves coppices	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	poplars stands	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	other broadleaves stands	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	conifers stands	5.8	4.6	3.8	3.1	2.6	2.3	2.0	1.8	1.7	1.6	1.4	1.3	1.2	1.2	1.1	1.1	1.1	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
	others	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
protec	rupicolous forest	24.4	24.5	24.6	24.8	24.9	25.1	25.6	26.2	26.7	27.3	27.6	27.9	28.3	28.6	28.9	29.2	29.5	29.8	30.1	30.4	30.7	30.9	31.2	31.5	31.8	32.1
	riparian forest	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Basilicata		2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025
inventory typology		*t C ha-1*																									
stands	norway spruce	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	silver fir	30.7	31.4	32.2	33.0	33.8	34.7	35.5	35.9	36.5	37.2	38.3	39.3	40.2	41.3	42.4	43.5	44.6	45.7	46.8	47.9	49.0	50.0	51.1	52.1	53.2	54.2
	larches	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	mountain pines	52.4	53.4	54.7	56.0	57.3	58.5	59.7	60.3	61.2	62.2	63.9	65.3	66.6	68.2	69.9	71.5	73.1	74.6	76.2	77.7	79.2	80.6	82.1	83.5	84.9	86.3
	mediterranean pines	72.6	74.3	76.6	78.7	80.9	82.9	84.9	86.0	87.4	88.9	91.5	93.6	95.5	97.9	100.3	102.5	104.7	106.8	108.8	110.8	112.7	114.5	116.3	118.0	119.7	121.3
	other conifers	44.4	45.2	46.4	47.6	48.8	49.9	51.0	51.6	52.5	53.4	55.0	56.3	57.5	59.1	60.6	62.2	63.7	65.2	66.7	68.2	69.7	71.1	72.6	74.1	75.5	76.9
	european beech	85.5	85.7	86.5	87.3	88.1	88.8	89.5	89.3	89.5	90.0	91.4	92.5	93.3	94.7	96.2	97.5	98.9	100.2	101.5	102.7	104.0	105.2	106.4	107.6	108.8	109.9
	turkey oak	82.7	83.3	84.5	85.7	86.9	88.0	89.1	89.3	89.9	90.7	92.5	94.0	95.1	97.0	98.8	100.5	102.3	104.0	105.6	107.3	109.0	110.6	112.2	113.8	115.4	116.9
	other oaks	56.4	56.8	57.6	58.4	59.1	59.8	60.4	60.4	60.7	61.1	62.2	63.0	63.6	64.6	65.5	66.4	67.2	68.0	68.7	69.3	70.0	70.6	71.1	71.7	72.1	72.6
	other broadleaves	52.7	53.1	54.0	54.8	55.6	56.5	57.2	57.5	57.9	58.5	59.8	60.8	61.7	62.9	64.2	65.4	66.7	67.9	69.1	70.2	71.4	72.6	73.8	74.9	76.1	77.2
coppices	european beech	37.2	37.6	37.9	37.4	36.6	36.4	36.0	35.2	34.7	34.6	34.8	35.0	35.0	35.3	35.5	35.7	35.9	36.1	36.3	36.6	36.8	37.0	37.2	37.4	37.5	37.7
	sweet chestnut	59.9	62.1	64.2	65.0	65.1	66.2	66.8	66.8	67.2	68.3	70.2	71.8	73.1	74.8	76.6	78.0	79.5	81.0	82.5	83.9	85.3	86.6	87.9	89.1	90.3	91.5
	hornbeams	20.2	20.5	20.7	20.6	20.2	20.2	20.1	19.7	19.5	19.6	19.8	20.0	20.1	20.4	20.6	20.7	20.9	21.1	21.3	21.4	21.6	21.7	21.8	22.0	22.1	22.2
	other oaks	30.1	30.8	31.4	31.3	31.0	31.1	31.0	30.7	30.6	30.8	31.3	31.7	32.0	32.4	32.8	33.1	33.4	33.7	34.0	34.2	34.4	34.6	34.8	35.0	35.1	35.2
	turkey oak	35.2	35.8	36.3	36.0	35.4	35.4	35.1	34.5	34.2	34.3	34.8	35.1	35.3	35.7	36.1	36.4	36.8	37.1	37.4	37.7	38.0	38.3	38.5	38.8	39.0	39.3
	evergreen oaks	38.3	38.8	39.1	38.7	37.9	37.8	37.4	36.6	36.1	36.1	36.4	36.7	36.8	37.1	37.4	37.6	37.9	38.2	38.4	38.7	38.9	39.2	39.4	39.6	39.8	40.0
	other broadleaves	39.4	41.0	42.4	43.0	43.1	43.8	44.3	44.3	44.5	45.3	46.5	47.5	48.3	49.3	50.4	51.2	52.0	52.9	53.6	54.3	55.0	55.6	56.2	56.7	57.2	57.7
	conifers	31.2	32.2	33.1	33.4	33.4	33.8	34.1	33.9	34.0	34.5	35.4	36.2	36.8	37.6	38.5	39.2	40.0	40.8	41.5	42.3	43.0	43.7	44.5	45.2	45.8	46.5
plantations	eucaliptuses coppices	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	other broadleaves coppices	23.9	19.0	18.6	16.7	15.7	13.0	11.1	9.6	8.6	7.8	7.3	6.8	6.5	6.3	6.1	6.0	5.9	5.9	5.8	5.8	5.8	5.8	5.7	5.7	5.7	5.7
	poplars stands	28.6	25.2	26.7	26.1	26.2	23.5	21.5	20.0	18.8	17.8	17.5	17.3	17.1	16.9	16.7	16.6	16.5	16.4	16.3	16.3	16.2	16.1	16.1	16.1	16.0	16.0
	other broadleaves stands	8.4	6.6	6.3	5.6	5.2	4.4	3.8	3.4	3.1	2.9	2.7	2.6	2.5	2.5	2.5	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4
	conifers stands	13.7	10.4	9.7	8.4	7.4	5.8	4.6	3.8	3.1	2.6	2.2	1.8	1.6	1.4	1.3	1.2	1.2	1.1	1.1	1.1	1.0	1.0	1.0	1.0	1.0	1.0
	others	25.0	19.6	18.9	16.9	15.6	12.9	10.8	9.3	8.1	7.3	6.5	5.9	5.4	5.1	4.8	4.6	4.4	4.2	4.1	4.0	3.9	3.9	3.8	3.8	3.7	3.7
protec	rupicolous forest	31.2	31.7	32.4	33.0	33.7	34.3	34.9	35.2	35.6	36.1	37.0	37.8	38.5	39.4	40.3	41.1	42.0	42.8	43.6	44.4	45.2	46.0	46.7	47.5	48.2	48.9
	riparian forest	46.1	45.8	45.9	45.9	46.0	46.1	46.1	45.8	45.6	45.6	46.0	46.3	46.5	47.0	47.4	47.9	48.3	48.7	49.1	49.5	49.9	50.2	50.6	50.9	51.3	51.6

Calabria		2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025
inventory typology		*t C ha-1*																									
stands	norway spruce	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	silver fir	34.3	34.9	35.4	36.1	36.7	37.5	38.0	37.1	37.1	37.3	38.1	38.6	38.6	39.4	40.2	40.9	41.6	42.3	43.0	43.7	44.4	45.0	45.7	46.4	47.0	47.6
	larches	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	mountain pines	56.7	57.5	58.3	59.3	60.2	61.5	62.1	60.6	60.4	60.7	61.9	62.6	62.5	63.7	64.8	65.8	66.9	67.9	68.9	69.8	70.7	71.6	72.5	73.4	74.2	75.1
	mediterranean pines	72.6	74.3	76.0	77.8	79.6	81.8	83.1	81.5	81.6	82.5	84.5	85.9	86.0	87.9	89.8	91.4	93.2	94.7	96.2	97.6	99.0	100.4	101.7	102.9	104.1	105.2
	other conifers	44.5	45.3	46.2	47.1	48.1	49.3	50.0	48.9	48.9	49.4	50.5	51.3	51.3	52.5	53.5	54.6	55.7	56.7	57.7	58.6	59.6	60.6	61.5	62.4	63.3	64.2
	european beech	87.7	88.0	88.5	89.2	89.8	91.0	91.2	88.2	87.3	87.2	88.2	88.6	87.9	89.0	90.0	90.9	91.9	92.8	93.7	94.6	95.4	96.2	97.0	97.8	98.6	99.4
	turkey oak	78.6	79.2	79.9	80.8	81.6	82.9	83.3	80.9	80.2	80.3	81.5	82.1	81.6	82.8	84.0	85.0	86.2	87.2	88.2	89.1	90.1	91.0	91.9	92.9	93.7	94.6
	other oaks	56.8	57.1	57.5	58.0	58.5	59.2	59.4	57.5	57.0	57.0	57.7	58.1	57.6	58.4	59.1	59.7	60.3	60.9	61.4	61.9	62.3	62.8	63.2	63.6	63.9	64.3
	other broadleaves	53.6	54.0	54.4	55.0	55.5	56.4	56.7	55.0	54.5	54.6	55.4	55.8	55.4	56.2	57.0	57.7	58.5	59.2	59.9	60.5	61.2	61.8	62.5	63.1	63.7	64.3
coppices	european beech	43.4	43.4	43.4	43.3	43.0	43.1	42.6	40.5	39.2	39.3	39.5	39.3	38.5	38.9	39.2	39.2	39.0	39.1	39.3	39.4	39.6	39.7	39.8	40.0	40.1	40.2
	sweet chestnut	64.1	65.8	67.6	69.1	70.2	71.9	72.5	70.5	69.8	71.3	73.2	74.2	74.1	76.0	77.8	79.0	79.9	81.3	82.7	84.1	85.4	86.7	87.9	89.1	90.3	91.4
	hornbeams	20.2	20.4	20.6	20.7	20.7	20.9	20.7	19.9	19.4	19.6	19.9	20.0	19.7	20.0	20.3	20.4	20.5	20.7	20.8	21.0	21.2	21.3	21.5	21.6	21.7	21.9
	other oaks	28.5	29.2	29.8	30.3	30.6	31.1	31.1	30.1	29.7	30.2	30.8	31.1	30.9	31.5	32.0	32.3	32.5	32.8	33.2	33.4	33.7	34.0	34.2	34.4	34.6	34.8
	turkey oak	33.8	33.9	34.1	34.1	33.9	34.0	33.7	32.2	31.3	31.5	31.8	31.8	31.3	31.7	32.0	32.1	32.1	32.3	32.5	32.7	32.9	33.0	33.2	33.4	33.5	33.7
	evergreen oaks	42.6	42.6	42.7	42.7	42.4	42.5	42.1	40.1	38.9	39.0	39.4	39.2	38.5	39.0	39.3	39.4	39.3	39.5	39.7	39.9	40.1	40.3	40.5	40.6	40.8	41.0
	other broadleaves	39.2	40.5	41.8	43.0	43.8	45.0	45.6	44.4	44.1	45.2	46.4	47.2	47.1	48.4	49.6	50.3	50.8	51.7	52.5	53.3	54.0	54.7	55.3	55.9	56.4	56.9
	conifers	34.1	34.8	35.6	36.3	36.8	37.6	37.8	36.7	36.2	36.9	37.8	38.3	38.2	39.1	40.0	40.6	41.1	41.8	42.5	43.2	43.9	44.6	45.3	46.0	46.6	47.3
plantations	eucaliptuses coppices	68.0	68.5	69.1	69.8	70.2	71.1	70.9	68.6	68.5	69.3	70.8	71.4	71.0	72.3	73.1	73.3	73.2	73.6	73.8	74.0	74.2	74.2	74.3	74.3	74.4	74.4
	other broadleaves coppices	72.8	73.3	73.8	74.6	75.0	76.0	75.7	73.2	73.1	73.9	75.6	76.2	75.8	77.2	78.1	78.4	78.3	78.8	79.1	79.3	79.5	79.6	79.7	79.7	79.8	79.8
	poplars stands	43.1	43.1	43.1	43.1	43.1	43.2	42.9	42.7	42.7	42.8	43.3	43.6	43.7	43.7	43.8	43.8	43.8	43.8	43.8	43.8	43.8	43.8	43.8	43.8	43.8	43.8
	other broadleaves stands	40.7	41.2	41.7	42.3	42.9	44.0	44.4	43.4	43.7	44.4	45.7	46.7	47.1	48.4	49.7	50.9	52.2	53.5	54.7	55.9	57.1	58.3	59.5	60.7	61.8	63.0
	conifers stands	75.7	78.6	81.7	85.0	88.2	92.3	95.3	94.9	97.4	101.0	105.8	109.8	112.4	117.2	122.0	126.6	131.5	136.0	140.5	145.0	149.3	153.6	157.8	162.0	166.0	169.9
	others	104.5	105.8	107.3	109.0	110.5	113.2	114.3	111.6	112.4	114.2	117.5	119.8	120.5	123.7	126.6	129.4	132.3	134.9	137.4	139.8	142.2	144.4	146.6	148.8	150.8	152.8
protec	rupicolous forest	30.2	30.9	31.5	32.2	32.9	33.8	34.3	33.6	33.8	34.2	35.0	35.6	35.7	36.5	37.3	38.1	38.9	39.6	40.3	41.0	41.7	42.4	43.0	43.7	44.3	44.9
	riparian forest	44.8	44.8	44.9	45.1	45.2	45.6	45.5	43.9	43.4	43.3	43.7	43.8	43.3	43.7	44.1	44.5	44.9	45.2	45.5	45.8	46.1	46.4	46.7	47.0	47.2	47.5

Campania		2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025
inventory typology		*t C ha-1*																									
stands	norway spruce	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	silver fir	28.1	28.3	28.4	28.4	28.6	29.0	29.3	29.2	29.5	29.7	30.0	29.7	29.6	30.0	30.5	30.8	31.2	31.6	32.0	32.4	32.7	33.1	33.4	33.8	34.1	34.5
	larches	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	mountain pines	42.0	43.3	44.4	45.3	46.7	48.2	49.5	50.2	51.5	52.6	53.9	54.2	54.7	56.2	57.6	58.9	60.2	61.5	62.8	64.0	65.2	66.4	67.5	68.6	69.7	70.7
	mediterranean pines	53.8	55.1	56.2	57.2	58.6	60.2	61.6	62.2	63.5	64.6	66.0	66.2	66.5	68.0	69.5	70.8	72.2	73.5	74.8	76.0	77.1	78.3	79.3	80.4	81.4	82.3
	other conifers	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	european beech	68.6	68.1	67.5	66.8	66.6	66.8	66.7	65.9	65.8	65.6	65.8	64.6	63.8	64.1	64.5	64.8	65.1	65.4	65.7	65.9	66.2	66.5	66.8	67.0	67.3	67.5
	turkey oak	59.2	58.6	57.9	57.1	56.8	56.8	56.6	55.7	55.6	55.3	55.2	54.2	53.3	53.5	53.7	53.8	54.0	54.1	54.3	54.4	54.6	54.7	54.8	55.0	55.1	55.2
	other oaks	44.5	44.6	44.6	44.5	44.9	45.3	45.7	45.4	45.7	45.9	46.3	45.9	45.6	46.1	46.7	47.1	47.6	48.0	48.5	48.9	49.3	49.7	50.1	50.4	50.8	51.1
	other broadleaves	41.9	41.9	41.7	41.5	41.6	41.9	42.1	41.7	41.9	41.9	42.2	41.6	41.2	41.6	42.0	42.4	42.7	43.0	43.4	43.7	44.0	44.3	44.6	44.9	45.2	45.5
coppices	european beech	33.2	32.4	32.2	31.6	31.2	30.9	30.6	28.4	27.5	26.9	26.7	26.4	25.9	25.8	25.7	25.3	25.0	24.8	24.6	24.5	24.3	24.1	24.0	23.8	23.7	23.5
	sweet chestnut	51.1	51.6	53.1	53.6	54.7	55.7	56.6	54.1	53.9	54.1	55.2	56.0	56.6	57.7	58.8	59.1	59.7	60.5	61.2	62.0	62.7	63.4	64.0	64.6	65.2	65.8
	hornbeams	17.3	17.1	17.3	17.1	17.1	17.2	17.2	16.2	15.9	15.8	15.9	16.0	16.0	16.1	16.2	16.2	16.2	16.3	16.4	16.4	16.5	16.5	16.6	16.7	16.7	16.8
	other oaks	15.0	14.8	15.0	14.9	15.0	15.0	15.1	14.2	14.0	13.8	13.9	14.0	14.0	14.1	14.2	14.2	14.2	14.3	14.3	14.4	14.5	14.5	14.6	14.7	14.7	14.8
	turkey oak	26.6	26.1	26.3	26.0	25.9	25.9	25.9	24.3	23.8	23.5	23.6	23.6	23.6	23.7	23.9	23.7	23.7	23.8	23.8	23.9	23.9	24.0	24.1	24.1	24.2	24.2
	evergreen oaks	32.2	31.6	31.6	31.2	31.0	30.9	30.7	28.8	28.1	27.6	27.7	27.6	27.4	27.5	27.6	27.3	27.2	27.2	27.2	27.2	27.3	27.3	27.3	27.3	27.3	27.3
	other broadleaves	33.1	33.6	34.7	35.3	36.1	36.9	37.6	36.1	36.1	36.3	37.2	37.8	38.3	39.1	39.9	40.2	40.6	41.1	41.7	42.2	42.7	43.1	43.6	44.0	44.3	44.7
	conifers	27.2	27.2	27.8	27.9	28.2	28.6	28.9	27.5	27.2	27.1	27.5	27.8	27.9	28.4	28.8	28.9	29.0	29.3	29.6	29.9	30.2	30.5	30.8	31.0	31.3	31.5
plantations	eucaliptuses coppices	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	other broadleaves coppices	71.8	72.7	73.6	73.8	74.3	74.9	75.7	72.7	73.7	74.5	75.5	76.1	76.3	77.0	77.6	77.3	77.3	77.6	77.8	78.0	78.1	78.2	78.2	78.3	78.3	78.3
	poplars stands	42.7	42.8	42.8	42.8	42.8	42.8	43.0	42.9	43.0	43.1	43.3	43.3	43.4	43.4	43.4	43.4	43.4	43.4	43.4	43.4	43.4	43.4	43.4	43.4	43.4	43.4
	other broadleaves stands	39.4	40.1	40.8	41.4	42.0	42.8	43.7	43.6	44.1	44.3	45.1	45.1	45.1	46.1	47.0	47.8	48.7	49.5	50.4	51.2	52.1	52.9	53.7	54.5	55.3	56.1
	conifers stands	73.3	76.7	80.0	83.3	86.4	90.0	93.8	95.5	98.5	100.8	104.5	106.2	108.1	112.0	116.0	119.6	123.3	127.0	130.7	134.3	137.8	141.3	144.6	147.9	151.2	154.3
	others	101.5	103.6	105.5	107.3	108.8	110.8	113.1	112.8	114.0	114.5	116.5	116.2	116.3	118.6	120.8	122.7	124.6	126.5	128.3	130.1	131.8	133.4	134.9	136.4	137.9	139.3
protec	rupicolous forest	31.1	31.8	32.4	33.0	33.6	34.2	35.0	35.2	35.7	35.8	36.5	36.5	36.5	37.3	38.1	38.7	39.4	40.1	40.8	41.4	42.0	42.6	43.2	43.8	44.3	44.9
	riparian forest	45.1	45.1	45.2	45.2	45.2	45.3	45.6	45.2	45.1	44.6	44.9	44.3	43.9	44.3	44.7	45.0	45.3	45.7	46.0	46.3	46.6	46.9	47.2	47.5	47.8	48.1

Emilia_Romagna		2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025
inventory typology		*t C ha-1*																									
stands	norway spruce	4.0	4.3	4.6	4.9	5.2	5.6	6.0	6.4	6.8	7.2	7.7	8.2	8.7	9.2	9.7	10.3	10.8	11.4	12.0	12.6	13.2	13.8	14.4	15.0	15.7	16.3
	silver fir	22.8	23.9	25.0	26.1	27.1	28.2	29.6	31.0	32.4	33.8	35.4	37.0	38.5	40.2	41.8	43.4	45.0	46.6	48.3	49.9	51.5	53.1	54.7	56.3	57.9	59.5
	larches	2.4	2.5	2.6	2.8	2.9	3.1	3.3	3.5	3.7	3.9	4.1	4.3	4.6	4.8	5.1	5.4	5.6	5.9	6.2	6.6	6.9	7.2	7.5	7.9	8.3	8.6
	mountain pines	51.9	53.7	55.5	57.3	59.0	60.7	63.1	65.4	67.7	70.0	72.5	75.0	77.5	80.0	82.5	84.9	87.3	89.6	92.0	94.3	96.5	98.7	100.9	103.0	105.1	107.1
	mediterranean pines	65.3	67.3	69.2	71.0	72.8	74.5	77.1	79.5	81.9	84.2	86.9	89.5	92.0	94.5	96.9	99.3	101.6	103.9	106.0	108.1	110.2	112.2	114.1	115.9	117.7	119.5
	other conifers	36.8	37.8	38.7	39.7	40.5	41.5	42.8	44.2	45.6	46.9	48.5	50.0	51.6	53.1	54.7	56.3	57.8	59.4	61.0	62.5	64.1	65.6	67.1	68.7	70.2	71.7
	european beech	64.5	65.5	66.6	67.6	68.6	69.6	71.4	73.2	75.0	76.7	78.8	80.8	82.9	85.0	87.1	89.2	91.3	93.3	95.4	97.5	99.5	101.6	103.6	105.6	107.6	109.6
	turkey oak	56.5	56.8	57.1	57.5	57.8	58.1	59.1	60.0	60.9	61.8	63.0	64.1	65.2	66.3	67.5	68.6	69.7	70.8	71.9	72.9	74.0	75.0	76.0	77.0	78.0	79.0
	other oaks	49.4	50.1	50.8	51.5	52.1	52.7	53.9	55.0	56.1	57.1	58.3	59.5	60.6	61.8	62.8	63.8	64.8	65.7	66.6	67.4	68.2	69.0	69.7	70.3	70.9	71.5
	other broadleaves	45.2	45.7	46.3	46.9	47.5	48.1	49.2	50.2	51.3	52.4	53.7	54.9	56.2	57.5	58.8	60.0	61.3	62.6	63.8	65.1	66.3	67.6	68.8	70.0	71.3	72.5
coppices	european beech	46.6	46.4	46.3	46.3	46.3	46.2	46.6	46.8	47.1	47.4	47.9	48.3	48.8	49.2	49.6	50.0	50.4	50.7	51.0	51.3	51.6	51.9	52.2	52.4	52.7	52.9
	sweet chestnut	71.1	73.3	75.6	78.0	80.4	82.7	85.8	88.7	91.8	94.7	98.2	101.7	105.2	108.7	112.2	115.7	119.1	122.6	126.1	129.5	132.9	136.3	139.6	142.9	146.2	149.4
	hornbeams	26.0	25.9	25.9	25.9	25.9	25.9	26.1	26.3	26.5	26.7	27.0	27.3	27.5	27.8	28.1	28.3	28.6	28.8	29.1	29.3	29.5	29.7	29.9	30.1	30.3	30.5
	other oaks	30.6	30.9	31.3	31.7	32.1	32.4	33.0	33.6	34.2	34.7	35.4	36.2	36.9	37.5	38.2	38.9	39.5	40.1	40.8	41.4	42.0	42.5	43.1	43.7	44.2	44.7
	turkey oak	34.7	34.6	34.5	34.5	34.5	34.5	34.7	34.9	35.1	35.3	35.7	36.1	36.4	36.8	37.1	37.5	37.8	38.1	38.4	38.7	39.0	39.2	39.5	39.8	40.0	40.3
	evergreen oaks	33.4	33.8	34.3	34.8	35.3	35.8	36.5	37.3	38.0	38.7	39.6	40.5	41.4	42.3	43.1	44.0	44.8	45.7	46.5	47.3	48.0	48.8	49.6	50.3	51.0	51.7
	other broadleaves	48.3	49.3	50.3	51.4	52.3	53.2	54.5	55.7	56.8	57.8	59.1	60.3	61.4	62.5	63.5	64.4	65.2	66.0	66.7	67.4	68.0	68.5	69.0	69.5	69.9	70.3
	conifers	42.5	43.3	44.1	44.9	45.7	46.5	47.7	48.8	50.0	51.1	52.5	53.9	55.2	56.6	58.0	59.3	60.6	62.0	63.3	64.6	65.9	67.2	68.5	69.8	71.0	72.3
plantations	eucaliptuses coppices	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	other broadleaves coppices	68.5	69.4	69.8	70.0	70.1	70.4	71.2	72.9	74.3	75.5	76.7	77.7	78.4	78.9	79.3	79.6	79.8	79.9	80.0	80.1	80.2	80.2	80.2	80.3	80.3	80.3
	poplars stands	41.3	41.6	41.6	41.5	41.5	41.6	41.9	42.5	42.8	43.0	43.3	43.5	43.5	43.6	43.6	43.6	43.6	43.6	43.6	43.6	43.6	43.6	43.6	43.6	43.6	43.6
	other broadleaves stands	34.4	34.7	34.8	34.7	34.7	34.8	35.1	36.1	37.2	38.2	39.5	40.8	42.0	43.2	44.5	45.7	47.0	48.2	49.4	50.7	51.9	53.1	54.3	55.5	56.7	57.9
	conifers stands	64.1	66.4	68.3	70.0	71.7	73.5	76.0	79.8	83.8	87.9	92.5	97.1	101.6	106.3	111.0	115.7	120.3	125.0	129.6	134.1	138.6	143.1	147.5	151.8	156.0	160.1
	others	90.4	91.6	92.1	92.3	92.5	93.1	94.2	97.1	100.0	102.9	106.3	109.6	112.7	115.9	118.9	121.9	124.8	127.6	130.3	132.9	135.5	137.9	140.3	142.6	144.8	147.0
protec	rupicolous forest	30.5	31.1	31.6	32.2	32.7	33.3	34.1	34.8	35.6	36.3	37.3	38.2	39.1	40.0	40.9	41.7	42.6	43.5	44.3	45.1	45.9	46.7	47.5	48.3	49.0	49.8
	riparian forest	43.4	43.2	43.1	42.9	42.8	42.7	42.9	43.1	43.2	43.4	43.8	44.2	44.6	45.0	45.3	45.7	46.1	46.4	46.7	47.1	47.4	47.7	48.0	48.3	48.6	48.9

Friuli_Venezia_Giulia		2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025
inventory typology		*t C ha-1*																									
stands	norway spruce	54.8	54.5	54.3	53.7	53.5	53.3	53.2	53.3	53.1	53.2	53.5	53.8	54.0	54.2	54.5	54.7	55.0	55.2	55.4	55.6	55.8	56.0	56.2	56.4	56.6	56.8
	silver fir	74.2	73.8	73.4	72.5	72.2	71.8	71.6	71.6	71.3	71.4	71.7	72.0	72.2	72.3	72.7	72.9	73.2	73.5	73.7	73.9	74.1	74.3	74.5	74.7	74.9	75.1
	larches	56.5	56.4	56.2	55.7	55.6	55.5	55.6	55.7	55.6	55.8	56.2	56.6	56.9	57.2	57.6	57.9	58.3	58.6	58.9	59.2	59.5	59.8	60.1	60.3	60.6	60.9
	mountain pines	70.8	71.9	72.9	73.5	74.6	75.7	76.9	78.3	79.5	81.0	82.9	84.7	86.5	88.2	90.1	92.1	94.0	95.9	97.8	99.7	101.7	103.6	105.5	107.5	109.5	111.5
	mediterranean pines	77.7	79.4	81.0	82.0	83.6	85.0	86.7	88.4	89.8	91.6	93.6	95.6	97.4	99.1	100.9	102.6	104.3	105.9	107.3	108.8	110.2	111.5	112.8	114.0	115.2	116.3
	other conifers	47.4	48.3	49.1	49.6	50.5	51.3	52.3	53.3	54.1	55.3	56.5	57.8	59.0	60.1	61.3	62.6	63.8	65.0	66.1	67.2	68.3	69.4	70.5	71.6	72.7	73.7
	european beech	93.8	94.1	94.4	94.0	94.3	94.5	95.1	95.7	96.0	96.9	98.0	99.1	100.0	100.9	102.0	103.1	104.1	105.1	106.1	107.0	107.9	108.8	109.7	110.6	111.5	112.4
	turkey oak	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	other oaks	56.8	57.3	57.7	57.7	58.2	58.5	59.1	59.7	60.0	60.7	61.5	62.2	62.9	63.4	64.1	64.8	65.4	65.9	66.3	66.8	67.2	67.6	68.0	68.4	68.7	69.0
	other broadleaves	59.4	59.8	60.2	60.2	60.6	61.0	61.5	62.2	62.6	63.3	64.2	65.1	65.9	66.7	67.6	68.5	69.3	70.1	70.9	71.7	72.5	73.2	74.0	74.7	75.4	76.2
coppices	european beech	58.6	59.0	59.5	60.3	61.1	61.7	62.7	63.7	63.5	64.6	65.7	66.8	67.7	68.4	69.6	70.7	71.7	72.8	73.8	74.8	75.8	76.8	77.7	78.7	79.7	80.6
	sweet chestnut	68.5	70.1	71.9	73.8	75.7	77.4	79.5	81.6	82.1	84.2	86.4	88.4	90.2	91.7	93.7	95.6	97.4	99.1	100.8	102.4	103.9	105.4	106.8	108.2	109.6	110.9
	hornbeams	23.7	23.5	23.4	23.4	23.4	23.3	23.4	23.5	23.1	23.3	23.4	23.5	23.6	23.6	23.7	23.8	23.9	24.0	24.1	24.1	24.2	24.3	24.3	24.4	24.5	24.5
	other oaks	28.8	28.9	29.1	29.4	29.7	29.9	30.3	30.6	30.4	30.8	31.3	31.6	31.9	32.2	32.5	32.9	33.2	33.6	33.9	34.1	34.4	34.7	35.0	35.2	35.5	35.7
	turkey oak	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	evergreen oaks	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	other broadleaves	44.7	45.4	46.3	47.3	48.2	48.9	50.0	51.0	51.0	51.9	52.9	53.8	54.5	55.1	55.9	56.6	57.3	57.9	58.4	58.9	59.4	59.8	60.2	60.6	61.0	61.3
	conifers	39.7	40.1	40.6	41.3	41.9	42.4	43.2	44.0	43.9	44.7	45.6	46.4	47.1	47.6	48.4	49.2	50.0	50.7	51.4	52.1	52.8	53.5	54.1	54.8	55.4	56.0
plantations	eucaliptuses coppices	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	other broadleaves coppices	20.1	20.3	21.5	23.5	26.2	27.7	28.8	24.2	26.5	29.9	30.4	30.9	31.3	31.5	32.0	32.4	32.7	33.0	33.3	33.6	33.9	34.1	34.3	34.5	34.7	34.9
	poplars stands	25.4	26.6	28.9	32.3	36.4	38.6	40.4	34.3	37.7	42.6	43.3	44.0	44.5	45.0	45.5	45.8	46.2	46.5	46.7	46.9	47.1	47.3	47.4	47.5	47.7	47.7
	other broadleaves stands	7.3	7.2	7.4	7.9	8.6	8.8	9.0	7.4	8.0	8.8	8.8	8.8	8.7	8.7	8.7	8.7	8.6	8.6	8.6	8.6	8.6	8.6	8.6	8.5	8.5	8.5
	conifers stands	11.4	11.0	11.2	11.8	12.9	13.2	13.4	11.0	11.7	13.0	12.9	12.9	12.8	12.7	12.7	12.6	12.6	12.5	12.5	12.4	12.4	12.3	12.3	12.2	12.2	12.2
	others	21.9	21.7	22.6	24.1	26.5	27.4	28.1	23.3	25.1	28.1	28.1	28.2	28.2	28.2	28.3	28.4	28.4	28.4	28.5	28.5	28.5	28.5	28.5	28.5	28.5	28.6
protec	rupicolous forest	24.1	24.3	24.5	24.6	24.8	25.0	25.3	25.7	26.0	26.3	26.7	27.2	27.6	27.9	28.4	28.8	29.2	29.6	30.0	30.4	30.8	31.1	31.5	31.9	32.3	32.6
	riparian forest	44.2	44.1	43.9	43.6	43.5	43.5	43.6	43.7	43.8	44.0	44.3	44.6	44.9	45.1	45.4	45.7	46.0	46.3	46.5	46.8	47.0	47.2	47.5	47.7	47.9	48.1

Lazio		2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025
inventory typology		*t C ha-1*																									
stands	norway spruce	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	silver fir	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	larches	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	mountain pines	55.1	56.2	57.0	57.0	57.5	58.2	58.8	59.0	59.8	60.7	61.9	62.8	63.1	64.5	65.8	67.0	68.2	69.5	70.7	71.9	73.0	74.1	75.2	76.2	77.2	78.2
	mediterranean pines	60.5	61.8	62.8	62.9	63.6	64.5	65.1	65.5	66.5	67.5	68.9	69.9	70.2	71.8	73.3	74.7	76.0	77.4	78.7	80.0	81.2	82.3	83.5	84.5	85.6	86.6
	other conifers	35.9	36.4	36.7	36.6	36.7	37.0	37.2	37.2	37.6	38.0	38.7	39.1	39.2	40.0	40.7	41.4	42.1	42.8	43.5	44.2	44.9	45.6	46.2	46.9	47.5	48.1
	european beech	59.9	59.3	58.5	57.0	56.1	55.4	54.6	53.5	53.1	52.8	52.7	52.4	51.6	51.8	51.9	52.0	52.1	52.3	52.4	52.6	52.7	52.9	53.0	53.1	53.2	53.4
	turkey oak	53.0	52.4	51.5	50.1	49.2	48.5	47.7	46.7	46.2	45.8	45.7	45.4	44.6	44.7	44.7	44.7	44.8	44.8	44.9	44.9	45.0	45.0	45.1	45.1	45.2	45.2
	other oaks	46.0	46.3	46.3	45.8	45.6	45.7	45.6	45.3	45.5	45.7	46.2	46.5	46.3	46.9	47.5	48.0	48.6	49.1	49.7	50.2	50.6	51.1	51.6	52.0	52.4	52.8
	other broadleaves	43.4	43.5	43.3	42.7	42.4	42.3	42.1	41.7	41.7	41.8	42.1	42.3	42.0	42.5	42.9	43.3	43.7	44.2	44.6	45.0	45.4	45.8	46.2	46.6	47.0	47.4
coppices	european beech	33.7	32.9	32.7	32.1	31.8	31.4	31.2	30.8	30.9	30.9	31.1	31.2	31.4	31.6	31.9	32.0	32.1	32.4	32.6	32.9	33.1	33.4	33.6	33.8	34.0	34.2
	sweet chestnut	103.6	103.8	105.3	105.7	106.6	106.9	107.7	107.8	109.1	109.8	111.4	112.2	113.0	114.1	114.9	114.8	115.1	115.7	116.1	116.4	116.6	116.8	117.0	117.1	117.2	117.2
	hornbeams	18.1	17.8	17.8	17.6	17.5	17.4	17.3	17.2	17.3	17.4	17.6	17.7	17.9	18.1	18.3	18.4	18.5	18.7	18.9	19.1	19.2	19.4	19.5	19.7	19.8	19.9
	other oaks	23.8	23.8	24.1	24.2	24.5	24.6	24.9	25.0	25.4	25.8	26.3	26.7	27.2	27.7	28.2	28.4	28.7	29.1	29.5	29.8	30.1	30.4	30.6	30.8	31.0	31.2
	turkey oak	26.2	25.8	25.8	25.6	25.6	25.5	25.5	25.4	25.6	25.8	26.1	26.3	26.6	26.9	27.3	27.3	27.5	27.8	28.0	28.2	28.4	28.6	28.8	28.9	29.1	29.2
	evergreen oaks	32.0	31.3	31.1	30.7	30.4	30.1	29.9	29.6	29.7	29.7	30.0	30.1	30.3	30.6	31.0	31.0	31.2	31.5	31.8	32.0	32.3	32.6	32.8	33.0	33.3	33.5
	other broadleaves	34.3	34.6	35.4	35.9	36.6	37.1	37.7	38.2	39.1	39.8	40.9	41.8	42.7	43.8	44.8	45.4	46.2	47.1	47.9	48.7	49.4	50.1	50.8	51.4	52.0	52.5
	conifers	27.8	27.7	28.0	28.1	28.3	28.4	28.7	28.8	29.3	29.7	30.4	30.9	31.5	32.2	32.9	33.3	33.9	34.5	35.2	35.8	36.5	37.1	37.7	38.3	38.9	39.5
plantations	eucaliptuses coppices	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	other broadleaves coppices	49.8	50.6	48.9	46.8	46.4	45.4	41.6	41.2	42.2	42.5	42.6	42.5	42.5	42.7	42.9	42.8	42.8	43.0	43.1	43.3	43.4	43.6	43.7	43.8	43.9	44.0
	poplars stands	38.8	39.2	38.1	37.3	37.5	37.3	35.4	36.3	37.4	37.7	38.0	38.2	38.3	38.3	38.4	38.4	38.4	38.4	38.4	38.4	38.4	38.5	38.5	38.5	38.5	38.5
	other broadleaves stands	19.5	19.1	17.9	16.6	15.9	15.2	13.5	13.1	13.0	12.8	12.5	12.1	11.7	11.5	11.4	11.2	11.1	11.0	10.9	10.8	10.7	10.7	10.6	10.5	10.5	10.4
	conifers stands	35.4	35.6	34.1	32.1	31.4	30.4	27.3	26.6	26.7	26.4	26.0	25.4	24.6	24.4	24.1	23.9	23.6	23.4	23.2	23.0	22.8	22.6	22.5	22.3	22.2	22.0
	others	55.2	54.8	51.9	48.6	47.2	45.5	40.9	39.9	40.1	39.7	39.2	38.4	37.4	37.2	36.9	36.7	36.5	36.3	36.2	36.1	35.9	35.8	35.7	35.6	35.5	35.5
protec	rupicolous forest	24.0	24.1	24.4	24.4	24.6	24.8	25.1	25.1	25.3	25.5	25.9	26.2	26.3	26.8	27.3	27.7	28.2	28.7	29.1	29.6	30.1	30.5	31.0	31.4	31.9	32.3
	riparian forest	42.0	41.7	41.6	41.2	41.1	41.0	41.0	40.6	40.4	40.4	40.6	40.7	40.4	40.9	41.3	41.6	42.0	42.4	42.8	43.1	43.5	43.8	44.2	44.5	44.9	45.2

Liguria		2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025
inventory typology		*t C ha-1*																									
stands	norway spruce	3.1	3.3	3.6	3.7	3.9	4.1	4.3	4.5	4.6	4.8	5.1	5.3	5.5	5.8	6.1	6.3	6.6	6.9	7.2	7.4	7.7	8.0	8.3	8.5	8.8	9.1
	silver fir	31.9	32.2	33.0	32.8	33.4	33.4	33.4	33.6	33.2	33.6	34.3	34.6	35.1	35.7	36.3	36.8	37.4	37.9	38.4	38.9	39.3	39.8	40.2	40.7	41.1	41.5
	larches	1.9	2.0	2.1	2.2	2.2	2.3	2.4	2.4	2.5	2.6	2.7	2.8	2.9	3.0	3.1	3.2	3.3	3.4	3.5	3.6	3.8	3.9	4.0	4.1	4.2	4.4
	mountain pines	29.8	29.8	30.1	29.6	29.8	29.6	29.3	29.1	28.5	28.6	29.0	29.0	29.1	29.4	29.7	29.9	30.2	30.4	30.6	30.9	31.1	31.4	31.6	31.9	32.1	32.3
	mediterranean pines	50.0	51.2	52.9	53.2	54.7	55.2	55.7	56.4	56.2	57.4	59.0	59.9	61.0	62.4	63.8	64.8	66.1	67.2	68.3	69.3	70.3	71.2	72.1	73.0	73.8	74.6
	other conifers	27.5	27.9	28.7	28.6	29.2	29.3	29.4	29.6	29.4	29.8	30.5	30.9	31.4	32.0	32.7	33.1	33.7	34.3	34.8	35.3	35.8	36.3	36.8	37.3	37.7	38.2
	european beech	48.9	49.0	49.7	49.0	49.5	49.2	48.9	48.8	47.9	48.2	48.9	49.1	49.4	50.1	50.8	51.1	51.7	52.2	52.7	53.1	53.6	54.0	54.5	54.9	55.3	55.7
	turkey oak	40.9	40.6	41.0	40.1	40.3	39.8	39.2	39.0	38.1	38.1	38.5	38.4	38.5	38.8	39.1	39.2	39.5	39.7	39.9	40.0	40.2	40.4	40.6	40.7	40.9	41.0
	other oaks	35.3	35.5	36.3	36.0	36.5	36.5	36.4	36.5	36.0	36.4	37.1	37.4	37.8	38.4	39.0	39.4	40.0	40.4	40.9	41.3	41.7	42.1	42.5	42.9	43.3	43.6
	other broadleaves	34.4	34.4	34.8	34.3	34.5	34.2	33.9	33.8	33.2	33.4	33.8	33.8	34.0	34.4	34.8	35.0	35.4	35.6	35.9	36.2	36.4	36.7	36.9	37.2	37.4	37.6
coppices	european beech	64.3	65.4	66.8	67.8	69.4	70.8	71.8	72.6	73.8	74.8	76.5	78.2	79.8	81.5	83.2	84.8	86.3	87.7	89.1	90.3	91.4	92.4	93.2	93.9	94.5	94.9
	sweet chestnut	82.3	84.9	87.9	90.3	93.4	96.2	98.3	100.0	102.3	104.2	107.1	109.9	112.5	115.2	117.8	120.3	122.6	125.0	127.3	129.5	131.7	133.8	135.9	137.9	139.8	141.6
	hornbeams	27.0	27.1	27.3	27.4	27.7	27.9	27.9	27.8	27.9	27.9	28.2	28.4	28.6	28.9	29.1	29.3	29.5	29.7	29.9	30.1	30.3	30.4	30.6	30.8	30.9	31.1
	other oaks	33.8	34.3	34.9	35.2	35.8	36.3	36.5	36.5	36.8	37.0	37.4	37.8	38.2	38.6	38.9	39.2	39.4	39.7	39.9	40.1	40.3	40.4	40.6	40.7	40.9	41.0
	turkey oak	36.7	36.8	37.0	37.1	37.4	37.6	37.6	37.5	37.5	37.5	37.9	38.2	38.4	38.7	39.0	39.3	39.5	39.7	40.0	40.2	40.4	40.6	40.8	41.1	41.2	41.4
	evergreen oaks	50.1	50.4	51.0	51.2	51.9	52.4	52.6	52.6	52.9	53.0	53.7	54.3	54.8	55.5	56.1	56.6	57.2	57.7	58.2	58.7	59.3	59.8	60.2	60.7	61.2	61.7
	other broadleaves	49.9	51.3	52.8	53.9	55.4	56.7	57.5	58.1	59.0	59.7	60.9	61.9	62.9	63.9	64.8	65.5	66.2	66.9	67.5	68.1	68.6	69.1	69.5	69.9	70.3	70.6
	conifers	44.8	45.9	47.2	48.2	49.6	50.9	51.8	52.5	53.6	54.5	55.8	57.2	58.5	59.8	61.2	62.5	63.8	65.0	66.3	67.6	68.8	70.1	71.3	72.5	73.7	74.9
plantations	eucaliptuses coppices	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	other broadleaves coppices	5.8	5.8	5.9	5.9	5.9	5.9	5.8	5.8	5.8	5.8	5.8	5.9	5.9	5.9	5.9	5.9	5.9	5.9	5.9	5.9	6.0	6.0	6.0	6.0	6.0	6.0
	poplars stands	6.2	6.7	7.2	7.7	8.2	8.7	9.1	9.5	9.8	10.2	10.7	11.2	11.7	12.2	12.6	12.9	13.3	13.6	13.9	14.1	14.3	14.5	14.7	14.8	15.0	15.1
	other broadleaves stands	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	conifers stands	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2
	others	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
protec	rupicolous forest	29.2	29.9	30.9	31.2	32.0	32.2	33.0	33.7	34.5	35.1	36.2	37.0	37.9	39.0	40.1	41.0	42.1	43.1	44.1	45.0	46.0	47.0	47.9	48.9	49.8	50.7
	riparian forest	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Lombardia		2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025
inventory typology		*t C ha-1*																									
stands	norway spruce	35.7	35.2	34.7	34.5	34.3	33.9	34.0	33.8	33.6	33.3	33.2	33.0	32.9	32.8	32.7	32.6	32.5	32.4	32.3	32.2	32.1	32.0	31.9	31.8	31.7	31.6
	silver fir	51.9	51.0	50.2	49.7	49.3	48.7	48.6	48.3	47.9	47.4	47.1	46.8	46.5	46.2	46.0	45.7	45.5	45.2	45.0	44.8	44.6	44.4	44.2	44.0	43.8	43.6
	larches	37.4	36.9	36.4	36.2	36.1	35.7	35.8	35.7	35.5	35.2	35.0	34.9	34.8	34.7	34.6	34.4	34.4	34.3	34.2	34.1	34.0	33.9	33.8	33.7	33.6	33.5
	mountain pines	45.8	45.8	45.8	46.1	46.5	46.6	47.3	47.7	48.0	48.2	48.6	49.0	49.4	49.8	50.2	50.6	51.0	51.4	51.8	52.3	52.7	53.1	53.5	53.9	54.3	54.7
	mediterranean pines	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	other conifers	34.7	35.0	35.4	36.0	36.6	37.0	37.8	38.4	38.9	39.3	39.9	40.4	41.0	41.5	42.1	42.6	43.1	43.7	44.2	44.7	45.1	45.6	46.1	46.5	47.0	47.4
	european beech	53.7	53.4	53.1	53.3	53.5	53.4	53.9	54.1	54.2	54.2	54.4	54.6	54.8	55.0	55.2	55.4	55.6	55.8	56.0	56.2	56.4	56.6	56.7	56.9	57.1	57.3
	turkey oak	49.0	48.6	48.3	48.4	48.5	48.3	48.7	48.9	48.9	48.7	48.9	49.0	49.1	49.2	49.3	49.4	49.5	49.7	49.8	49.9	50.0	50.1	50.1	50.2	50.3	50.4
	other oaks	35.7	36.1	36.5	37.2	37.9	38.4	39.2	39.9	40.4	40.8	41.5	42.1	42.6	43.2	43.8	44.3	44.8	45.3	45.8	46.3	46.7	47.1	47.5	47.9	48.3	48.7
	other broadleaves	42.0	41.9	41.8	42.0	42.3	42.3	42.8	43.0	43.2	43.2	43.5	43.7	43.9	44.2	44.4	44.6	44.8	45.1	45.3	45.5	45.7	45.9	46.1	46.2	46.4	46.6
coppices	european beech	62.2	62.6	63.0	63.5	64.0	64.7	65.4	66.0	66.6	67.1	68.0	68.8	69.6	70.4	71.2	71.9	72.7	73.4	74.1	74.8	75.5	76.2	76.9	77.6	78.2	78.8
	sweet chestnut	81.5	83.9	86.2	88.6	91.0	93.5	96.2	98.6	101.0	103.1	105.8	108.4	111.0	113.5	116.0	118.2	120.5	122.7	124.8	126.9	128.9	130.9	132.8	134.6	136.4	138.1
	hornbeams	28.8	28.8	28.7	28.7	28.7	28.8	28.9	29.0	29.0	29.1	29.2	29.4	29.5	29.7	29.8	30.0	30.1	30.2	30.3	30.4	30.5	30.6	30.7	30.8	30.9	31.0
	other oaks	34.5	34.9	35.3	35.7	36.1	36.6	37.1	37.6	38.1	38.4	39.0	39.6	40.1	40.7	41.2	41.7	42.2	42.6	43.1	43.6	44.0	44.4	44.9	45.3	45.7	46.1
	turkey oak	36.5	36.5	36.5	36.5	36.6	36.7	36.9	37.0	37.2	37.2	37.5	37.7	38.0	38.2	38.4	38.6	38.8	39.0	39.2	39.4	39.5	39.7	39.9	40.0	40.2	40.3
	evergreen oaks	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	other broadleaves	52.8	53.8	54.8	55.8	56.8	57.8	58.8	59.7	60.5	61.2	62.1	63.0	63.8	64.6	65.3	65.9	66.5	67.0	67.5	68.0	68.4	68.7	69.1	69.4	69.7	69.9
	conifers	49.4	50.2	51.1	52.0	53.0	54.1	55.2	56.3	57.3	58.2	59.5	60.7	61.9	63.1	64.3	65.4	66.6	67.7	68.8	69.9	71.0	72.1	73.2	74.2	75.3	76.3
plantations	eucaliptuses coppices	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	other broadleaves coppices	73.2	74.2	75.0	75.7	76.3	76.8	77.2	77.6	77.8	78.5	79.3	79.8	80.2	80.5	80.7	80.8	80.9	81.0	81.0	81.1	81.1	81.1	81.1	81.1	81.1	81.1
	poplars stands	76.6	78.7	80.7	82.4	83.9	85.2	86.3	87.3	88.2	89.4	90.8	92.0	93.0	93.8	94.5	95.0	95.5	95.9	96.2	96.5	96.7	96.9	97.0	97.2	97.3	97.4
	other broadleaves stands	40.2	41.1	41.9	42.7	43.6	44.5	45.4	46.4	47.3	48.5	50.0	51.4	52.8	54.3	55.7	57.2	58.6	60.1	61.5	62.9	64.3	65.8	67.2	68.6	70.0	71.4
	conifers stands	74.8	78.5	82.1	85.8	89.6	93.5	97.4	101.5	105.4	110.0	115.2	120.3	125.4	130.6	135.7	140.7	145.8	150.8	155.7	160.5	165.2	169.9	174.4	178.9	183.2	187.4
	others	103.9	106.2	108.3	110.6	112.9	115.1	117.3	119.7	121.7	124.6	128.0	131.1	134.2	137.3	140.3	143.2	146.1	148.8	151.5	154.0	156.5	158.9	161.3	163.5	165.7	167.8
protec	rupicolous forest	25.0	25.3	25.5	25.8	26.0	26.3	26.6	26.8	27.1	27.4	27.8	28.1	28.5	28.8	29.2	29.6	29.9	30.3	30.6	31.0	31.3	31.6	32.0	32.3	32.6	33.0
	riparian forest	45.0	44.9	44.8	44.7	44.6	44.6	44.6	44.5	44.5	44.5	44.6	44.8	44.9	45.1	45.2	45.4	45.5	45.7	45.8	45.9	46.1	46.2	46.3	46.5	46.6	46.7

Marche		2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025
inventory typology		*t C ha-1*																									
stands	norway spruce	4.3	4.6	4.9	5.3	5.6	5.9	6.3	6.4	6.8	7.2	7.7	8.1	8.6	9.1	9.6	10.1	10.7	11.2	11.8	12.4	12.9	13.5	14.1	14.7	15.3	15.9
	silver fir	14.4	15.4	16.4	17.5	18.5	19.6	20.9	21.0	22.2	23.6	25.0	26.4	27.8	29.3	30.8	32.3	33.8	35.3	36.9	38.4	39.9	41.5	43.0	44.6	46.1	47.7
	larches	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	mountain pines	46.9	49.0	51.1	53.2	55.1	57.2	59.8	59.0	61.5	64.0	66.7	69.2	71.7	74.4	77.0	79.5	82.1	84.5	87.0	89.3	91.7	94.0	96.2	98.5	100.7	102.8
	mediterranean pines	56.5	58.4	60.4	62.5	64.4	66.4	69.1	67.8	70.2	72.8	75.6	78.0	80.6	83.2	85.8	88.3	90.8	93.2	95.5	97.7	99.9	102.0	104.1	106.1	108.0	109.9
	other conifers	30.4	31.3	32.2	33.2	34.1	35.1	36.5	35.7	37.0	38.4	39.8	41.2	42.6	44.1	45.6	47.1	48.6	50.1	51.6	53.1	54.6	56.0	57.5	59.0	60.4	61.9
	european beech	20.5	20.6	20.8	21.1	21.3	21.5	22.0	21.2	21.6	22.1	22.6	23.1	23.6	24.1	24.6	25.2	25.7	26.2	26.8	27.3	27.8	28.3	28.8	29.3	29.8	30.3
	turkey oak	40.6	41.2	41.9	42.5	43.2	43.9	45.1	43.6	44.7	45.9	47.1	48.2	49.4	50.7	52.0	53.2	54.4	55.7	56.9	58.0	59.2	60.4	61.5	62.7	63.8	64.9
	other oaks	39.4	40.3	41.2	42.2	43.0	44.0	45.3	44.1	45.4	46.7	48.2	49.4	50.8	52.1	53.5	54.8	56.0	57.2	58.4	59.5	60.6	61.6	62.6	63.5	64.4	65.2
	other broadleaves	31.5	32.1	32.9	33.7	34.4	35.2	36.3	35.4	36.4	37.6	38.8	39.9	41.1	42.4	43.6	44.9	46.1	47.4	48.6	49.8	51.0	52.3	53.5	54.7	55.9	57.1
coppices	european beech	26.0	25.7	25.4	25.2	24.8	24.7	24.9	24.9	25.1	25.5	25.9	26.3	26.7	27.0	27.4	27.8	28.1	28.5	28.8	29.1	29.4	29.7	30.0	30.2	30.5	30.8
	sweet chestnut	37.4	38.1	38.8	39.6	40.1	41.0	42.3	43.3	44.8	46.4	48.2	50.0	51.8	53.7	55.5	57.3	59.1	60.8	62.6	64.4	66.1	67.8	69.5	71.2	72.8	74.5
	hornbeams	13.8	13.8	13.8	13.9	13.8	13.9	14.2	14.3	14.6	14.9	15.3	15.6	15.9	16.2	16.5	16.8	17.0	17.3	17.5	17.7	17.9	18.1	18.3	18.4	18.6	18.7
	other oaks	12.6	12.7	12.8	13.0	13.0	13.2	13.5	13.7	14.0	14.3	14.7	15.1	15.4	15.8	16.1	16.4	16.7	16.9	17.2	17.4	17.6	17.9	18.1	18.2	18.4	18.6
	turkey oak	19.8	19.6	19.3	19.2	18.9	18.9	19.0	19.0	19.3	19.5	19.8	20.2	20.5	20.7	21.0	21.3	21.5	21.8	22.0	22.2	22.4	22.6	22.8	23.0	23.2	23.3
	evergreen oaks	23.5	23.3	23.1	23.1	22.8	22.8	23.1	23.2	23.5	23.9	24.3	24.8	25.2	25.7	26.1	26.5	26.9	27.2	27.6	28.0	28.3	28.6	28.9	29.2	29.5	29.8
	other broadleaves	25.7	26.4	27.1	28.0	28.5	29.3	30.4	31.3	32.4	33.6	35.0	36.2	37.5	38.7	39.8	40.9	42.0	43.0	44.0	44.9	45.8	46.6	47.4	48.1	48.8	49.4
	conifers	18.8	19.1	19.3	19.6	19.7	20.1	20.6	21.0	21.7	22.3	23.1	23.8	24.6	25.3	26.1	26.8	27.5	28.2	28.9	29.6	30.3	31.0	31.6	32.3	32.9	33.5
plantations	eucaliptuses coppices	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	other broadleaves coppices	6.3	6.1	6.0	5.9	5.8	5.7	5.8	5.8	5.8	5.8	5.8	5.8	5.9	5.9	5.9	5.9	5.9	5.9	5.9	5.9	5.9	5.9	5.9	5.9	5.9	5.9
	poplars stands	14.3	14.0	13.8	13.6	13.5	13.3	13.4	13.4	13.4	13.4	13.5	13.6	13.6	13.7	13.7	13.7	13.8	13.8	13.8	13.9	13.9	13.9	13.9	13.9	14.0	14.0
	other broadleaves stands	2.6	2.5	2.5	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5
	conifers stands	1.9	1.7	1.5	1.4	1.3	1.3	1.2	1.2	1.2	1.2	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
	others	5.9	5.4	5.1	4.8	4.6	4.4	4.3	4.3	4.2	4.1	4.1	4.0	4.0	3.9	3.9	3.9	3.9	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8
protec	rupicolous forest	24.9	25.1	25.4	25.7	26.0	26.3	26.8	25.8	26.4	26.9	27.5	28.1	28.7	29.3	29.9	30.5	31.1	31.7	32.3	32.9	33.4	34.0	34.6	35.1	35.6	36.1
	riparian forest	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Molise		2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025
inventory typology		*t C ha-1*																									
stands	norway spruce	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	silver fir	67.7	68.0	68.3	68.8	69.2	69.6	69.2	68.6	68.0	67.7	68.5	69.1	69.6	70.4	71.3	72.1	72.9	73.7	74.4	75.2	75.9	76.6	77.3	78.0	78.7	79.4
	larches	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	mountain pines	87.7	89.5	91.4	93.3	95.1	96.9	97.5	97.8	98.1	98.8	101.0	103.0	104.7	107.0	109.2	111.3	113.5	115.6	117.6	119.6	121.6	123.5	125.4	127.2	129.0	130.8
	mediterranean pines	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	other conifers	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	european beech	106.0	106.2	106.7	107.2	107.7	108.1	107.4	106.2	105.3	104.6	105.7	106.5	107.2	108.3	109.5	110.6	111.8	112.9	113.9	115.0	116.1	117.1	118.1	119.1	120.1	121.1
	turkey oak	96.7	97.4	98.2	99.1	99.9	100.7	100.3	99.6	99.0	98.7	100.1	101.2	102.1	103.5	104.9	106.3	107.7	109.0	110.2	111.5	112.7	113.9	115.1	116.3	117.4	118.6
	other oaks	62.8	63.3	63.8	64.3	64.8	65.3	65.0	64.5	64.1	63.9	64.8	65.4	66.0	66.8	67.6	68.3	69.0	69.7	70.3	70.8	71.3	71.8	72.3	72.7	73.1	73.5
	other broadleaves	64.3	65.0	65.8	66.6	67.4	68.1	68.1	67.8	67.6	67.6	68.7	69.7	70.5	71.7	72.8	74.0	75.2	76.3	77.4	78.5	79.7	80.7	81.8	82.9	84.0	85.0
coppices	european beech	35.4	35.1	34.8	34.6	34.1	33.9	33.3	32.5	31.9	31.4	31.4	31.4	31.4	31.4	31.5	31.4	31.4	31.4	31.4	31.4	31.4	31.4	31.4	31.4	31.4	31.4
	sweet chestnut	55.8	57.3	58.9	60.6	61.8	63.3	64.1	64.5	65.2	66.0	67.9	69.7	71.5	73.3	75.1	76.5	78.2	79.7	81.3	82.7	84.1	85.5	86.7	88.0	89.1	90.3
	hornbeams	18.2	18.2	18.2	18.3	18.3	18.3	18.2	18.0	17.8	17.7	17.9	18.1	18.3	18.4	18.6	18.7	18.9	19.0	19.1	19.2	19.3	19.5	19.6	19.6	19.7	19.8
	other oaks	27.0	27.5	27.9	28.3	28.5	28.8	28.8	28.6	28.6	28.6	29.1	29.6	30.0	30.4	30.7	30.9	31.2	31.5	31.7	31.9	32.1	32.3	32.5	32.6	32.7	32.8
	turkey oak	28.5	28.4	28.3	28.3	28.2	28.1	27.8	27.4	27.1	26.9	27.1	27.3	27.5	27.7	27.9	28.0	28.1	28.3	28.4	28.5	28.6	28.7	28.8	28.9	29.0	29.1
	evergreen oaks	33.6	33.5	33.4	33.4	33.2	33.2	32.8	32.2	31.8	31.5	31.7	31.9	32.1	32.3	32.5	32.6	32.8	32.9	33.1	33.3	33.4	33.5	33.7	33.8	33.9	34.0
	other broadleaves	32.8	33.9	35.0	36.1	36.9	37.8	38.4	38.6	39.1	39.5	40.7	41.7	42.7	43.7	44.7	45.5	46.3	47.1	47.9	48.6	49.2	49.8	50.4	51.0	51.5	52.0
	conifers	28.5	29.0	29.5	30.0	30.3	30.8	30.9	30.8	30.9	31.1	31.7	32.4	33.0	33.6	34.2	34.7	35.3	35.9	36.4	37.0	37.5	38.0	38.5	39.0	39.5	40.0
plantations	eucaliptuses coppices	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	other broadleaves coppices	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.6	5.6	5.6	5.7	5.8	5.8	5.9	5.9	5.9	5.9	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0
	poplars stands	5.8	6.3	6.8	7.3	7.8	8.2	8.5	8.8	9.1	9.4	10.0	10.6	11.2	11.7	12.2	12.6	13.0	13.4	13.7	14.0	14.3	14.5	14.8	14.9	15.1	15.2
	other broadleaves stands	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	conifers stands	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
	others	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
protec	rupicolous forest	29.5	30.0	30.5	31.0	31.4	31.9	32.0	31.9	31.9	32.0	32.6	33.1	33.6	34.2	34.8	35.4	36.0	36.6	37.1	37.7	38.2	38.7	39.2	39.7	40.2	40.7
	riparian forest	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Piemonte		2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025
inventory typology		*t C ha-1*																									
stands	norway spruce	26.4	26.4	26.3	26.2	26.2	26.3	26.6	26.9	27.3	27.7	28.4	29.0	29.6	30.1	30.8	31.3	31.9	32.5	33.1	33.7	34.2	34.8	35.4	36.0	36.5	37.1
	silver fir	40.5	40.3	40.0	39.7	39.5	39.5	39.8	40.1	40.5	41.1	41.8	42.6	43.3	44.1	44.8	45.5	46.2	47.0	47.7	48.4	49.1	49.8	50.5	51.2	51.9	52.6
	larches	28.9	28.8	28.7	28.5	28.4	28.5	28.8	29.1	29.4	29.9	30.5	31.2	31.8	32.4	33.0	33.7	34.3	34.9	35.5	36.2	36.8	37.4	38.1	38.7	39.3	40.0
	mountain pines	34.2	34.5	34.7	34.9	35.2	35.7	36.4	37.2	38.0	39.1	40.3	41.6	42.9	44.2	45.6	47.0	48.4	49.9	51.3	52.9	54.4	56.0	57.6	59.2	60.9	62.6
	mediterranean pines	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	other conifers	28.9	29.5	30.1	30.7	31.3	32.1	33.1	34.1	35.1	36.4	37.8	39.2	40.6	42.0	43.4	44.8	46.2	47.6	49.0	50.4	51.8	53.2	54.6	56.0	57.3	58.7
	european beech	48.9	49.0	49.1	49.1	49.2	49.6	50.4	51.2	52.0	53.2	54.5	55.9	57.3	58.6	60.1	61.4	62.8	64.2	65.6	67.0	68.4	69.7	71.1	72.5	73.9	75.3
	turkey oak	42.1	42.3	42.3	42.4	42.5	42.9	43.5	44.2	45.0	45.9	47.1	48.2	49.3	50.4	51.6	52.6	53.7	54.7	55.8	56.8	57.8	58.8	59.8	60.8	61.8	62.8
	other oaks	37.4	38.0	38.4	38.9	39.4	40.2	41.2	42.2	43.2	44.5	45.9	47.3	48.6	49.9	51.3	52.5	53.7	54.9	56.0	57.1	58.2	59.2	60.2	61.1	62.0	62.9
	other broadleaves	36.6	36.9	37.1	37.3	37.5	38.0	38.7	39.5	40.3	41.3	42.4	43.6	44.8	45.9	47.1	48.2	49.3	50.4	51.6	52.7	53.8	54.9	56.0	57.1	58.2	59.3
coppices	european beech	50.6	51.1	51.5	51.9	52.4	52.9	53.8	54.6	55.6	56.7	58.1	59.6	61.0	62.5	64.0	65.4	66.9	68.4	70.0	71.6	73.2	74.8	76.4	78.1	79.7	81.3
	sweet chestnut	67.5	69.8	71.8	73.8	75.9	78.0	80.6	83.0	85.6	88.4	91.5	94.6	97.5	100.5	103.4	106.0	108.8	111.4	114.0	116.6	119.0	121.4	123.8	126.1	128.3	130.4
	hornbeams	21.5	21.7	21.7	21.8	22.0	22.1	22.4	22.6	22.9	23.2	23.6	24.0	24.4	24.8	25.2	25.5	25.8	26.1	26.4	26.7	27.0	27.3	27.5	27.8	28.0	28.3
	other oaks	24.8	25.3	25.8	26.2	26.7	27.1	27.8	28.3	29.0	29.7	30.5	31.3	32.1	32.8	33.6	34.3	35.0	35.7	36.4	37.0	37.7	38.3	38.9	39.5	40.1	40.7
	turkey oak	29.6	29.7	29.7	29.7	29.8	29.9	30.2	30.4	30.7	31.1	31.6	32.0	32.5	33.0	33.4	33.8	34.2	34.6	34.9	35.3	35.7	36.0	36.3	36.7	37.0	37.3
	evergreen oaks	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	other broadleaves	42.8	44.1	45.2	46.3	47.4	48.4	49.8	51.0	52.3	53.6	55.1	56.5	57.9	59.1	60.3	61.3	62.3	63.3	64.1	65.0	65.7	66.4	67.0	67.6	68.1	68.6
	conifers	36.6	37.4	38.1	38.8	39.6	40.4	41.5	42.5	43.6	44.8	46.2	47.6	48.9	50.3	51.7	53.0	54.3	55.6	57.0	58.3	59.6	60.9	62.1	63.4	64.7	65.9
plantations	eucaliptuses coppices	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	other broadleaves coppices	46.9	50.2	53.2	56.3	59.1	61.8	64.4	66.7	68.8	70.9	73.0	74.6	75.8	76.8	77.5	77.9	78.4	78.7	78.9	79.0	79.1	79.2	79.3	79.3	79.4	79.4
	poplars stands	52.0	55.7	59.2	62.6	65.5	68.4	71.1	73.6	75.9	78.3	80.7	82.8	84.6	86.1	87.4	88.5	89.4	90.2	90.8	91.3	91.8	92.1	92.4	92.7	92.9	93.1
	other broadleaves stands	17.4	18.1	18.8	19.5	20.2	21.0	21.8	22.7	23.6	24.6	25.8	26.9	28.0	29.2	30.3	31.5	32.6	33.7	34.9	36.0	37.1	38.2	39.4	40.5	41.6	42.7
	conifers stands	30.7	32.6	34.6	36.8	39.0	41.4	44.1	46.8	49.7	53.0	56.6	60.4	64.2	68.2	72.2	76.3	80.3	84.5	88.8	93.0	97.3	101.6	105.9	110.1	114.4	118.6
	others	51.1	53.6	56.0	58.6	61.1	63.7	66.6	69.4	72.2	75.5	79.1	82.7	86.1	89.5	92.9	96.1	99.2	102.3	105.3	108.2	111.0	113.8	116.5	119.1	121.6	124.0
protec	rupicolous forest	22.6	22.8	23.0	23.1	23.2	23.4	23.7	24.0	24.3	24.6	25.0	25.4	25.8	26.2	26.6	27.0	27.3	27.7	28.1	28.5	28.9	29.3	29.6	30.0	30.4	30.7
	riparian forest	40.6	40.4	40.2	39.9	39.7	39.6	39.6	39.7	39.7	39.8	40.0	40.3	40.5	40.7	41.0	41.2	41.3	41.6	41.8	42.0	42.2	42.4	42.6	42.8	43.0	43.1

Puglia		2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025
inventory typology		*t C ha-1*																									
stands	norway spruce	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	silver fir	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	larches	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	mountain pines	33.4	35.5	38.1	40.1	42.5	44.5	46.3	46.0	46.8	47.3	48.3	49.0	49.3	50.4	51.9	53.1	54.5	55.6	56.7	57.7	58.7	59.6	60.5	61.4	62.2	63.0
	mediterranean pines	63.1	64.4	66.5	67.6	69.4	70.8	71.7	69.5	69.0	68.2	68.3	67.9	67.1	67.3	68.2	68.8	69.5	70.0	70.5	71.0	71.5	71.9	72.3	72.7	73.0	73.4
	other conifers	7.5	8.2	9.1	9.8	10.7	11.5	12.3	12.5	13.0	13.4	14.0	14.5	14.9	15.5	16.2	16.9	17.7	18.3	19.0	19.7	20.3	20.9	21.6	22.2	22.8	23.4
	european beech	21.3	21.9	22.8	23.4	24.3	25.0	25.6	25.1	25.1	25.0	25.3	25.3	25.2	25.4	25.9	26.4	26.8	27.2	27.6	28.0	28.4	28.8	29.2	29.5	29.9	30.3
	turkey oak	50.8	51.6	53.3	54.0	55.4	56.4	57.0	55.2	54.7	54.0	53.9	53.6	52.8	53.0	53.5	54.0	54.5	54.8	55.2	55.5	55.8	56.1	56.4	56.6	56.9	57.1
	other oaks	32.0	32.7	33.8	34.5	35.6	36.4	37.0	35.9	35.8	35.4	35.6	35.4	35.1	35.3	35.8	36.2	36.6	37.0	37.3	37.6	37.9	38.2	38.5	38.8	39.0	39.3
	other broadleaves	33.6	33.9	34.8	35.1	35.8	36.3	36.6	35.3	34.9	34.3	34.1	33.7	33.1	33.1	33.3	33.4	33.7	33.8	33.9	34.0	34.1	34.2	34.3	34.4	34.5	34.6
coppices	european beech	10.3	8.7	8.1	6.8	5.3	5.0	4.5	4.0	3.4	3.1	2.8	2.5	2.3	2.1	2.0	1.9	1.8	1.8	1.7	1.6	1.6	1.6	1.6	1.5	1.5	1.5
	sweet chestnut	23.1	21.2	21.1	19.2	16.5	16.7	16.4	15.8	14.6	14.4	14.2	13.9	13.6	13.5	13.5	13.5	13.4	13.3	13.3	13.3	13.3	13.3	13.2	13.2	13.2	13.2
	hornbeams	7.3	6.8	6.8	6.3	5.5	5.6	5.6	5.5	5.1	5.1	5.1	5.1	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.1	5.1	5.1	5.1	5.1	5.1	5.1
	other oaks	4.6	4.1	4.1	3.7	3.1	3.1	3.0	2.8	2.6	2.5	2.5	2.4	2.3	2.3	2.3	2.2	2.2	2.2	2.2	2.2	2.2	2.1	2.1	2.1	2.1	2.1
	turkey oak	12.2	10.9	10.7	9.6	8.2	8.2	7.9	7.6	6.9	6.8	6.6	6.4	6.2	6.1	6.1	6.0	5.9	5.9	5.9	5.8	5.8	5.8	5.8	5.7	5.7	5.7
	evergreen oaks	11.3	10.1	9.9	8.8	7.4	7.4	7.2	6.9	6.3	6.2	6.1	5.9	5.7	5.7	5.7	5.6	5.6	5.6	5.5	5.5	5.5	5.5	5.5	5.5	5.5	5.5
	other broadleaves	13.1	12.3	12.5	11.6	10.1	10.4	10.3	10.1	9.4	9.4	9.3	9.2	9.1	9.1	9.1	9.1	9.1	9.1	9.1	9.1	9.1	9.1	9.1	9.1	9.1	9.1
	conifers	9.2	8.2	8.0	7.1	5.9	5.8	5.5	5.2	4.6	4.4	4.2	3.9	3.7	3.6	3.5	3.4	3.3	3.2	3.1	3.0	3.0	2.9	2.9	2.9	2.8	2.8
plantations	eucaliptuses coppices	6.6	6.6	6.6	6.6	6.6	6.6	6.6	6.6	6.6	6.6	6.7	6.8	6.8	7.0	7.1	7.1	7.1	7.2	7.2	7.2	7.2	7.2	7.3	7.3	7.3	7.3
	other broadleaves coppices	5.6	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.6	5.6	5.8	5.9	5.9	6.0	6.1	6.1	6.2	6.2	6.2	6.3	6.3	6.3	6.3	6.3	6.3	6.3
	poplars stands	5.7	6.2	6.7	7.2	7.6	8.1	8.4	8.8	9.1	9.4	10.1	10.8	11.5	12.1	12.6	13.2	13.6	14.1	14.5	14.8	15.1	15.4	15.6	15.8	16.0	16.2
	other broadleaves stands	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	conifers stands	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2
	others	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
protec	rupicolous forest	33.7	34.3	35.4	36.2	37.2	38.2	39.0	38.2	38.3	38.8	39.7	40.3	40.7	41.6	42.9	44.1	45.3	46.4	47.5	48.5	49.5	50.5	51.5	52.4	53.4	54.3
	riparian forest	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Sardegna		2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025
inventory typology		*t C ha-1*																									
stands	norway spruce	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	silver fir	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	larches	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	mountain pines	37.9	40.1	42.9	44.9	47.6	50.2	53.1	54.5	57.1	58.8	61.7	64.3	67.0	69.6	72.2	74.9	77.3	79.9	82.5	85.0	87.5	89.9	92.3	94.7	97.0	99.2
	mediterranean pines	43.4	45.5	48.2	50.1	52.7	55.3	58.2	59.4	62.0	63.7	66.5	69.2	71.8	74.4	77.0	79.7	82.0	84.6	87.1	89.5	91.8	94.1	96.4	98.5	100.7	102.7
	other conifers	16.1	17.0	18.1	19.0	20.1	21.3	22.5	23.2	24.4	25.3	26.7	28.0	29.3	30.7	32.0	33.5	34.8	36.3	37.7	39.2	40.6	42.1	43.6	45.0	46.5	48.0
	european beech	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	turkey oak	23.8	24.3	25.1	25.6	26.3	27.1	28.0	28.2	29.0	29.4	30.3	31.2	32.1	32.9	33.8	34.8	35.6	36.5	37.5	38.4	39.3	40.2	41.1	42.0	42.9	43.8
	other oaks	28.8	29.3	30.2	30.7	31.5	32.4	33.4	33.6	34.5	34.9	36.0	36.9	37.9	38.9	39.9	41.0	41.9	43.0	44.0	45.0	46.1	47.1	48.0	49.0	50.0	50.9
	other broadleaves	20.4	21.1	22.2	22.9	24.0	25.0	26.2	26.7	27.8	28.4	29.7	30.8	32.0	33.1	34.3	35.6	36.7	37.9	39.2	40.4	41.6	42.9	44.1	45.3	46.5	47.7
coppices	european beech	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	sweet chestnut	93.8	98.4	102.7	106.5	110.2	113.6	117.6	120.8	124.1	126.1	129.6	132.6	135.4	137.9	140.3	142.4	144.1	145.7	147.1	148.4	149.5	150.5	151.3	152.1	152.8	153.4
	hornbeams	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	other oaks	6.2	6.5	6.7	6.9	7.2	7.4	7.7	8.0	8.3	8.5	8.8	9.2	9.5	9.9	10.2	10.6	11.0	11.3	11.7	12.1	12.4	12.8	13.2	13.6	14.0	14.4
	turkey oak	24.4	25.0	25.6	26.1	26.6	27.1	27.7	28.3	28.9	29.2	29.8	30.5	31.1	31.6	32.2	32.7	33.2	33.6	34.1	34.5	34.9	35.2	35.6	35.9	36.2	36.5
	evergreen oaks	30.3	30.8	31.4	31.9	32.4	32.9	33.6	34.2	34.9	35.2	36.1	36.9	37.7	38.4	39.2	40.0	40.7	41.4	42.2	42.9	43.5	44.2	44.9	45.5	46.2	46.8
	other broadleaves	30.3	32.0	33.6	35.2	36.8	38.3	40.1	41.7	43.4	44.6	46.4	48.1	49.8	51.4	52.9	54.4	55.7	57.0	58.2	59.3	60.3	61.3	62.2	63.1	63.8	64.6
	conifers	26.6	27.6	28.6	29.5	30.5	31.4	32.6	33.6	34.8	35.6	36.9	38.2	39.6	40.9	42.2	43.5	44.8	46.1	47.4	48.6	49.9	51.2	52.4	53.6	54.9	56.1
plantations	eucaliptuses coppices	70.4	71.0	71.3	71.5	71.7	71.9	72.5	72.8	73.2	73.1	73.7	74.1	74.4	74.6	74.7	74.9	74.9	74.9	74.9	74.9	75.0	75.0	75.0	75.0	75.0	75.0
	other broadleaves coppices	75.4	76.0	76.3	76.5	76.7	76.9	77.6	77.9	78.4	78.2	78.9	79.4	79.8	80.0	80.2	80.4	80.4	80.4	80.5	80.5	80.5	80.5	80.5	80.6	80.6	80.6
	poplars stands	42.9	42.9	42.9	42.9	42.9	42.9	43.2	43.3	43.3	43.3	43.5	43.6	43.7	43.7	43.7	43.7	43.7	43.7	43.7	43.7	43.7	43.7	43.7	43.7	43.7	43.7
	other broadleaves stands	37.5	38.0	39.1	39.4	40.4	41.4	42.7	42.6	43.8	44.2	45.4	46.5	47.7	48.8	50.0	51.3	52.3	53.6	54.8	56.0	57.2	58.4	59.6	60.8	61.9	63.1
	conifers stands	69.9	72.8	76.7	79.4	83.3	87.3	91.8	93.7	98.0	100.7	105.4	109.8	114.3	118.7	123.2	127.9	132.1	136.6	141.1	145.6	149.9	154.2	158.4	162.5	166.6	170.5
	others	97.4	99.1	101.9	103.1	105.7	108.4	111.5	111.4	114.3	115.2	118.3	120.9	123.7	126.2	128.8	131.6	133.8	136.3	138.8	141.2	143.5	145.7	147.9	149.9	151.9	153.9
protec	rupicolous forest	18.7	18.6	18.9	18.8	19.0	19.3	19.6	19.3	19.6	19.6	19.9	20.2	20.5	20.8	21.1	21.4	21.7	22.0	22.3	22.6	22.9	23.3	23.6	23.8	24.1	24.4
	riparian forest	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Sicilia		2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025
inventory typology		*t C ha-1*																									
stands	norway spruce	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	silver fir	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	larches	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	mountain pines	19.8	20.7	22.0	22.9	23.9	25.0	26.0	25.8	26.9	28.2	29.4	30.8	30.6	32.2	33.3	35.0	36.1	37.5	39.0	40.5	41.9	43.4	44.9	46.4	47.9	49.3
	mediterranean pines	33.3	34.4	35.9	36.9	38.0	39.1	40.2	39.4	40.5	41.9	43.2	44.8	43.9	45.8	46.8	48.7	49.6	51.1	52.5	53.9	55.3	56.7	58.1	59.5	60.8	62.1
	other conifers	22.4	23.2	24.3	25.1	25.9	26.8	27.6	27.1	28.0	29.0	30.1	31.3	30.8	32.2	33.0	34.5	35.2	36.4	37.5	38.7	39.8	40.9	42.1	43.2	44.3	45.4
	european beech	21.3	22.1	23.1	23.8	24.6	25.4	26.2	25.8	26.6	27.6	28.7	29.8	29.4	30.8	31.6	33.1	33.9	35.1	36.3	37.5	38.8	40.0	41.2	42.5	43.7	44.9
	turkey oak	35.4	36.5	37.9	38.9	40.0	41.0	42.0	41.1	42.2	43.6	44.9	46.4	45.4	47.3	48.3	50.1	51.0	52.5	53.9	55.3	56.7	58.1	59.4	60.8	62.1	63.4
	other oaks	32.3	33.1	34.3	35.0	35.9	36.7	37.4	36.5	37.4	38.5	39.5	40.7	39.7	41.2	42.0	43.5	44.1	45.2	46.3	47.3	48.3	49.3	50.3	51.2	52.1	52.9
	other broadleaves	24.1	24.7	25.7	26.3	27.0	27.6	28.3	27.6	28.3	29.2	30.0	31.0	30.3	31.5	32.2	33.4	34.0	34.9	35.8	36.8	37.7	38.6	39.5	40.3	41.2	42.1
coppices	european beech	43.9	43.5	43.7	43.3	43.0	42.6	42.2	41.1	40.8	40.8	40.1	39.8	36.4	36.6	35.9	36.0	34.8	34.7	34.6	34.5	34.4	34.3	34.2	34.1	34.0	33.9
	sweet chestnut	62.5	63.9	66.1	67.3	68.5	69.7	70.5	70.4	71.4	73.1	73.4	74.2	69.5	71.2	71.3	72.9	71.9	73.0	74.0	75.0	75.9	76.9	77.8	78.6	79.5	80.3
	hornbeams	18.2	18.4	18.7	18.8	18.9	19.1	19.1	18.9	18.9	19.2	19.1	19.2	17.8	18.1	18.0	18.3	17.9	18.1	18.3	18.4	18.5	18.7	18.8	18.9	19.0	19.1
	other oaks	29.1	29.5	30.2	30.5	30.8	31.0	31.1	30.8	31.0	31.5	31.4	31.5	29.4	30.0	29.9	30.5	30.0	30.3	30.6	30.9	31.1	31.4	31.6	31.8	31.9	32.1
	turkey oak	32.6	32.4	32.7	32.4	32.2	32.0	31.8	31.1	30.9	31.1	30.7	30.6	28.2	28.6	28.2	28.5	27.9	28.0	28.1	28.2	28.3	28.4	28.5	28.6	28.7	28.8
	evergreen oaks	41.8	41.6	42.0	41.7	41.5	41.3	41.0	40.1	39.9	40.1	39.6	39.4	36.2	36.5	36.0	36.2	35.3	35.3	35.3	35.4	35.4	35.4	35.5	35.5	35.5	35.6
	other broadleaves	33.6	34.9	36.6	37.7	38.8	39.9	40.8	41.0	42.0	43.3	43.7	44.5	41.9	43.2	43.5	44.6	44.3	45.1	45.9	46.6	47.3	48.0	48.6	49.2	49.7	50.3
	conifers	32.3	32.9	33.9	34.4	34.9	35.5	35.9	35.7	36.2	37.0	37.2	37.5	35.1	35.9	35.9	36.6	36.1	36.6	37.1	37.6	38.0	38.5	38.9	39.4	39.8	40.2
plantations	eucaliptuses coppices	63.0	63.5	64.4	65.2	65.4	66.1	66.5	65.7	66.4	67.5	68.4	69.4	66.0	68.1	68.6	70.1	69.3	70.3	71.0	71.6	71.9	72.2	72.4	72.6	72.7	72.8
	other broadleaves coppices	67.6	68.1	68.9	69.8	69.9	70.6	71.0	70.1	70.8	72.0	56.8	46.3	34.8	29.9	25.3	22.2	18.9	16.9	15.3	14.0	12.9	12.0	11.3	10.8	10.3	9.9
	poplars stands	41.7	41.9	41.9	42.2	42.2	42.4	42.5	42.4	42.5	42.6	37.1	33.9	31.8	30.4	29.4	28.7	28.2	27.8	27.5	27.3	27.2	27.0	26.9	26.9	26.8	26.8
	other broadleaves stands	28.6	28.7	29.1	29.4	29.7	30.2	30.7	29.7	30.4	31.2	24.1	19.0	14.1	11.6	9.5	8.1	6.9	6.0	5.4	4.9	4.5	4.2	4.0	3.8	3.7	3.6
	conifers stands	53.3	55.0	57.2	59.3	61.3	63.8	66.3	65.5	68.4	71.8	55.5	43.6	32.1	26.0	20.7	17.0	13.7	11.4	9.5	8.0	6.8	5.8	5.0	4.4	3.9	3.4
	others	76.5	77.4	78.9	80.2	81.3	83.1	84.8	82.3	84.5	87.2	67.7	53.8	40.5	33.8	28.0	24.1	20.5	18.0	16.0	14.4	13.1	12.1	11.2	10.5	9.9	9.5
protec	rupicolous forest	23.0	23.4	24.1	24.4	24.8	25.2	25.6	24.8	25.3	25.8	26.4	27.1	26.3	27.1	27.5	28.4	28.7	29.3	30.0	30.6	31.2	31.8	32.4	33.0	33.5	34.1
	riparian forest	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Toscana		2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025
inventory typology		*t C ha-1*																									
stands	norway spruce	4.0	4.3	4.6	4.9	5.2	5.5	5.9	6.2	6.6	6.9	7.4	7.8	8.2	8.6	9.1	9.5	10.0	10.5	11.0	11.4	11.9	12.4	12.9	13.4	13.9	14.4
	silver fir	36.8	37.8	38.7	39.4	40.3	41.2	42.4	43.5	44.6	45.4	46.7	47.9	48.9	50.2	51.4	52.6	53.8	55.0	56.1	57.3	58.4	59.5	60.6	61.7	62.8	63.8
	larches	2.5	2.7	2.8	2.9	3.1	3.2	3.4	3.5	3.7	3.9	4.1	4.3	4.5	4.7	4.9	5.1	5.4	5.6	5.9	6.1	6.4	6.6	6.9	7.2	7.5	7.7
	mountain pines	67.7	69.1	70.6	71.4	72.7	74.0	75.7	77.3	78.9	80.1	81.9	83.6	85.0	86.8	88.5	90.1	91.7	93.3	94.8	96.3	97.7	99.1	100.5	101.8	103.1	104.4
	mediterranean pines	80.4	81.8	83.3	83.9	85.2	86.4	88.1	89.6	91.1	92.1	93.9	95.5	96.8	98.5	100.1	101.6	103.0	104.4	105.8	107.0	108.3	109.4	110.6	111.7	112.7	113.7
	other conifers	47.9	48.7	49.5	49.8	50.5	51.2	52.2	53.1	54.1	54.7	55.9	56.9	57.8	58.9	60.1	61.1	62.2	63.2	64.3	65.3	66.3	67.3	68.2	69.2	70.2	71.1
	european beech	94.2	94.7	95.3	94.9	95.4	95.8	96.8	97.7	98.6	99.0	100.2	101.3	102.2	103.4	104.6	105.8	107.0	108.1	109.2	110.3	111.3	112.4	113.4	114.4	115.4	116.4
	turkey oak	78.1	77.8	77.6	76.6	76.3	76.0	76.2	76.3	76.4	76.2	76.6	76.8	76.9	77.3	77.7	78.1	78.5	78.8	79.1	79.4	79.7	80.0	80.3	80.6	80.9	81.2
	other oaks	60.5	60.7	60.8	60.4	60.6	60.7	61.1	61.5	61.9	61.9	62.5	63.0	63.3	63.8	64.3	64.8	65.2	65.6	66.0	66.3	66.6	66.9	67.2	67.5	67.7	68.0
	other broadleaves	61.0	61.2	61.5	61.2	61.5	61.7	62.3	62.8	63.3	63.5	64.2	64.9	65.4	66.1	66.8	67.5	68.2	68.9	69.6	70.2	70.8	71.5	72.1	72.7	73.3	73.9
coppices	european beech	47.1	47.1	47.0	46.9	46.8	46.8	47.0	47.4	47.7	48.0	48.5	48.8	49.2	49.6	49.9	50.3	50.6	51.0	51.3	51.6	51.9	52.2	52.5	52.8	53.1	53.3
	sweet chestnut	71.6	73.9	75.9	77.9	79.8	81.9	84.5	87.2	89.9	92.7	95.6	98.5	101.3	104.2	107.0	109.9	112.6	115.4	118.1	120.8	123.5	126.2	128.8	131.4	133.9	136.4
	hornbeams	23.7	23.7	23.7	23.7	23.7	23.7	23.9	24.1	24.3	24.5	24.7	24.9	25.1	25.3	25.5	25.7	25.9	26.1	26.2	26.4	26.5	26.7	26.8	26.9	27.1	27.2
	other oaks	26.8	27.3	27.7	28.1	28.4	28.8	29.3	29.9	30.5	31.0	31.6	32.2	32.8	33.3	33.9	34.4	34.9	35.4	35.9	36.4	36.8	37.3	37.7	38.2	38.6	39.0
	turkey oak	34.1	34.1	33.9	33.7	33.5	33.4	33.5	33.7	33.9	34.0	34.2	34.4	34.6	34.8	35.0	35.1	35.3	35.5	35.6	35.7	35.9	36.0	36.2	36.3	36.4	36.5
	evergreen oaks	44.0	44.1	44.2	44.2	44.1	44.2	44.5	44.9	45.3	45.7	46.2	46.7	47.1	47.5	47.9	48.3	48.7	49.1	49.5	49.9	50.3	50.6	51.0	51.3	51.6	52.0
	other broadleaves	44.7	46.0	47.0	48.0	48.9	49.8	51.0	52.2	53.4	54.5	55.7	56.7	57.7	58.6	59.5	60.4	61.1	61.8	62.5	63.1	63.6	64.2	64.6	65.1	65.5	65.8
	conifers	38.6	39.4	40.1	40.8	41.4	42.2	43.1	44.2	45.2	46.3	47.4	48.5	49.5	50.6	51.7	52.7	53.8	54.8	55.8	56.8	57.8	58.8	59.8	60.7	61.7	62.6
plantations	eucaliptuses coppices	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	other broadleaves coppices	73.6	74.2	74.5	74.8	75.0	75.3	75.9	76.3	77.0	77.6	78.4	79.0	79.4	79.8	80.0	80.2	80.3	80.4	80.4	80.5	80.5	80.5	80.5	80.5	80.6	80.6
	poplars stands	42.5	42.6	42.5	42.6	42.6	42.6	42.8	42.9	43.0	43.2	43.4	43.5	43.6	43.6	43.6	43.6	43.6	43.7	43.7	43.7	43.7	43.7	43.7	43.7	43.7	43.7
	other broadleaves stands	38.8	39.4	39.9	40.2	40.7	41.3	42.0	42.7	43.7	44.6	45.9	47.1	48.2	49.5	50.8	52.1	53.4	54.6	55.9	57.1	58.3	59.6	60.8	62.0	63.2	64.4
	conifers stands	72.3	75.3	78.2	80.8	83.7	86.9	90.4	93.8	97.9	101.6	106.5	111.1	115.5	120.3	125.1	129.8	134.5	139.1	143.7	148.2	152.6	156.9	161.1	165.3	169.4	173.3
	others	100.5	102.1	103.6	104.6	105.9	107.5	109.5	111.4	113.9	116.0	119.2	122.1	124.7	127.6	130.5	133.3	135.9	138.5	141.0	143.4	145.7	147.9	150.1	152.2	154.2	156.1
protec	rupicolous forest	35.0	35.9	36.9	37.6	38.5	39.4	40.5	41.5	42.4	43.2	44.4	45.5	46.5	47.6	48.8	49.9	50.9	52.0	53.0	54.0	55.0	56.0	57.0	57.9	58.8	59.7
	riparian forest	44.5	44.4	44.4	44.1	44.2	44.2	44.4	44.5	44.7	44.6	45.0	45.2	45.4	45.8	46.2	46.5	46.8	47.1	47.4	47.7	48.0	48.2	48.5	48.8	49.0	49.3

Trentino		2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025
inventory typology		*t C ha-1*																									
stands	norway spruce	54.7	54.3	53.9	53.3	52.9	52.5	51.6	50.8	50.0	49.2	49.2	49.1	49.0	48.9	48.9	48.8	48.7	48.6	48.6	48.5	48.4	48.4	48.3	48.3	48.2	48.1
	silver fir	70.3	69.9	69.3	68.5	68.0	67.4	66.3	65.2	64.3	63.3	63.1	63.0	62.9	62.8	62.7	62.6	62.5	62.4	62.4	62.3	62.2	62.1	62.0	61.9	61.9	61.8
	larches	54.9	54.7	54.4	53.9	53.7	53.4	52.6	51.9	51.2	50.5	50.6	50.6	50.6	50.6	50.7	50.7	50.7	50.7	50.8	50.8	50.8	50.8	50.8	50.9	50.9	50.9
	mountain pines	64.9	65.8	66.5	67.1	67.9	68.6	68.7	68.8	69.0	69.2	70.3	71.4	72.5	73.6	74.7	75.8	76.9	78.1	79.2	80.3	81.5	82.6	83.7	84.9	86.0	87.2
	mediterranean pines	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	other conifers	44.0	44.8	45.6	46.1	46.9	47.5	47.7	48.0	48.3	48.5	49.4	50.3	51.2	52.1	52.9	53.8	54.6	55.4	56.2	57.0	57.8	58.5	59.3	60.0	60.8	61.5
	european beech	66.5	67.1	67.4	67.6	68.0	68.3	68.0	67.8	67.6	67.4	68.1	68.8	69.5	70.1	70.8	71.5	72.1	72.8	73.4	74.0	74.7	75.3	75.9	76.5	77.1	77.7
	turkey oak	59.2	59.4	59.6	59.5	59.7	59.7	59.2	58.9	58.5	58.1	58.6	59.0	59.4	59.8	60.2	60.6	60.9	61.3	61.7	62.0	62.3	62.7	63.0	63.3	63.6	63.9
	other oaks	44.8	45.6	46.3	46.9	47.6	48.2	48.3	48.5	48.8	48.9	49.7	50.6	51.3	52.1	52.8	53.5	54.2	54.8	55.4	56.0	56.5	57.1	57.6	58.0	58.5	58.9
	other broadleaves	50.4	50.9	51.2	51.4	51.8	52.1	51.9	51.8	51.7	51.6	52.2	52.8	53.3	53.9	54.4	55.0	55.5	56.0	56.5	57.0	57.5	58.0	58.5	59.0	59.4	59.9
coppices	european beech	17.9	16.9	16.1	15.1	14.3	13.2	12.0	11.1	10.1	9.0	8.0	7.2	6.5	5.9	5.4	5.0	4.7	4.4	4.1	3.9	3.8	3.6	3.5	3.4	3.3	3.2
	sweet chestnut	29.8	29.5	29.3	28.6	28.2	27.1	25.6	24.6	23.4	21.8	20.4	19.2	18.2	17.4	16.7	16.0	15.5	15.0	14.6	14.3	14.0	13.7	13.5	13.3	13.2	13.0
	hornbeams	10.2	9.9	9.7	9.4	9.2	8.8	8.3	8.0	7.6	7.1	6.8	6.5	6.2	6.1	5.9	5.8	5.7	5.6	5.6	5.5	5.5	5.4	5.4	5.4	5.4	5.4
	other oaks	12.0	11.7	11.6	11.2	11.0	10.5	9.9	9.5	9.0	8.5	8.0	7.6	7.3	7.0	6.8	6.6	6.5	6.3	6.2	6.1	6.1	6.0	6.0	5.9	5.9	5.9
	turkey oak	13.0	12.5	12.1	11.5	11.1	10.5	9.8	9.3	8.8	8.1	7.6	7.2	6.8	6.5	6.3	6.1	6.0	5.9	5.8	5.7	5.6	5.6	5.5	5.5	5.5	5.4
	evergreen oaks	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	other broadleaves	19.9	19.7	19.6	19.2	19.0	18.3	17.3	16.7	15.9	14.9	14.1	13.4	12.8	12.3	11.8	11.5	11.2	10.9	10.7	10.5	10.4	10.3	10.2	10.1	10.0	9.9
	conifers	14.7	14.2	13.7	13.1	12.7	11.9	11.0	10.4	9.7	8.8	8.0	7.4	6.8	6.3	5.9	5.5	5.2	4.9	4.7	4.5	4.3	4.2	4.0	3.9	3.8	3.7
plantations	eucaliptuses coppices	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	other broadleaves coppices	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	poplars stands	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	other broadleaves stands	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	conifers stands	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.5	1.5	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4
	others	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
protec	rupicolous forest	24.9	25.1	25.3	25.5	25.6	25.8	25.8	25.9	25.9	25.9	26.2	26.6	26.9	27.2	27.5	27.8	28.2	28.5	28.8	29.1	29.4	29.7	30.0	30.3	30.6	30.9
	riparian forest	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Umbria		2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025
inventory typology		*t C ha-1*																									
stands	norway spruce	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	silver fir	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	larches	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	mountain pines	57.8	59.3	61.3	63.0	64.7	66.2	67.8	69.3	71.0	72.6	74.7	76.6	77.6	79.6	81.5	83.5	85.3	87.2	88.9	90.7	92.4	94.0	95.6	97.2	98.8	100.3
	mediterranean pines	70.4	72.0	74.0	75.8	77.6	79.1	80.7	82.1	83.8	85.4	87.5	89.4	90.2	92.2	94.1	96.0	97.8	99.5	101.1	102.7	104.2	105.7	107.1	108.5	109.8	111.0
	other conifers	39.3	40.1	41.2	42.1	43.1	44.0	44.8	45.7	46.6	47.6	48.9	50.1	50.6	51.8	53.1	54.3	55.5	56.7	57.9	59.1	60.2	61.4	62.5	63.6	64.7	65.8
	european beech	73.1	73.9	75.1	76.0	77.1	77.9	78.8	79.6	80.7	81.8	83.3	84.7	85.1	86.6	88.2	89.7	91.2	92.6	94.1	95.5	96.9	98.3	99.6	101.0	102.3	103.7
	turkey oak	61.9	61.9	62.3	62.6	62.9	63.0	63.2	63.3	63.7	64.1	64.7	65.4	65.2	65.9	66.6	67.3	68.0	68.6	69.2	69.9	70.5	71.1	71.6	72.2	72.8	73.3
	other oaks	52.1	52.5	53.3	53.9	54.5	55.0	55.5	55.9	56.5	57.1	57.9	58.7	58.8	59.6	60.4	61.1	61.9	62.5	63.1	63.7	64.3	64.8	65.3	65.8	66.2	66.6
	other broadleaves	48.5	48.9	49.6	50.2	50.8	51.2	51.7	52.2	52.8	53.5	54.4	55.3	55.4	56.3	57.3	58.2	59.1	60.0	60.8	61.7	62.5	63.3	64.2	65.0	65.8	66.6
coppices	european beech	26.9	26.1	25.5	24.1	23.1	22.0	21.2	19.6	18.7	18.1	17.5	17.1	16.6	16.2	15.8	15.5	15.2	14.9	14.7	14.5	14.2	14.0	13.9	13.7	13.5	13.4
	sweet chestnut	37.4	37.6	37.9	36.8	36.3	35.6	35.0	33.2	32.4	31.9	31.6	31.3	31.0	30.7	30.5	30.3	30.1	29.9	29.7	29.6	29.4	29.2	29.1	29.0	28.8	28.7
	hornbeams	14.3	14.1	13.9	13.3	13.0	12.6	12.3	11.6	11.3	11.1	10.9	10.8	10.7	10.7	10.6	10.5	10.5	10.4	10.4	10.3	10.3	10.3	10.3	10.2	10.2	10.2
	other oaks	20.1	20.1	20.2	19.6	19.4	19.1	18.9	18.1	17.8	17.7	17.7	17.7	17.7	17.8	17.8	17.8	17.8	17.8	17.9	17.9	17.9	17.9	17.9	17.9	17.9	17.9
	turkey oak	20.2	19.7	19.3	18.2	17.6	16.8	16.2	15.1	14.5	14.0	13.7	13.5	13.2	12.9	12.7	12.6	12.4	12.3	12.1	12.0	11.9	11.8	11.7	11.6	11.6	11.5
	evergreen oaks	25.2	24.6	24.1	22.8	22.0	21.0	20.2	18.8	18.0	17.5	17.0	16.6	16.2	15.9	15.6	15.4	15.1	14.9	14.7	14.5	14.4	14.2	14.1	13.9	13.8	13.7
	other broadleaves	27.3	27.6	28.0	27.4	27.2	26.8	26.6	25.4	25.0	24.8	24.8	24.8	24.7	24.7	24.7	24.7	24.7	24.7	24.7	24.7	24.7	24.7	24.7	24.7	24.7	24.7
	conifers	20.7	20.6	20.5	19.8	19.4	18.8	18.4	17.3	16.8	16.4	16.1	15.9	15.6	15.4	15.3	15.1	14.9	14.8	14.6	14.5	14.3	14.2	14.1	14.0	13.9	13.8
plantations	eucaliptuses coppices	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	other broadleaves coppices	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.8	5.8	5.8	5.9	5.9	5.9	5.9	5.9	5.9	5.9	5.9	6.0	6.0	6.0	6.0	6.0
	poplars stands	5.8	6.3	6.8	7.3	7.7	8.2	8.6	9.0	9.4	9.7	10.3	10.9	11.4	11.9	12.4	12.8	13.2	13.5	13.8	14.1	14.3	14.6	14.7	14.9	15.1	15.2
	other broadleaves stands	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	conifers stands	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
	others	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
protec	rupicolous forest	38.1	39.1	40.2	41.2	42.2	43.2	44.1	45.0	45.9	46.8	48.0	49.2	49.7	50.9	52.1	53.3	54.4	55.5	56.6	57.6	58.7	59.7	60.7	61.6	62.6	63.5
	riparian forest	50.2	50.2	50.3	50.4	50.6	50.7	50.7	50.8	50.8	50.9	51.3	51.7	51.5	52.0	52.4	52.9	53.3	53.7	54.1	54.4	54.8	55.2	55.5	55.8	56.2	56.5

Valle_D_Aosta		2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025
inventory typology		*t C ha-1*																									
stands	norway spruce	49.9	50.1	50.2	50.3	50.4	50.5	50.8	51.2	51.7	52.1	52.8	53.4	54.1	54.8	55.4	56.1	56.7	57.4	58.0	58.7	59.3	59.9	60.5	61.1	61.8	62.4
	silver fir	66.4	66.5	66.7	66.7	66.9	66.9	67.3	67.8	68.3	68.8	69.6	70.5	71.3	72.2	73.0	73.8	74.6	75.4	76.2	77.0	77.8	78.5	79.3	80.0	80.8	81.5
	larches	49.3	49.6	49.9	50.1	50.4	50.5	51.0	51.6	52.1	52.7	53.5	54.3	55.1	55.9	56.7	57.5	58.3	59.1	59.8	60.6	61.4	62.1	62.9	63.6	64.3	65.0
	mountain pines	54.0	55.3	56.6	57.8	59.1	60.3	61.9	63.6	65.4	67.1	69.3	71.5	73.8	76.1	78.4	80.8	83.2	85.7	88.2	90.8	93.4	96.0	98.7	101.4	104.2	107.0
	mediterranean pines	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	other conifers	42.1	43.3	44.5	45.5	46.7	47.7	49.1	50.5	51.9	53.3	54.9	56.6	58.3	60.0	61.6	63.3	65.0	66.6	68.3	69.9	71.6	73.2	74.8	76.5	78.1	79.7
	european beech	91.5	92.3	93.2	93.8	94.6	95.2	96.4	97.7	98.9	100.2	102.0	103.8	105.7	107.5	109.3	111.1	112.8	114.6	116.4	118.1	119.9	121.6	123.4	125.1	126.8	128.5
	turkey oak	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	other oaks	58.3	59.0	59.7	60.2	60.8	61.2	62.0	62.9	63.6	64.4	65.5	66.5	67.4	68.3	69.2	70.0	70.7	71.5	72.1	72.8	73.3	73.9	74.4	74.9	75.3	75.7
	other broadleaves	59.9	60.6	61.4	62.0	62.7	63.2	64.2	65.2	66.2	67.2	68.6	70.0	71.3	72.7	74.0	75.3	76.7	78.0	79.3	80.6	81.9	83.2	84.5	85.8	87.1	88.3
coppices	european beech	62.1	62.9	63.6	63.8	64.6	65.4	66.5	67.8	69.0	70.2	71.8	73.3	74.9	76.6	78.2	79.8	81.4	83.0	84.6	86.1	87.5	88.8	90.1	91.2	92.1	93.0
	sweet chestnut	83.5	85.7	87.7	89.0	91.1	93.1	95.5	98.0	100.5	102.7	105.5	108.1	110.8	113.4	116.0	118.5	120.8	123.2	125.5	127.7	129.9	132.0	134.0	136.0	137.9	139.8
	hornbeams	28.5	28.4	28.3	27.9	27.9	27.8	27.9	28.0	28.1	28.2	28.4	28.6	28.9	29.1	29.3	29.5	29.6	29.8	30.0	30.1	30.3	30.5	30.6	30.7	30.9	31.0
	other oaks	35.0	35.3	35.6	35.6	35.9	36.1	36.6	37.1	37.6	38.0	38.6	39.2	39.8	40.4	41.0	41.5	42.1	42.6	43.1	43.6	44.2	44.6	45.1	45.6	46.1	46.5
	turkey oak	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	evergreen oaks	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	other broadleaves	52.0	53.0	53.8	54.2	55.1	55.9	56.9	57.9	58.9	59.7	60.8	61.8	62.8	63.7	64.6	65.3	66.0	66.7	67.3	67.8	68.3	68.8	69.2	69.6	70.0	70.3
	conifers	51.4	52.1	52.8	53.1	53.9	54.6	55.6	56.7	57.7	58.7	60.0	61.2	62.5	63.8	65.0	66.3	67.5	68.7	69.9	71.1	72.3	73.4	74.6	75.7	76.9	78.0
plantations	eucaliptuses coppices	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	other broadleaves coppices	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	poplars stands	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	other broadleaves stands	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	conifers stands	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	others	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
protec	rupicolous forest	22.4	22.5	22.6	22.6	22.7	22.7	22.9	23.1	23.3	23.5	23.8	24.1	24.4	24.7	25.1	25.4	25.7	26.0	26.3	26.6	26.9	27.2	27.5	27.8	28.1	28.4
	riparian forest	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Veneto		2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025
inventory typology		*t C ha-1*																									
stands	norway spruce	52.3	52.1	51.9	51.8	51.8	51.6	51.8	51.9	51.6	51.8	52.2	52.5	52.9	53.3	53.7	54.0	54.4	54.7	55.1	55.4	55.8	56.1	56.5	56.8	57.1	57.4
	silver fir	69.0	68.7	68.4	68.2	68.1	67.9	68.1	68.2	67.8	68.0	68.5	68.9	69.3	69.8	70.2	70.7	71.1	71.5	71.9	72.4	72.8	73.2	73.6	74.0	74.3	74.7
	larches	52.9	52.8	52.8	52.8	52.9	52.8	53.2	53.4	53.2	53.5	54.0	54.4	54.9	55.4	55.9	56.4	56.9	57.3	57.8	58.3	58.7	59.2	59.6	60.0	60.4	60.9
	mountain pines	62.3	63.3	64.3	65.4	66.6	67.7	69.2	70.6	71.5	73.0	74.9	76.7	78.6	80.5	82.5	84.5	86.5	88.6	90.6	92.7	94.8	96.9	99.1	101.2	103.4	105.6
	mediterranean pines	73.0	74.7	76.5	78.3	80.1	81.8	83.9	85.8	87.0	88.9	91.1	93.3	95.4	97.5	99.5	101.4	103.3	105.1	106.9	108.6	110.2	111.8	113.3	114.8	116.2	117.6
	other conifers	47.8	48.6	49.5	50.4	51.4	52.2	53.4	54.4	55.1	56.2	57.5	58.8	60.2	61.5	62.8	64.2	65.5	66.7	68.0	69.3	70.6	71.8	73.0	74.2	75.5	76.6
	european beech	91.9	92.1	92.5	92.8	93.4	93.7	94.6	95.4	95.4	96.3	97.5	98.7	99.9	101.2	102.4	103.7	104.9	106.1	107.3	108.5	109.6	110.8	112.0	113.1	114.2	115.3
	turkey oak	76.5	76.4	76.3	76.3	76.4	76.4	76.8	77.1	76.8	77.2	77.9	78.5	79.2	79.9	80.5	81.2	81.8	82.5	83.1	83.7	84.3	84.9	85.4	86.0	86.5	87.1
	other oaks	56.8	57.2	57.7	58.1	58.6	59.0	59.8	60.4	60.5	61.1	62.0	62.8	63.6	64.3	65.1	65.7	66.4	67.0	67.6	68.1	68.6	69.1	69.5	69.9	70.3	70.7
	other broadleaves	58.0	58.4	58.9	59.3	59.9	60.3	61.1	61.8	62.0	62.8	63.8	64.8	65.8	66.8	67.8	68.7	69.7	70.7	71.6	72.6	73.5	74.4	75.3	76.2	77.1	78.0
coppices	european beech	55.8	55.9	56.7	57.7	58.2	58.9	59.8	61.1	62.1	63.5	64.9	66.2	67.5	68.9	70.3	71.6	73.0	74.3	75.7	77.0	78.3	79.6	81.0	82.3	83.6	84.9
	sweet chestnut	64.6	65.9	68.0	70.3	72.0	73.8	75.8	78.4	80.5	83.0	85.5	87.9	90.3	92.6	94.8	97.0	99.2	101.3	103.3	105.3	107.2	109.0	110.8	112.5	114.2	115.9
	hornbeams	22.7	22.5	22.5	22.6	22.5	22.5	22.6	22.8	23.0	23.2	23.4	23.6	23.8	24.0	24.2	24.4	24.5	24.7	24.9	25.0	25.1	25.3	25.4	25.5	25.7	25.8
	other oaks	28.2	28.2	28.5	28.9	29.1	29.3	29.7	30.2	30.6	31.1	31.6	32.1	32.6	33.1	33.6	34.0	34.4	34.9	35.3	35.7	36.1	36.4	36.8	37.2	37.5	37.8
	turkey oak	30.6	30.2	30.2	30.2	30.1	30.0	30.0	30.3	30.4	30.7	30.9	31.1	31.3	31.6	31.8	32.0	32.2	32.4	32.5	32.7	32.9	33.0	33.2	33.3	33.5	33.6
	evergreen oaks	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	other broadleaves	43.7	44.3	45.4	46.5	47.3	48.1	49.1	50.4	51.3	52.5	53.6	54.7	55.7	56.6	57.5	58.3	59.1	59.8	60.5	61.1	61.6	62.1	62.6	63.1	63.5	63.9
	conifers	42.1	42.2	42.8	43.5	43.9	44.4	45.1	46.1	46.8	47.8	48.8	49.7	50.6	51.6	52.5	53.4	54.3	55.2	56.0	56.9	57.7	58.6	59.4	60.2	61.0	61.8
plantations	eucaliptuses coppices	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	other broadleaves coppices	61.4	62.9	64.1	66.9	69.4	71.4	73.5	75.1	76.3	77.3	78.4	79.1	79.7	80.2	80.5	80.7	80.8	80.9	81.0	81.1	81.1	81.1	81.2	81.2	81.2	81.2
	poplars stands	62.4	64.6	66.5	70.1	73.2	76.0	78.9	81.4	83.5	85.4	87.4	89.1	90.5	91.7	92.7	93.5	94.2	94.8	95.3	95.7	96.0	96.3	96.5	96.7	96.9	97.0
	other broadleaves stands	26.5	26.7	26.9	28.0	29.1	30.1	31.4	32.6	33.9	35.1	36.6	37.9	39.4	40.8	42.3	43.7	45.2	46.6	48.1	49.5	51.0	52.4	53.9	55.3	56.8	58.2
	conifers stands	49.1	50.8	52.5	56.0	59.6	63.3	67.4	71.6	75.9	80.3	85.2	90.0	95.1	100.1	105.3	110.4	115.6	120.8	126.0	131.1	136.2	141.3	146.3	151.3	156.2	161.0
	others	72.9	74.0	75.0	78.4	81.7	84.9	88.6	92.3	95.8	99.3	103.2	107.0	110.7	114.4	118.0	121.5	125.0	128.3	131.6	134.8	137.8	140.8	143.7	146.5	149.3	151.9
protec	rupicolous forest	22.7	22.8	23.0	23.1	23.2	23.4	23.6	23.9	24.2	24.4	24.8	25.1	25.5	25.9	26.2	26.6	26.9	27.3	27.6	27.9	28.3	28.6	28.9	29.2	29.5	29.8
	riparian forest	43.3	43.2	43.0	42.9	42.8	42.7	42.8	43.0	43.1	43.3	43.6	43.9	44.3	44.6	44.9	45.2	45.6	45.9	46.2	46.4	46.7	47.0	47.3	47.6	47.8	48.1

Appendix II

This appendix contains data in format tables of the aboveground biomass increments (t C) in the period 2000-2025 for each FMP of each region/province.

Abruzzo																													
FMPs																													
function	**structure**	**forest type**	**2000**	**2001**	**2002**	**2003**	**2004**	**2005**	**2006**	**2007**	**2008**	**2009**	**2010**	**2011**	**2012**	**2013**	**2014**	**2015**	**2016**	**2017**	**2018**	**2019**	**2020**	**2021**	**2022**	**2023**	**2024**	**2025**
productive	stand	norway spruce	1.2	1.3	1.3	1.4	1.5	1.6	1.6	1.7	1.8	1.8	1.9	2.0	2.0	2.1	2.2	2.2	2.3	2.4	2.4	2.5	2.5	2.6	2.7	2.7	2.8	2.8
productive	stand	silver fir	2.5	2.6	2.6	2.7	2.8	2.8	2.9	2.9	3.0	3.0	3.1	3.1	3.1	3.1	3.2	3.2	3.2	3.2	3.2	3.3	3.3	3.3	3.3	3.3	3.3	3.3
productive	stand	larches	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
productive	stand	mountain pines	32.5	33.1	33.6	34.2	34.7	35.3	35.8	36.1	36.5	36.9	37.2	37.2	37.2	37.2	37.2	37.1	37.0	37.0	36.9	36.7	36.6	36.5	36.3	36.2	36.0	35.9
productive	stand	mediterranean pines	5.0	5.1	5.2	5.2	5.3	5.3	5.4	5.5	5.5	5.5	5.5	5.5	5.5	5.4	5.4	5.3	5.3	5.2	5.2	5.1	5.1	5.0	4.9	4.9	4.8	4.8
productive	stand	other conifers	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
productive	stand	european beech	229.6	233.1	237.0	240.8	244.6	248.5	252.3	253.8	256.9	260.0	263.1	264.3	265.4	266.5	267.6	268.5	269.4	270.2	270.9	271.5	272.1	272.7	273.1	273.5	273.9	274.2
productive	stand	turkey oak	19.7	20.0	20.2	20.5	20.8	21.1	21.4	21.6	21.8	22.0	22.2	22.2	22.2	22.2	22.2	22.2	22.2	22.2	22.2	22.2	22.2	22.2	22.2	22.2	22.2	22.2
productive	stand	other oaks	45.6	46.1	46.5	46.9	47.2	47.6	47.9	48.8	48.7	48.7	48.6	47.8	46.9	46.0	45.0	44.1	43.1	42.2	41.3	40.4	39.5	38.6	37.8	37.0	36.3	35.5
productive	stand	other broadleaves	32.8	33.3	33.9	34.5	35.1	35.7	36.3	36.5	37.0	37.5	37.9	38.2	38.4	38.6	38.8	39.0	39.2	39.4	39.6	39.8	40.0	40.2	40.4	40.5	40.7	40.8
productive	coppice	european beech	88.4	89.5	90.6	91.7	92.7	93.8	94.8	95.1	96.0	96.9	97.7	97.8	98.0	98.1	98.2	98.3	98.4	98.5	98.6	98.7	98.8	98.9	99.0	99.0	99.1	99.2
productive	coppice	sweet chestnut	35.8	36.5	37.2	37.8	38.5	39.1	39.7	40.0	40.5	40.8	41.1	41.0	40.8	40.6	40.3	39.9	39.5	39.1	38.6	38.2	37.7	37.2	36.8	36.3	35.8	35.4
productive	coppice	hornbeams	10.7	10.9	11.1	11.3	11.5	11.7	12.0	12.2	12.3	12.3	12.5	12.4	12.4	12.3	12.3	12.2	12.2	12.2	12.1	12.1	12.1	12.0	12.0	12.0	12.0	11.9
productive	coppice	other oaks	51.0	51.5	52.0	52.7	53.6	54.1	54.8	56.2	55.7	55.2	55.1	54.0	53.1	52.1	51.2	50.4	49.7	49.0	48.4	47.8	47.3	46.8	46.4	46.0	45.6	45.3
productive	coppice	turkey oak	6.6	6.8	6.9	7.1	7.2	7.4	7.5	7.7	7.8	7.8	7.8	7.8	7.7	7.6	7.6	7.5	7.5	7.4	7.4	7.3	7.3	7.2	7.2	7.2	7.1	7.1
productive	coppice	evergreen oaks	2.2	2.2	2.2	2.2	2.3	2.3	2.3	2.3	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4
productive	coppice	other broadleaves	66.8	67.5	68.1	68.8	69.6	70.2	70.9	71.7	71.7	71.6	71.7	70.8	69.9	68.9	68.0	67.1	66.1	65.2	64.4	63.5	62.7	61.9	61.2	60.5	59.9	59.2
productive	coppice	conifers	5.7	5.8	5.9	6.0	6.1	6.2	6.3	6.3	6.4	6.5	6.6	6.7	6.7	6.8	6.8	6.8	6.9	6.9	6.9	7.0	7.0	7.0	7.1	7.1	7.1	7.2
productive	plantation	eucaliptus coppices	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
productive	plantation	other broadleaves coppic	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
productive	plantation	poplars stands	1.4	1.4	1.4	1.5	1.5	1.5	1.5	1.5	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6
productive	plantation	other broadleaves stands	0.8	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7
productive	plantation	conifers stands	0.1	0.1	0.1	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
productive	plantation	others	8.2	7.7	7.5	7.2	6.8	6.9	6.9	6.8	6.6	6.6	6.5	6.3	6.2	6.1	6.0	5.9	5.9	5.8	5.8	5.7	5.7	5.6	5.6	5.6	5.6	5.5
protective	other	rupicolous forest	52.5	53.5	54.7	55.8	57.0	58.2	59.4	59.6	60.7	61.8	62.9	63.7	64.5	65.3	66.1	66.9	67.6	68.4	69.1	69.8	70.5	71.2	71.8	72.4	73.1	73.7
protective	other	riparian forest	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Aboveground biomass increments (t C) in the period 2000-2025

Alto_Adige																												
FMPs																												
function	structure	forest type	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025
productive	stand	norway spruce	199.7	201.1	202.5	203.9	205.3	206.7	208.0	206.4	204.7	203.1	201.5	201.4	201.4	201.3	201.3	201.2	201.1	201.1	201.0	201.0	200.9	200.9	200.8	200.8	200.7	200.7
productive	stand	silver fir	7.9	8.0	8.0	8.1	8.1	8.2	8.2	8.2	8.1	8.0	8.0	8.0	8.0	8.0	8.0	8.0	8.0	8.0	8.0	8.0	8.0	8.0	8.0	8.0	8.0	8.0
productive	stand	larches	82.0	82.6	83.2	83.8	84.4	85.0	85.5	85.0	84.2	83.6	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.1
productive	stand	mountain pines	158.5	161.4	164.4	167.1	170.1	172.9	175.3	177.3	178.1	179.8	181.5	183.7	185.8	187.9	190.0	192.1	194.2	196.3	198.3	200.4	202.4	204.4	206.4	208.4	210.4	212.3
productive	stand	mediterranean pines	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
productive	stand	other conifers	5.1	5.2	5.3	5.3	5.4	5.5	5.5	5.5	5.5	5.5	5.5	5.6	5.6	5.6	5.6	5.6	5.7	5.7	5.7	5.7	5.8	5.8	5.8	5.8	5.8	5.8
productive	stand	european beech	11.0	11.2	11.3	11.5	11.6	11.7	11.9	11.9	11.9	11.9	11.9	12.0	12.0	12.1	12.2	12.2	12.3	12.4	12.4	12.5	12.5	12.6	12.6	12.7	12.7	12.8
productive	stand	turkey oak	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
productive	stand	other oaks	8.0	8.1	8.1	8.2	8.2	8.3	8.3	8.2	8.1	8.0	7.8	7.8	7.7	7.7	7.6	7.6	7.5	7.5	7.4	7.4	7.3	7.3	7.2	7.2	7.1	7.1
productive	stand	other broadleaves	8.2	8.4	8.5	8.6	8.7	8.8	8.9	8.9	8.9	8.9	8.8	8.9	8.9	9.0	9.0	9.1	9.1	9.1	9.2	9.2	9.2	9.3	9.3	9.3	9.4	9.4
productive	coppice	european beech	1.6	1.6	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4
productive	coppice	sweet chestnut	7.0	6.8	6.8	6.7	6.7	6.7	6.7	6.6	6.6	6.5	6.4	6.4	6.4	6.4	6.4	6.4	6.4	6.4	6.4	6.4	6.4	6.4	6.4	6.4	6.3	6.3
productive	coppice	hornbeams	3.4	3.5	3.5	3.5	3.5	3.5	3.6	3.5	3.5	3.5	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4
productive	coppice	other oaks	3.8	3.8	3.8	3.8	3.8	3.9	3.9	3.8	3.8	3.8	3.7	3.7	3.7	3.7	3.7	3.7	3.7	3.7	3.7	3.7	3.7	3.7	3.7	3.7	3.7	3.7
productive	coppice	turkey oak	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
productive	coppice	evergreen oaks	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
productive	coppice	other broadleaves	3.2	3.2	3.2	3.2	3.2	3.2	3.3	3.2	3.2	3.2	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1
productive	coppice	conifers	0.7	0.6	0.6	0.5	0.5	0.5	0.5	0.5	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.3	0.3	0.3	0.3	0.3	0.3
productive	plantation	eucaliptus coppices	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
productive	plantation	other broadleaves coppic	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
productive	plantation	poplars stands	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
productive	plantation	other broadleaves stands	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
productive	plantation	conifers stands	1.0	0.9	0.8	0.7	0.6	0.6	0.5	0.5	0.5	0.5	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
productive	plantation	others	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
protective	other	rupicolous forest	49.7	50.3	50.9	51.4	52.0	52.6	53.2	53.5	53.8	54.0	54.2	54.6	55.0	55.4	55.8	56.1	56.5	56.8	57.2	57.5	57.9	58.2	58.5	58.9	59.2	59.5
protective	other	riparian forest	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Aboveground biomass increments (t C) in the period 2000-2025

Basilicata																												
FMPs																												
function	structure	forest type	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025
productive	stand	norway spruce	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
productive	stand	silver fir	1.8	1.9	1.9	1.9	2.0	2.0	2.0	2.1	2.1	2.2	2.2	2.2	2.2	2.2	2.3	2.3	2.3	2.3	2.3	2.3	2.4	2.4	2.4	2.4	2.4	2.4
productive	stand	larches	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
productive	stand	mountain pines	9.3	9.5	9.6	9.7	9.8	10.0	10.1	10.2	10.3	10.5	10.6	10.6	10.6	10.7	10.7	10.7	10.7	10.7	10.7	10.8	10.8	10.8	10.8	10.8	10.8	10.8
productive	stand	mediterranean pines	13.2	13.3	13.4	13.5	13.6	13.7	13.8	13.9	14.0	14.1	14.2	14.1	14.0	13.9	13.8	13.7	13.5	13.4	13.3	13.1	13.0	12.9	12.7	12.6	12.5	12.3
productive	stand	other conifers	2.4	2.4	2.5	2.5	2.6	2.6	2.6	2.7	2.7	2.8	2.8	2.8	2.8	2.9	2.9	2.9	2.9	2.9	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.1
productive	stand	european beech	81.3	82.0	82.8	83.6	84.4	85.2	86.0	86.9	87.9	88.8	89.8	89.8	89.9	89.9	90.0	90.0	90.0	90.1	90.1	90.1	90.1	90.1	90.0	90.0	90.0	89.9
productive	stand	turkey oak	109.6	110.7	112.1	113.4	114.7	116.1	117.4	118.7	120.1	121.5	123.0	123.4	123.7	124.1	124.5	124.9	125.2	125.6	125.9	126.2	126.5	126.7	127.0	127.2	127.5	127.7
productive	stand	other oaks	44.7	44.9	44.9	45.0	44.9	44.9	44.9	45.3	45.6	45.8	46.0	45.3	44.8	44.0	43.2	42.4	41.6	40.8	40.0	39.3	38.6	37.9	37.2	36.5	35.9	35.3
productive	stand	other broadleaves	68.6	69.4	70.3	71.2	72.2	73.1	74.1	75.0	75.9	76.9	78.0	78.3	78.6	79.1	79.5	79.9	80.3	80.7	81.0	81.4	81.7	82.1	82.4	82.7	83.0	83.3
productive	coppice	european beech	7.4	7.5	7.6	7.6	7.6	7.6	7.7	7.7	7.7	7.8	7.8	7.8	7.8	7.9	7.9	7.9	7.9	8.0	8.0	8.0	8.0	8.0	8.1	8.1	8.1	8.1
productive	coppice	sweet chestnut	30.0	30.5	31.0	31.3	31.6	32.0	32.3	32.7	33.0	33.5	33.9	34.0	34.1	34.2	34.3	34.3	34.4	34.5	34.5	34.5	34.6	34.6	34.6	34.6	34.6	34.6
productive	coppice	hornbeams	5.2	5.2	5.2	5.3	5.4	5.4	5.5	5.6	5.7	5.7	5.8	5.7	5.7	5.7	5.7	5.7	5.7	5.6	5.6	5.6	5.6	5.6	5.6	5.5	5.5	5.5
productive	coppice	other oaks	59.3	58.4	57.7	58.3	59.6	59.8	60.4	61.8	62.7	62.9	63.0	62.0	61.5	60.4	59.4	58.8	58.0	57.3	56.7	56.1	55.6	55.1	54.7	54.3	53.9	53.6
productive	coppice	turkey oak	15.4	15.5	15.6	15.8	15.9	16.1	16.2	16.4	16.6	16.8	17.0	17.0	16.9	16.9	16.9	16.9	16.8	16.8	16.8	16.8	16.7	16.7	16.7	16.7	16.6	16.6
productive	coppice	evergreen oaks	16.9	17.1	17.3	17.4	17.5	17.7	17.8	18.0	18.1	18.3	18.5	18.5	18.5	18.5	18.5	18.6	18.6	18.6	18.6	18.6	18.6	18.6	18.6	18.6	18.7	18.7
productive	coppice	other broadleaves	41.6	42.0	42.2	42.6	42.9	43.2	43.5	44.0	44.4	44.7	45.0	44.7	44.5	44.2	43.8	43.5	43.1	42.7	42.3	41.9	41.5	41.2	40.8	40.5	40.1	39.8
productive	coppice	conifers	2.6	2.6	2.7	2.7	2.7	2.8	2.8	2.8	2.9	2.9	3.0	3.0	3.0	3.0	3.0	3.1	3.1	3.1	3.1	3.1	3.2	3.2	3.2	3.2	3.2	3.3
productive	plantation	eucaliptus coppices	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
productive	plantation	other broadleaves coppic	0.1	0.1	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
productive	plantation	poplars stands	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
productive	plantation	other broadleaves stands	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
productive	plantation	conifers stands	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
productive	plantation	others	3.4	3.0	3.0	2.9	2.8	2.6	2.3	2.2	2.0	1.9	1.8	1.7	1.6	1.6	1.5	1.5	1.4	1.4	1.4	1.4	1.3	1.3	1.3	1.3	1.3	1.3
protective	other	rupicolous forest	68.4	69.5	70.8	72.2	73.5	74.8	76.2	77.3	78.5	79.9	81.3	82.1	82.7	83.6	84.5	85.3	86.1	86.8	87.5	88.2	88.9	89.6	90.2	90.8	91.4	92.0
protective	other	riparian forest	2.6	2.6	2.7	2.7	2.7	2.7	2.8	2.8	2.8	2.8	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	3.0	3.0	3.0	3.0	3.0

Aboveground biomass increments (t C) in the period 2000-2025

Calabria																													
FMPs																													
function	structure	forest type	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025
productive	stand	norway spruce	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
productive	stand	silver fir	6.4	6.5	6.6	6.6	6.7	6.8	6.8	6.8	6.9	7.0	7.1	7.1	7.1	7.2	7.2	7.3	7.3	7.4	7.4	7.4	7.5	7.5	7.5	7.6	7.6	7.6
productive	stand	larches	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
productive	stand	mountain pines	195.9	197.0	198.0	199.1	200.1	201.3	202.4	203.9	206.0	208.4	210.8	211.1	211.1	211.6	212.0	212.4	212.8	213.1	213.4	213.6	213.8	214.1	214.2	214.4	214.6	214.7
productive	stand	mediterranean pines	39.1	39.2	39.3	39.3	39.4	39.4	39.4	39.9	40.4	40.7	41.1	41.0	41.0	40.8	40.6	40.5	40.3	40.1	39.9	39.7	39.5	39.3	39.1	38.9	38.7	38.5
productive	stand	other conifers	2.3	2.3	2.3	2.4	2.4	2.4	2.4	2.4	2.5	2.5	2.5	2.5	2.5	2.6	2.6	2.6	2.6	2.6	2.6	2.7	2.7	2.7	2.7	2.7	2.7	2.7
productive	stand	european beech	175.9	176.6	177.4	178.3	179.1	180.2	181.2	181.7	183.1	185.0	187.0	187.3	186.8	187.4	188.0	188.4	189.0	189.4	189.8	190.2	190.6	190.9	191.3	191.6	191.9	192.2
productive	stand	turkey oak	15.7	15.8	15.9	16.0	16.1	16.2	16.2	16.3	16.5	16.6	16.8	16.9	16.8	16.9	16.9	17.0	17.0	17.1	17.1	17.2	17.2	17.2	17.3	17.3	17.3	17.3
productive	stand	other oaks	57.8	57.8	57.7	57.6	57.4	57.0	56.8	58.7	59.7	60.3	60.9	60.7	60.9	60.4	59.9	59.5	59.0	58.5	58.1	57.6	57.2	56.8	56.4	56.0	55.7	55.3
productive	stand	other broadleaves	119.9	120.5	121.2	121.9	122.6	123.5	124.3	124.6	125.7	127.0	128.5	128.8	128.6	129.1	129.6	130.0	130.5	130.9	131.4	131.8	132.2	132.5	132.9	133.3	133.6	134.0
productive	coppice	european beech	46.6	46.7	46.9	47.0	47.0	47.2	47.3	47.0	46.9	47.4	47.9	47.8	47.4	47.6	47.7	47.7	47.6	47.7	47.8	47.8	47.9	48.0	48.0	48.1	48.1	48.2
productive	coppice	sweet chestnut	141.6	142.7	143.7	144.6	145.4	146.3	147.0	148.1	149.5	151.5	153.4	153.7	153.6	154.1	154.5	154.8	154.9	155.2	155.4	155.6	155.8	155.9	156.1	156.2	156.2	156.3
productive	coppice	hornbeams	5.6	5.6	5.6	5.6	5.6	5.6	5.6	5.8	5.9	5.9	6.0	6.0	6.0	6.0	5.9	5.9	5.9	5.9	5.9	5.9	5.8	5.8	5.8	5.8	5.8	5.8
productive	coppice	other oaks	25.7	25.2	24.8	24.4	24.3	23.9	23.7	24.9	25.5	25.4	25.3	25.1	25.3	24.7	24.2	23.9	23.8	23.5	23.1	22.9	22.6	22.4	22.1	21.9	21.8	21.6
productive	coppice	turkey oak	17.5	17.5	17.6	17.6	17.7	17.7	17.8	18.1	18.4	18.6	18.8	18.8	18.8	18.8	18.8	18.7	18.7	18.7	18.7	18.7	18.7	18.7	18.6	18.6	18.6	18.6
productive	coppice	evergreen oaks	34.4	34.5	34.6	34.7	34.8	34.9	35.0	35.2	35.5	35.9	36.3	36.3	36.2	36.3	36.3	36.3	36.3	36.3	36.3	36.3	36.3	36.4	36.4	36.4	36.4	36.4
productive	coppice	other broadleaves	85.8	86.1	86.2	86.3	86.3	86.2	86.1	87.5	88.6	89.1	89.7	89.4	89.4	88.6	87.8	87.3	86.9	86.1	85.4	84.6	83.9	83.2	82.4	81.7	81.0	80.4
productive	coppice	conifers	6.6	6.7	6.8	6.8	6.9	7.0	7.0	7.0	7.1	7.2	7.3	7.3	7.3	7.4	7.5	7.5	7.5	7.6	7.6	7.7	7.7	7.7	7.8	7.8	7.9	7.9
productive	plantation	eucaliptus coppices	1.1	1.0	1.0	0.9	0.9	0.8	0.8	1.0	1.0	1.0	0.9	0.8	0.9	0.7	0.6	0.6	0.6	0.6	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
productive	plantation	other broadleaves coppic	0.9	0.9	0.9	0.8	0.8	0.7	0.7	0.9	0.9	0.9	0.8	0.8	0.8	0.7	0.6	0.6	0.6	0.5	0.5	0.5	0.5	0.5	0.4	0.4	0.4	0.4
productive	plantation	poplars stands	2.1	2.2	2.2	2.2	2.2	2.0	2.0	2.3	2.3	2.1	2.0	1.5	1.3	1.1	1.1	1.1	1.1	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
productive	plantation	other broadleaves stands	1.7	1.7	1.7	1.7	1.7	1.7	1.8	1.8	1.8	1.8	1.8	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	2.0	2.0	2.0	2.0	2.0	2.0	2.0
productive	plantation	conifers stands	1.8	1.9	1.9	1.9	2.0	2.0	2.1	2.1	2.1	2.2	2.2	2.2	2.3	2.3	2.3	2.3	2.3	2.3	2.4	2.4	2.4	2.4	2.4	2.3	2.3	2.3
productive	plantation	others	78.2	78.3	78.3	78.3	78.4	78.2	78.1	79.4	80.1	80.7	81.2	80.8	80.6	80.0	79.4	78.7	78.0	77.4	76.7	76.0	75.4	74.7	74.1	73.4	72.8	72.1
protective	other	rupicolous forest	105.8	107.2	108.7	110.2	111.7	113.5	115.0	115.2	116.7	118.6	120.7	121.6	121.8	123.1	124.4	125.6	126.8	127.9	129.0	130.0	131.0	131.9	132.9	133.7	134.6	135.4
protective	other	riparian forest	2.3	2.3	2.3	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.5	2.4	2.4	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5

Aboveground biomass increments (t C) in the period 2000-2025

Campania																												
FMPs																												
function	structure	forest type	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025
productive	stand	norway spruce	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
productive	stand	silver fir	1.9	1.9	1.9	1.9	1.9	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1
productive	stand	larches	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
productive	stand	mountain pines	6.6	6.7	6.8	6.9	7.0	7.1	7.2	7.3	7.3	7.4	7.5	7.5	7.5	7.5	7.6	7.6	7.6	7.7	7.7	7.7	7.7	7.7	7.8	7.8	7.8	7.8
productive	stand	mediterranean pines	5.5	5.6	5.6	5.7	5.8	5.8	5.9	5.9	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0
productive	stand	other conifers	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
productive	stand	european beech	127.8	128.7	129.5	130.2	131.1	132.2	133.1	133.3	133.8	134.3	134.8	134.3	133.9	134.1	134.3	134.4	134.5	134.6	134.7	134.8	134.9	135.0	135.1	135.2	135.3	135.4
productive	stand	turkey oak	18.6	18.7	18.8	18.9	19.1	19.2	19.3	19.4	19.4	19.5	19.6	19.5	19.5	19.5	19.5	19.5	19.5	19.5	19.5	19.5	19.5	19.6	19.6	19.6	19.6	19.6
productive	stand	other oaks	12.8	12.9	13.0	13.1	13.3	13.4	13.5	13.5	13.6	13.6	13.7	13.7	13.7	13.7	13.7	13.7	13.7	13.6	13.6	13.6	13.6	13.6	13.6	13.6	13.5	13.5
productive	stand	other broadleaves	25.1	25.3	25.5	25.6	25.8	26.1	26.3	26.3	26.5	26.6	26.7	26.6	26.5	26.6	26.7	26.7	26.8	26.9	26.9	27.0	27.0	27.1	27.2	27.2	27.3	27.3
productive	coppice	european beech	13.9	13.9	14.0	13.9	13.9	14.0	14.0	13.5	13.3	13.2	13.2	13.1	13.0	12.9	12.9	12.8	12.7	12.6	12.6	12.5	12.5	12.4	12.4	12.3	12.3	12.2
productive	coppice	sweet chestnut	145.1	146.5	148.6	150.0	151.8	153.5	155.0	154.2	154.7	155.5	156.6	157.1	157.4	158.0	158.5	158.7	159.0	159.4	159.8	160.1	160.4	160.7	161.0	161.2	161.5	161.7
productive	coppice	hornbeams	20.1	20.3	20.4	20.6	20.8	20.9	21.1	21.5	21.7	21.8	21.9	21.8	21.8	21.8	21.7	21.8	21.8	21.7	21.7	21.7	21.7	21.6	21.6	21.6	21.6	21.6
productive	coppice	other oaks	44.9	45.2	45.7	45.9	46.3	46.7	47.1	46.5	46.5	46.5	46.8	46.8	46.8	46.9	47.0	47.0	47.0	47.1	47.1	47.2	47.3	47.3	47.4	47.4	47.5	47.5
productive	coppice	turkey oak	30.6	30.9	31.1	31.4	31.7	31.9	32.2	32.4	32.6	32.7	32.9	32.9	32.9	32.9	32.9	32.9	32.9	32.9	32.9	32.9	32.9	32.8	32.8	32.8	32.8	32.8
productive	coppice	evergreen oaks	15.1	15.1	15.3	15.3	15.5	15.6	15.7	15.6	15.6	15.6	15.7	15.7	15.7	15.7	15.7	15.7	15.6	15.6	15.6	15.6	15.6	15.6	15.6	15.7	15.7	15.7
productive	coppice	other broadleaves	143.5	144.9	146.8	148.2	149.7	151.1	152.4	152.5	153.1	153.8	154.7	154.9	155.0	155.1	155.2	155.2	155.1	155.1	155.0	154.9	154.7	154.6	154.4	154.2	154.0	153.8
productive	coppice	conifers	10.3	10.4	10.6	10.7	10.8	10.9	11.1	10.9	10.9	10.9	11.0	11.0	11.1	11.1	11.2	11.2	11.2	11.3	11.3	11.4	11.4	11.5	11.5	11.5	11.6	11.6
productive	plantation	eucaliptus coppices	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
productive	plantation	other broadleaves coppic	1.3	1.3	1.2	1.2	1.2	1.1	1.1	1.4	1.3	1.2	1.1	1.1	1.0	1.0	0.9	0.9	0.9	0.9	0.9	0.8	0.8	0.8	0.8	0.8	0.8	0.8
productive	plantation	poplars stands	3.2	3.0	3.1	3.1	3.2	3.1	3.1	3.3	3.1	2.8	2.8	2.6	2.5	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4
productive	plantation	other broadleaves stands	2.1	2.1	2.1	2.1	2.2	2.2	2.2	2.2	2.2	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.4	2.4	2.4	2.4	2.4	2.4	2.4
productive	plantation	conifers stands	2.5	2.6	2.6	2.7	2.8	2.8	2.9	2.9	3.0	3.0	3.1	3.1	3.1	3.1	3.2	3.2	3.2	3.2	3.2	3.2	3.3	3.3	3.3	3.3	3.3	3.3
productive	plantation	others	108.4	109.0	109.6	110.1	110.7	111.1	111.6	112.1	112.3	112.6	112.7	112.8	112.7	112.2	111.6	111.1	110.5	110.0	109.4	108.8	108.3	107.7	107.1	106.6	106.1	105.5
protective	other	rupicolous forest	63.7	64.6	65.6	66.5	67.5	68.4	69.3	69.7	70.3	70.7	71.3	71.3	71.4	71.8	72.3	72.7	73.1	73.4	73.8	74.1	74.4	74.7	75.0	75.2	75.4	75.7
protective	other	riparian forest	2.5	2.5	2.5	2.5	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.7	2.7	2.7	2.7	2.7	2.7	2.7

Aboveground biomass increments (t C) in the period 2000-2025

Emilia_Romagna																													
FMPs																													
function	structure	forest type	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025
productive	stand	norway spruce	1.7	1.8	1.9	2.0	2.1	2.2	2.3	2.4	2.5	2.6	2.7	2.8	2.9	3.0	3.1	3.1	3.2	3.3	3.4	3.5	3.6	3.7	3.7	3.8	3.9	4.0
productive	stand	silver fir	3.4	3.5	3.7	3.8	3.9	4.0	4.1	4.2	4.3	4.4	4.5	4.5	4.6	4.7	4.7	4.8	4.8	4.9	4.9	5.0	5.0	5.1	5.1	5.1	5.2	5.2
productive	stand	larches	0.4	0.4	0.4	0.5	0.5	0.5	0.5	0.6	0.6	0.6	0.6	0.7	0.7	0.7	0.7	0.8	0.8	0.8	0.9	0.9	0.9	1.0	1.0	1.0	1.1	1.1
productive	stand	mountain pines	31.1	31.7	32.4	33.0	33.6	34.2	34.8	35.2	35.5	35.9	36.2	36.3	36.3	36.4	36.4	36.4	36.4	36.4	36.4	36.3	36.3	36.2	36.1	36.0	35.9	35.8
productive	stand	mediterranean pines	8.4	8.6	8.7	8.8	8.9	9.0	9.2	9.2	9.2	9.2	9.2	9.2	9.1	9.0	9.0	8.9	8.8	8.7	8.6	8.6	8.5	8.4	8.3	8.2	8.1	8.0
productive	stand	other conifers	2.2	2.2	2.3	2.3	2.4	2.4	2.5	2.5	2.6	2.6	2.6	2.7	2.7	2.7	2.7	2.8	2.8	2.8	2.8	2.8	2.9	2.9	2.9	2.9	2.9	2.9
productive	stand	european beech	21.9	22.3	22.8	23.2	23.6	24.1	24.5	24.9	25.2	25.6	25.9	26.1	26.3	26.5	26.7	26.9	27.1	27.3	27.5	27.6	27.8	27.9	28.1	28.2	28.3	28.5
productive	stand	turkey oak	10.9	11.1	11.2	11.4	11.5	11.7	11.8	11.9	12.0	12.1	12.2	12.2	12.2	12.2	12.2	12.3	12.3	12.3	12.3	12.3	12.3	12.3	12.3	12.4	12.4	12.4
productive	stand	other oaks	11.9	12.1	12.2	12.3	12.4	12.6	12.7	12.6	12.5	12.5	12.4	12.2	12.1	11.9	11.7	11.4	11.2	11.0	10.8	10.6	10.4	10.2	10.0	9.8	9.6	9.4
productive	stand	other broadleaves	20.6	20.9	21.3	21.7	22.0	22.4	22.8	23.0	23.3	23.5	23.8	24.0	24.1	24.3	24.4	24.6	24.7	24.8	25.0	25.1	25.2	25.4	25.5	25.6	25.7	25.8
productive	coppice	european beech	113.4	115.4	117.3	119.0	120.6	122.3	124.0	123.8	123.6	123.6	123.4	121.9	120.6	119.2	117.9	116.7	115.4	114.3	113.2	112.1	111.0	110.1	109.1	108.2	107.4	106.5
productive	coppice	sweet chestnut	138.0	141.8	145.8	149.8	153.8	157.7	161.7	164.8	167.9	170.8	173.7	176.0	178.2	180.2	182.1	183.9	185.6	187.1	188.5	189.9	191.1	192.2	193.2	194.1	194.8	195.6
productive	coppice	hornbeams	47.5	48.2	48.9	49.5	50.2	50.8	51.5	51.5	51.6	51.7	51.7	51.4	51.1	50.7	50.4	50.1	49.8	49.6	49.3	49.0	48.8	48.5	48.3	48.1	47.9	47.6
productive	coppice	other oaks	72.3	73.3	74.2	75.2	76.2	77.1	78.1	78.4	78.7	79.1	79.4	79.3	79.2	79.1	79.0	78.9	78.8	78.7	78.6	78.5	78.4	78.2	78.1	78.0	77.9	77.8
productive	coppice	turkey oak	44.3	45.0	45.7	46.3	46.9	47.5	48.1	48.3	48.4	48.5	48.7	48.5	48.3	48.0	47.8	47.7	47.5	47.3	47.1	46.9	46.7	46.6	46.4	46.2	46.1	45.9
productive	coppice	evergreen oaks	3.5	3.5	3.6	3.6	3.7	3.8	3.8	3.9	3.9	3.9	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
productive	coppice	other broadleaves	230.4	231.7	232.7	233.4	233.8	234.3	234.5	231.8	228.7	225.9	222.7	217.2	211.8	206.3	201.0	195.8	190.8	186.0	181.5	177.1	173.0	169.2	165.6	162.2	159.1	156.2
productive	coppice	conifers	20.4	20.8	21.2	21.6	22.0	22.4	22.9	23.1	23.4	23.7	24.0	24.2	24.4	24.5	24.7	24.9	25.0	25.2	25.3	25.4	25.6	25.7	25.8	25.9	26.0	26.1
productive	plantation	eucaliptus coppices	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
productive	plantation	other broadleaves coppic	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.4	0.4	0.4	0.3	0.3	0.3	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
productive	plantation	poplars stands	48.9	44.4	44.8	46.7	47.6	47.2	47.3	35.6	28.8	25.0	23.1	19.7	18.1	17.3	16.9	16.7	16.6	16.6	16.6	16.5	16.5	16.5	16.5	16.5	16.5	16.5
productive	plantation	other broadleaves stands	1.8	1.8	1.8	1.9	1.9	1.9	1.9	2.0	2.0	2.0	2.0	2.1	2.1	2.1	2.1	2.1	2.2	2.2	2.2	2.2	2.2	2.2	2.3	2.3	2.3	2.3
productive	plantation	conifers stands	0.8	0.8	0.9	0.9	0.9	0.9	1.0	1.0	1.0	1.0	1.1	1.1	1.1	1.1	1.1	1.1	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2
productive	plantation	others	38.3	38.8	39.4	39.9	40.4	40.9	41.4	41.6	41.7	41.7	41.8	41.6	41.3	41.1	40.8	40.5	40.2	39.9	39.6	39.3	38.9	38.6	38.3	37.9	37.6	37.3
protective	other	rupicolous forest	51.8	52.9	54.1	55.3	56.5	57.7	58.9	59.8	60.7	61.6	62.5	63.2	63.9	64.6	65.2	65.9	66.5	67.1	67.6	68.2	68.7	69.2	69.7	70.2	70.6	71.1
protective	other	riparian forest	66.8	67.6	68.4	69.2	70.0	70.8	71.7	72.2	72.7	73.1	73.6	73.9	74.1	74.3	74.6	74.8	75.0	75.2	75.4	75.6	75.8	76.0	76.2	76.3	76.5	76.7

Aboveground biomass increments (t C) in the period 2000-2025

Friuli_Venezia_Giulia																													
FMPs																													
function	structure	forest type	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025
productive	stand	norway spruce	48.6	49.0	49.5	49.9	50.3	50.8	51.2	51.4	51.7	51.9	52.2	52.2	52.2	52.3	52.3	52.4	52.4	52.4	52.5	52.5	52.5	52.5	52.6	52.6	52.6	52.6
productive	stand	silver fir	12.4	12.5	12.7	12.8	12.9	13.0	13.1	13.2	13.2	13.3	13.4	13.4	13.4	13.4	13.4	13.4	13.4	13.4	13.4	13.4	13.4	13.4	13.4	13.4	13.4	13.4
productive	stand	larches	13.5	13.6	13.8	13.9	14.0	14.1	14.3	14.3	14.4	14.5	14.5	14.6	14.6	14.6	14.6	14.6	14.6	14.6	14.7	14.7	14.7	14.7	14.7	14.7	14.7	14.7
productive	stand	mountain pines	51.8	53.0	54.0	54.9	56.0	57.1	58.2	59.3	60.2	61.3	62.4	63.4	64.3	65.2	66.2	67.2	68.2	69.2	70.1	71.1	72.0	72.9	73.8	74.7	75.6	76.5
productive	stand	mediterranean pines	4.2	4.3	4.3	4.3	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.3	4.3	4.3	4.2	4.2	4.2	4.1	4.1	4.1	4.1	4.0	4.0
productive	stand	other conifers	2.4	2.4	2.5	2.5	2.6	2.6	2.6	2.7	2.7	2.7	2.7	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9
productive	stand	european beech	130.8	132.3	133.7	134.8	136.3	137.7	139.0	140.0	140.9	141.9	142.9	143.5	144.0	144.4	144.9	145.4	145.9	146.4	146.8	147.2	147.6	148.0	148.4	148.7	149.1	149.4
productive	stand	turkey oak	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
productive	stand	other oaks	4.5	4.6	4.6	4.6	4.6	4.7	4.7	4.7	4.7	4.7	4.6	4.6	4.5	4.5	4.4	4.4	4.3	4.3	4.2	4.2	4.2	4.1	4.1	4.0	4.0	4.0
productive	stand	other broadleaves	24.8	25.1	25.4	25.7	26.0	26.3	26.5	26.7	26.9	27.1	27.3	27.4	27.5	27.6	27.7	27.8	27.9	28.0	28.0	28.1	28.2	28.3	28.3	28.4	28.5	28.5
productive	coppice	european beech	33.8	34.2	34.8	35.4	36.0	36.5	37.1	37.6	37.7	38.3	38.7	39.1	39.4	39.6	40.0	40.4	40.7	41.0	41.3	41.6	41.9	42.2	42.5	42.8	43.0	43.3
productive	coppice	sweet chestnut	33.0	33.5	34.0	34.5	35.0	35.4	35.9	36.2	36.4	36.7	36.9	37.0	37.0	37.1	37.1	37.1	37.1	37.1	37.1	37.1	37.1	37.1	37.0	37.0	37.0	36.9
productive	coppice	hornbeams	12.5	12.6	12.8	12.9	13.0	13.2	13.3	13.3	13.5	13.5	13.6	13.6	13.5	13.5	13.5	13.5	13.5	13.4	13.4	13.4	13.4	13.4	13.3	13.3	13.3	13.3
productive	coppice	other oaks	5.4	5.5	5.5	5.6	5.6	5.7	5.8	5.8	5.8	5.8	5.9	5.9	5.9	5.9	5.8	5.8	5.8	5.8	5.8	5.8	5.8	5.8	5.8	5.8	5.8	5.8
productive	coppice	turkey oak	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
productive	coppice	evergreen oaks	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
productive	coppice	other broadleaves	105.7	106.4	107.0	107.4	107.8	108.2	108.4	108.0	108.5	107.9	107.5	106.3	105.4	104.5	103.3	102.1	101.0	100.0	99.0	98.0	97.1	96.2	95.4	94.6	93.9	93.2
productive	coppice	conifers	22.1	22.4	22.7	23.1	23.4	23.8	24.1	24.4	24.5	24.7	25.0	25.1	25.2	25.3	25.5	25.6	25.7	25.9	26.0	26.1	26.2	26.3	26.4	26.5	26.6	26.7
productive	plantation	eucaliptus coppices	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
productive	plantation	other broadleaves coppic	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
productive	plantation	poplars stands	9.7	10.0	10.5	11.0	11.6	11.8	12.1	11.6	12.0	12.3	12.4	12.4	12.4	12.4	12.4	12.4	12.4	12.4	12.4	12.4	12.4	12.4	12.4	12.4	12.4	12.4
productive	plantation	other broadleaves stands	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
productive	plantation	conifers stands	0.0	0.0	0.0	0.0	0.0	0.1	0.1	0.0	0.0	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
productive	plantation	others	4.4	4.5	4.6	4.8	5.0	5.2	5.2	4.9	5.0	5.3	5.3	5.3	5.3	5.3	5.3	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4
protective	other	rupicolous forest	113.5	115.3	117.0	118.4	120.2	122.0	123.7	125.2	126.8	128.3	129.9	131.1	132.3	133.4	134.6	135.8	137.0	138.1	139.2	140.2	141.3	142.3	143.3	144.3	145.3	146.2
protective	other	riparian forest	30.7	31.0	31.2	31.4	31.7	32.0	32.3	32.5	32.7	32.9	33.1	33.2	33.3	33.3	33.4	33.5	33.6	33.7	33.8	33.9	34.0	34.0	34.1	34.2	34.3	34.3

Aboveground biomass increments (t C) in the period 2000-2025

Lazio																												
FMPs																												
function	structure	forest type	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025
productive	stand	norway spruce	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
productive	stand	silver fir	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
productive	stand	larches	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
productive	stand	mountain pines	16.4	16.6	16.9	17.1	17.3	17.6	17.8	18.0	18.2	18.5	18.7	18.7	18.8	18.8	18.9	18.9	19.0	19.0	19.0	19.1	19.1	19.1	19.1	19.2	19.2	19.2
productive	stand	mediterranean pines	17.7	18.0	18.3	18.5	18.7	19.0	19.2	19.4	19.6	19.9	20.1	20.1	20.1	20.1	20.1	20.1	20.1	20.1	20.0	20.0	20.0	20.0	19.9	19.9	19.8	19.8
productive	stand	other conifers	2.3	2.3	2.4	2.4	2.4	2.5	2.5	2.5	2.6	2.6	2.6	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8
productive	stand	european beech	81.8	82.7	83.5	84.1	84.8	85.6	86.3	86.9	87.6	88.4	89.0	88.9	88.6	88.6	88.7	88.7	88.8	88.9	88.9	89.0	89.0	89.1	89.1	89.2	89.2	89.3
productive	stand	turkey oak	18.5	18.7	18.9	19.0	19.1	19.3	19.5	19.6	19.7	19.9	20.0	20.0	19.9	19.9	19.9	19.9	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0
productive	stand	other oaks	17.7	17.9	18.2	18.4	18.6	18.8	19.1	19.3	19.5	19.7	19.9	19.9	19.9	19.9	19.8	19.8	19.8	19.8	19.8	19.7	19.7	19.6	19.6	19.6	19.5	19.5
productive	stand	other broadleaves	19.8	20.0	20.2	20.4	20.6	20.8	21.0	21.2	21.4	21.6	21.9	21.9	21.8	21.9	22.0	22.0	22.1	22.2	22.2	22.3	22.4	22.4	22.5	22.5	22.6	22.6
productive	coppice	european beech	66.6	67.2	67.9	68.6	69.3	70.0	70.7	71.4	72.1	72.9	73.6	73.6	73.7	73.8	73.9	73.9	73.9	74.0	74.1	74.2	74.3	74.3	74.4	74.4	74.5	74.6
productive	coppice	sweet chestnut	276.0	277.9	269.9	270.1	266.3	266.9	264.5	265.9	257.4	253.7	251.5	243.7	235.3	224.8	215.9	217.1	213.9	208.0	203.4	199.9	197.2	195.2	193.6	192.4	191.5	190.9
productive	coppice	hornbeams	72.1	73.4	74.3	75.4	76.4	77.5	78.5	79.4	80.1	80.9	81.6	81.5	81.3	81.0	80.7	80.6	80.5	80.2	80.0	79.7	79.5	79.3	79.1	78.9	78.8	78.6
productive	coppice	other oaks	104.3	105.6	106.8	108.0	109.2	110.4	111.5	112.5	113.3	114.0	114.7	114.0	113.1	111.9	110.5	109.8	108.8	107.4	106.0	104.6	103.3	102.1	100.9	99.8	98.8	97.8
productive	coppice	turkey oak	76.4	78.5	79.4	81.0	82.0	83.4	84.3	85.5	85.7	86.2	86.8	86.1	85.3	84.3	83.2	82.9	82.4	81.5	80.7	80.0	79.3	78.7	78.2	77.7	77.2	76.8
productive	coppice	evergreen oaks	46.2	46.6	47.1	47.6	48.1	48.6	49.2	49.6	50.1	50.7	51.2	51.2	51.3	51.3	51.4	51.4	51.4	51.5	51.6	51.6	51.7	51.7	51.8	51.8	51.9	51.9
productive	coppice	other broadleaves	138.3	140.2	142.3	144.2	146.2	148.0	149.9	151.6	153.3	154.9	156.4	156.3	156.0	155.6	155.0	154.7	154.1	153.4	152.6	151.7	150.9	150.0	149.1	148.2	147.3	146.5
productive	coppice	conifers	10.2	10.3	10.4	10.6	10.7	10.9	11.1	11.2	11.4	11.6	11.7	11.8	11.9	12.0	12.1	12.2	12.2	12.3	12.4	12.5	12.6	12.7	12.8	12.8	12.9	13.0
productive	plantation	eucaliptus coppices	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
productive	plantation	other broadleaves coppic	0.6	0.6	0.6	0.6	0.7	0.7	0.6	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7
productive	plantation	poplars stands	5.1	4.9	5.7	6.3	6.2	6.4	7.5	7.2	6.6	6.5	6.7	6.5	6.5	6.4	6.4	6.4	6.4	6.4	6.3	6.3	6.3	6.3	6.3	6.3	6.3	6.3
productive	plantation	other broadleaves stands	1.1	1.1	1.1	1.1	1.1	1.1	1.0	1.0	1.0	1.1	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
productive	plantation	conifers stands	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.4	0.5	0.5	0.5	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
productive	plantation	others	32.0	32.4	32.3	32.1	32.3	32.3	31.6	31.7	32.1	32.3	32.4	32.2	31.9	31.8	31.7	31.7	31.6	31.5	31.5	31.5	31.4	31.4	31.4	31.3	31.3	31.3
protective	other	rupicolous forest	42.5	43.1	43.9	44.4	45.2	45.9	46.7	47.2	47.9	48.6	49.2	49.5	49.6	50.0	50.5	50.9	51.4	51.8	52.2	52.7	53.1	53.5	53.8	54.2	54.6	54.9
protective	other	riparian forest	2.5	2.5	2.6	2.6	2.6	2.6	2.7	2.7	2.7	2.7	2.8	2.8	2.7	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.9	2.9	2.9

Aboveground biomass increments (t C) in the period 2000-2025

Aboveground biomass increments (t C) in the period 2000-2025

Liguria																												
FMPs																												
function	structure	forest type	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025
productive	stand	norway spruce	0.6	0.6	0.6	0.6	0.7	0.7	0.7	0.7	0.7	0.8	0.8	0.8	0.8	0.9	0.9	0.9	0.9	0.9	1.0	1.0	1.0	1.0	1.0	1.1	1.1	1.1
productive	stand	silver fir	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.8	1.8	1.8	1.8	1.8
productive	stand	larches	1.0	1.1	1.1	1.1	1.1	1.1	1.2	1.2	1.2	1.3	1.3	1.3	1.3	1.4	1.4	1.4	1.5	1.5	1.6	1.6	1.6	1.7	1.7	1.7	1.8	1.8
productive	stand	mountain pines	20.4	20.4	20.6	20.3	20.4	20.3	20.2	20.3	20.0	20.2	20.4	20.4	20.5	20.7	20.9	21.0	21.1	21.3	21.4	21.6	21.7	21.8	22.0	22.1	22.3	22.4
productive	stand	mediterranean pines	65.6	65.9	66.4	66.5	66.9	67.0	67.2	67.7	68.1	68.8	69.4	69.6	69.7	69.9	70.1	70.2	70.3	70.4	70.4	70.5	70.5	70.5	70.5	70.5	70.5	70.5
productive	stand	other conifers	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8
productive	stand	european beech	4.9	4.9	5.0	4.9	5.0	4.9	4.9	5.0	5.0	5.0	5.1	5.1	5.1	5.1	5.1	5.1	5.2	5.2	5.2	5.2	5.3	5.3	5.3	5.3	5.3	5.3
productive	stand	turkey oak	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5
productive	stand	other oaks	2.0	2.0	2.1	2.0	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2
productive	stand	other broadleaves	20.2	20.2	20.3	20.2	20.3	20.2	20.2	20.3	20.3	20.5	20.6	20.6	20.7	20.8	20.8	20.9	20.9	21.0	21.0	21.1	21.1	21.2	21.2	21.3	21.3	21.3
productive	coppice	european beech	53.7	54.5	55.5	56.2	57.3	58.3	59.2	60.0	61.1	62.0	63.1	63.8	64.4	64.8	64.9	64.6	64.0	63.0	61.5	59.6	57.3	54.7	52.1	49.4	47.0	44.8
productive	coppice	sweet chestnut	408.5	410.0	411.4	412.2	413.0	413.5	413.6	416.1	418.5	420.7	422.8	421.9	420.8	419.4	417.9	416.3	414.6	412.7	410.7	408.6	406.5	404.3	402.1	399.8	397.5	395.1
productive	coppice	hornbeams	9.5	9.5	9.5	9.4	9.4	9.3	9.3	9.4	9.4	9.5	9.5	9.5	9.4	9.4	9.3	9.3	9.2	9.2	9.1	9.1	9.1	9.0	9.0	8.9	8.9	8.9
productive	coppice	other oaks	61.3	60.0	58.4	57.5	55.7	54.4	53.1	53.3	52.8	52.6	52.1	50.8	49.7	48.4	47.2	46.2	45.4	44.5	43.7	43.0	42.4	41.8	41.2	40.7	40.2	39.8
productive	coppice	turkey oak	9.3	9.3	9.2	9.2	9.2	9.2	9.1	9.2	9.3	9.3	9.4	9.3	9.3	9.3	9.2	9.2	9.2	9.1	9.1	9.1	9.1	9.0	9.0	9.0	8.9	8.9
productive	coppice	evergreen oaks	11.0	11.0	11.0	11.0	11.0	11.0	11.0	11.0	11.1	11.2	11.3	11.3	11.3	11.3	11.3	11.3	11.2	11.2	11.2	11.2	11.2	11.2	11.2	11.2	11.2	11.2
productive	coppice	other broadleaves	152.8	151.0	148.5	146.5	143.6	140.8	138.0	137.3	135.8	134.7	133.1	129.8	126.7	123.3	120.0	117.2	114.5	111.8	109.3	106.9	104.7	102.6	100.6	98.8	97.1	95.6
productive	coppice	conifers	13.6	13.7	13.8	13.9	14.0	14.1	14.3	14.4	14.6	14.7	14.9	15.0	15.1	15.2	15.3	15.4	15.5	15.6	15.6	15.7	15.8	15.8	15.9	16.0	16.0	16.1
productive	plantation	eucaliptus coppices	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
productive	plantation	other broadleaves coppic	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
productive	plantation	poplars stands	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
productive	plantation	other broadleaves stands	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
productive	plantation	conifers stands	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
productive	plantation	others	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
protective	other	rupicolous forest	51.8	52.5	53.5	53.8	54.6	54.8	55.8	56.8	58.0	58.9	60.2	60.9	61.7	62.8	63.8	64.6	65.5	66.3	67.2	68.0	68.8	69.5	70.3	71.0	71.7	72.4
protective	other	riparian forest	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Aboveground biomass increments (t C) in the period 2000-2025

Lombardia																												
FMPs																												
function	structure	forest type	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025
productive	stand	norway spruce	80.5	80.5	80.6	80.8	81.1	81.3	81.7	81.9	82.1	82.1	82.2	82.1	82.0	81.9	81.8	81.7	81.6	81.5	81.4	81.4	81.3	81.2	81.1	81.0	80.9	80.9
productive	stand	silver fir	19.4	19.4	19.4	19.5	19.5	19.5	19.6	19.7	19.7	19.7	19.7	19.7	19.7	19.6	19.6	19.6	19.5	19.5	19.5	19.4	19.4	19.4	19.3	19.3	19.3	19.3
productive	stand	larches	44.8	44.7	44.7	44.8	44.9	44.9	45.2	45.3	45.3	45.3	45.3	45.2	45.2	45.1	45.0	44.9	44.9	44.8	44.7	44.7	44.6	44.6	44.5	44.4	44.4	44.3
productive	stand	mountain pines	44.6	44.8	45.0	45.5	46.0	46.4	47.1	47.6	48.1	48.3	48.7	49.0	49.3	49.7	50.0	50.3	50.7	51.0	51.3	51.6	52.0	52.3	52.6	52.9	53.2	53.6
productive	stand	mediterranean pines	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
productive	stand	other conifers	8.4	8.5	8.5	8.6	8.7	8.8	8.9	9.0	9.1	9.2	9.2	9.3	9.3	9.4	9.4	9.4	9.5	9.5	9.6	9.6	9.6	9.7	9.7	9.7	9.8	9.8
productive	stand	european beech	13.3	13.3	13.3	13.4	13.5	13.6	13.7	13.8	13.9	13.9	14.0	14.0	14.0	14.0	14.1	14.1	14.1	14.1	14.2	14.2	14.2	14.2	14.3	14.3	14.3	14.3
productive	stand	turkey oak	5.3	5.3	5.3	5.3	5.4	5.4	5.4	5.4	5.5	5.5	5.5	5.5	5.5	5.5	5.5	5.5	5.5	5.5	5.5	5.5	5.5	5.5	5.5	5.5	5.5	5.5
productive	stand	other oaks	6.6	6.6	6.7	6.7	6.8	6.9	6.9	7.0	7.0	7.1	7.1	7.1	7.1	7.1	7.1	7.2	7.2	7.2	7.2	7.2	7.2	7.2	7.2	7.1	7.1	7.1
productive	stand	other broadleaves	35.7	35.9	36.0	36.3	36.5	36.7	37.0	37.3	37.5	37.6	37.8	37.8	37.9	38.0	38.0	38.1	38.1	38.2	38.2	38.3	38.3	38.4	38.4	38.5	38.5	38.6
productive	coppice	european beech	52.2	52.6	52.9	53.3	53.6	54.0	54.4	54.7	55.0	55.3	55.6	55.7	55.8	55.9	56.0	56.1	56.2	56.2	56.3	56.3	56.4	56.4	56.4	56.5	56.5	56.5
productive	coppice	sweet chestnut	273.2	275.6	277.8	279.8	281.8	283.6	285.2	286.5	287.5	288.5	289.3	288.8	288.2	287.4	286.5	285.6	284.6	283.5	282.3	281.1	279.8	278.5	277.2	275.9	274.5	273.2
productive	coppice	hornbeams	34.0	34.2	34.4	34.6	34.8	34.9	35.0	35.1	35.2	35.3	35.4	35.3	35.1	35.0	34.9	34.8	34.7	34.6	34.5	34.4	34.3	34.2	34.1	34.0	34.0	33.9
productive	coppice	other oaks	25.3	25.4	25.5	25.6	25.7	25.8	25.9	26.0	26.1	26.2	26.3	26.2	26.2	26.2	26.1	26.1	26.1	26.0	26.0	26.0	25.9	25.9	25.9	25.8	25.8	25.8
productive	coppice	turkey oak	10.0	10.0	10.1	10.1	10.2	10.2	10.2	10.2	10.3	10.3	10.3	10.3	10.3	10.2	10.2	10.2	10.2	10.1	10.1	10.1	10.1	10.0	10.0	10.0	10.0	9.9
productive	coppice	evergreen oaks	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
productive	coppice	other broadleaves	361.6	358.9	356.1	352.8	348.9	344.7	340.0	335.3	330.5	326.8	322.4	315.1	308.1	301.1	294.4	288.8	283.2	277.8	272.8	268.1	263.7	259.7	255.9	252.4	249.2	246.2
productive	coppice	conifers	39.1	39.6	40.0	40.4	40.9	41.3	41.8	42.2	42.6	42.9	43.3	43.6	43.8	44.0	44.2	44.4	44.6	44.8	45.0	45.2	45.3	45.5	45.6	45.8	45.9	46.1
productive	plantation	eucaliptus coppices	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
productive	plantation	other broadleaves coppic	0.4	0.4	0.4	0.3	0.3	0.3	0.3	0.3	0.3	0.2	0.2	0.2	0.2	0.2	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
productive	plantation	poplars stands	197.5	186.5	175.7	165.9	157.1	148.9	142.6	135.2	129.7	120.6	112.9	103.3	95.1	88.1	82.2	77.3	73.1	69.6	66.7	64.3	62.3	60.6	59.3	58.1	57.2	56.4
productive	plantation	other broadleaves stands	1.7	1.7	1.8	1.8	1.8	1.8	1.8	1.9	1.9	1.9	1.9	1.9	2.0	2.0	2.0	2.0	2.0	2.0	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1
productive	plantation	conifers stands	0.8	0.8	0.9	0.9	0.9	0.9	0.9	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
productive	plantation	others	35.1	35.2	35.3	35.3	35.3	35.3	35.4	35.3	35.3	35.2	35.0	34.7	34.3	34.0	33.6	33.3	32.9	32.5	32.1	31.8	31.4	31.0	30.7	30.3	29.9	29.6
protective	other	rupicolous forest	45.1	45.6	46.1	46.6	47.1	47.6	48.1	48.6	49.1	49.6	50.1	50.5	50.9	51.2	51.6	52.0	52.4	52.7	53.1	53.4	53.8	54.1	54.4	54.8	55.1	55.4
protective	other	riparian forest	47.5	47.7	47.9	48.1	48.3	48.5	48.7	48.9	49.1	49.3	49.5	49.5	49.6	49.7	49.8	49.8	49.9	50.0	50.1	50.1	50.2	50.3	50.4	50.4	50.5	50.5

Aboveground biomass increments (t C) in the period 2000-2025

Marche																													
FMPs																													
function	structure	forest type	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025
productive	stand	norway spruce	1.0	1.1	1.1	1.2	1.2	1.3	1.3	1.4	1.4	1.5	1.5	1.6	1.6	1.7	1.7	1.8	1.8	1.9	1.9	2.0	2.0	2.1	2.1	2.1	2.2	2.2
productive	stand	silver fir	1.6	1.6	1.7	1.8	1.9	1.9	2.0	2.0	2.1	2.1	2.2	2.2	2.3	2.3	2.4	2.4	2.5	2.5	2.5	2.6	2.6	2.6	2.7	2.7	2.7	2.8
productive	stand	larches	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
productive	stand	mountain pines	19.8	20.2	20.6	21.0	21.4	21.7	22.1	22.1	22.3	22.4	22.6	22.6	22.6	22.7	22.7	22.7	22.7	22.7	22.7	22.7	22.7	22.6	22.6	22.6	22.6	22.5
productive	stand	mediterranean pines	12.9	13.1	13.4	13.6	13.8	14.1	14.3	14.3	14.4	14.5	14.5	14.5	14.5	14.4	14.3	14.3	14.2	14.1	14.0	13.9	13.8	13.7	13.5	13.4	13.3	13.2
productive	stand	other conifers	2.1	2.2	2.2	2.3	2.3	2.4	2.5	2.5	2.5	2.5	2.6	2.6	2.6	2.7	2.7	2.7	2.8	2.8	2.8	2.8	2.9	2.9	2.9	2.9	2.9	3.0
productive	stand	european beech	8.4	8.5	8.7	8.9	9.0	9.2	9.4	9.3	9.4	9.5	9.6	9.7	9.7	9.8	9.9	10.0	10.0	10.1	10.2	10.2	10.3	10.3	10.4	10.5	10.5	10.6
productive	stand	turkey oak	6.5	6.6	6.7	6.8	7.0	7.1	7.2	7.2	7.3	7.3	7.4	7.4	7.5	7.5	7.5	7.6	7.6	7.6	7.6	7.7	7.7	7.7	7.7	7.7	7.8	7.8
productive	stand	other oaks	4.9	5.0	5.1	5.1	5.2	5.3	5.4	5.4	5.4	5.4	5.5	5.4	5.4	5.4	5.3	5.3	5.2	5.2	5.1	5.0	5.0	4.9	4.8	4.7	4.7	4.6
productive	stand	other broadleaves	5.7	5.8	6.0	6.1	6.2	6.4	6.5	6.5	6.5	6.6	6.7	6.8	6.8	6.9	7.0	7.0	7.1	7.1	7.2	7.3	7.3	7.4	7.4	7.5	7.5	7.5
productive	coppice	european beech	29.9	30.3	30.7	31.1	31.4	31.9	32.3	32.4	32.6	32.8	33.0	33.1	33.2	33.3	33.4	33.4	33.5	33.6	33.6	33.7	33.8	33.8	33.9	33.9	34.0	34.0
productive	coppice	sweet chestnut	15.0	15.4	15.7	16.1	16.5	16.9	17.3	17.6	18.0	18.4	18.8	19.2	19.5	19.9	20.2	20.5	20.9	21.2	21.5	21.8	22.0	22.3	22.6	22.8	23.1	23.3
productive	coppice	hornbeams	34.6	35.1	35.6	36.1	36.6	37.0	37.5	37.6	37.6	37.6	37.6	37.4	37.2	37.1	36.9	36.8	36.6	36.5	36.4	36.2	36.1	36.0	35.9	35.8	35.7	35.6
productive	coppice	other oaks	118.5	120.1	121.7	123.2	124.9	126.4	127.9	128.1	128.1	128.0	128.0	127.3	126.7	126.1	125.5	125.0	124.4	123.9	123.4	123.0	122.5	122.1	121.7	121.3	121.0	120.6
productive	coppice	turkey oak	15.2	15.4	15.7	15.9	16.1	16.4	16.6	16.7	16.7	16.8	16.8	16.8	16.8	16.8	16.8	16.8	16.7	16.7	16.7	16.7	16.7	16.7	16.7	16.6	16.6	16.6
productive	coppice	evergreen oaks	12.5	12.7	12.9	13.0	13.2	13.4	13.6	13.6	13.7	13.8	13.9	13.9	14.0	14.0	14.0	14.1	14.1	14.1	14.1	14.2	14.2	14.2	14.2	14.3	14.3	14.3
productive	coppice	other broadleaves	38.1	39.0	39.8	40.7	41.5	42.3	43.2	43.6	44.1	44.5	44.9	45.1	45.2	45.3	45.3	45.3	45.3	45.2	45.0	44.9	44.7	44.5	44.4	44.1	43.9	43.7
productive	coppice	conifers	2.2	2.3	2.3	2.4	2.4	2.5	2.5	2.6	2.6	2.7	2.7	2.7	2.8	2.8	2.8	2.9	2.9	2.9	3.0	3.0	3.0	3.1	3.1	3.1	3.1	3.2
productive	plantation	eucaliptus coppices	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
productive	plantation	other broadleaves coppic	0.0	0.0	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
productive	plantation	poplars stands	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6
productive	plantation	other broadleaves stands	0.6	0.6	0.6	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7
productive	plantation	conifers stands	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
productive	plantation	others	2.4	2.3	2.3	2.2	2.2	2.2	2.1	2.1	2.1	2.1	2.1	2.1	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0
protective	other	rupicolous forest	16.0	16.3	16.6	17.0	17.3	17.6	18.0	17.7	18.0	18.2	18.5	18.7	18.8	19.0	19.2	19.4	19.6	19.8	20.0	20.1	20.3	20.5	20.6	20.8	20.9	21.0
protective	other	riparian forest	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Aboveground biomass increments (t C) in the period 2000-2025

Molise																												
FMPs																												
function	structure	forest type	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025
productive	stand	norway spruce	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
productive	stand	silver fir	3.6	3.7	3.7	3.7	3.7	3.7	3.8	3.8	3.9	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
productive	stand	larches	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
productive	stand	mountain pines	3.7	3.8	3.8	3.8	3.8	3.9	3.9	4.0	4.0	4.1	4.2	4.2	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.0	4.0	4.0
productive	stand	mediterranean pines	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
productive	stand	other conifers	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
productive	stand	european beech	21.8	22.0	22.1	22.3	22.5	22.6	22.8	23.1	23.5	23.9	24.3	24.3	24.4	24.4	24.4	24.4	24.5	24.5	24.5	24.5	24.5	24.5	24.5	24.6	24.6	24.6
productive	stand	turkey oak	20.5	20.6	20.8	20.9	21.0	21.2	21.3	21.7	22.1	22.5	22.9	22.9	22.8	22.8	22.8	22.8	22.8	22.8	22.7	22.7	22.7	22.7	22.6	22.6	22.6	22.5
productive	stand	other oaks	1.9	1.9	1.9	1.9	1.9	1.9	1.9	2.0	2.0	2.1	2.1	2.1	2.0	2.0	2.0	1.9	1.9	1.9	1.8	1.8	1.8	1.7	1.7	1.7	1.7	1.6
productive	stand	other broadleaves	6.4	6.5	6.5	6.6	6.7	6.7	6.8	6.9	7.0	7.1	7.3	7.3	7.3	7.3	7.4	7.4	7.4	7.4	7.5	7.5	7.5	7.5	7.6	7.6	7.6	7.6
productive	coppice	european beech	12.2	12.3	12.3	12.4	12.4	12.4	12.5	12.6	12.7	12.8	13.0	13.0	13.0	13.0	13.0	13.0	13.0	13.0	13.0	13.0	13.0	13.0	13.0	13.0	13.0	13.0
productive	coppice	sweet chestnut	4.2	4.3	4.4	4.5	4.5	4.6	4.7	4.8	4.9	5.0	5.1	5.1	5.2	5.2	5.2	5.3	5.3	5.3	5.3	5.3	5.3	5.3	5.3	5.3	5.3	5.3
productive	coppice	hornbeams	6.8	6.8	6.8	6.9	6.9	7.0	7.0	7.1	7.3	7.4	7.6	7.5	7.5	7.5	7.5	7.5	7.5	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.3	7.3
productive	coppice	other oaks	75.0	74.5	74.1	73.6	73.6	73.3	73.0	74.8	76.1	77.5	78.7	77.6	76.6	75.6	74.6	74.0	73.2	72.5	71.9	71.3	70.8	70.3	69.9	69.5	69.2	68.8
productive	coppice	turkey oak	27.8	28.0	28.3	28.4	28.7	29.0	29.1	30.0	30.7	31.4	32.0	31.9	31.8	31.7	31.5	31.5	31.4	31.3	31.2	31.1	31.0	31.0	30.9	30.8	30.8	30.7
productive	coppice	evergreen oaks	1.8	1.8	1.8	1.8	1.8	1.8	1.9	1.9	1.9	1.9	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0
productive	coppice	other broadleaves	4.8	4.8	4.9	4.9	5.0	5.0	5.0	5.1	5.2	5.3	5.4	5.4	5.4	5.4	5.4	5.3	5.3	5.3	5.3	5.3	5.2	5.2	5.2	5.1	5.1	5.1
productive	coppice	conifers	2.2	2.2	2.2	2.3	2.3	2.3	2.3	2.4	2.4	2.5	2.5	2.5	2.6	2.6	2.6	2.6	2.6	2.6	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7
productive	plantation	eucaliptus coppices	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
productive	plantation	other broadleaves coppic	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
productive	plantation	poplars stands	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
productive	plantation	other broadleaves stands	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
productive	plantation	conifers stands	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
productive	plantation	others	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
protective	other	rupicolous forest	17.7	18.0	18.2	18.5	18.7	19.0	19.2	19.5	19.9	20.2	20.6	20.7	20.9	21.0	21.2	21.3	21.5	21.6	21.7	21.9	22.0	22.1	22.2	22.3	22.4	22.5
protective	other	riparian forest	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Aboveground biomass increments (t C) in the period 2000-2025

Piemonte																													
FMPs																													
function	structure	forest type	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025
productive	stand	norway spruce	2.5	2.5	2.5	2.6	2.6	2.6	2.7	2.7	2.7	2.7	2.8	2.8	2.8	2.8	2.9	2.9	2.9	2.9	2.9	3.0	3.0	3.0	3.0	3.0	3.0	3.0
productive	stand	silver fir	23.8	24.0	24.2	24.4	24.6	24.9	25.2	25.4	25.6	25.8	26.0	26.2	26.4	26.5	26.6	26.8	26.9	27.0	27.2	27.3	27.4	27.5	27.6	27.7	27.8	27.9
productive	stand	larches	105.9	107.0	107.8	108.7	109.6	111.0	112.4	113.5	114.8	116.4	117.9	119.3	120.6	121.8	123.1	124.3	125.4	126.6	127.7	128.9	130.0	131.0	132.0	133.0	134.0	135.0
productive	stand	mountain pines	52.4	53.4	54.3	55.1	56.1	57.4	58.6	59.9	61.3	63.0	64.7	66.4	68.1	69.8	71.6	73.3	75.0	76.8	78.7	80.5	82.3	84.2	86.1	88.0	89.9	91.8
productive	stand	mediterranean pines	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
productive	stand	other conifers	2.1	2.1	2.2	2.2	2.2	2.3	2.3	2.4	2.4	2.5	2.5	2.5	2.6	2.6	2.6	2.7	2.7	2.7	2.7	2.8	2.8	2.8	2.8	2.9	2.9	2.9
productive	stand	european beech	17.4	17.6	17.8	18.0	18.2	18.5	18.8	19.0	19.3	19.6	19.9	20.1	20.4	20.6	20.9	21.1	21.3	21.5	21.8	22.0	22.2	22.4	22.6	22.8	23.0	23.2
productive	stand	turkey oak	2.2	2.3	2.3	2.3	2.4	2.4	2.4	2.4	2.4	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6
productive	stand	other oaks	12.2	12.4	12.6	12.7	12.9	13.1	13.3	13.4	13.5	13.6	13.6	13.6	13.6	13.5	13.5	13.4	13.3	13.2	13.0	12.9	12.8	12.6	12.4	12.3	12.1	11.9
productive	stand	other broadleaves	112.5	114.0	115.5	116.9	118.4	120.2	121.9	123.2	124.5	126.0	127.5	128.5	129.5	130.5	131.5	132.5	133.4	134.3	135.1	136.0	136.8	137.6	138.4	139.2	139.9	140.6
productive	coppice	european beech	173.0	176.3	179.3	182.5	185.9	189.6	193.3	196.7	200.6	205.0	209.5	214.0	218.4	223.0	227.6	231.7	236.3	240.8	245.2	249.5	253.7	257.6	261.1	264.2	266.6	268.2
productive	coppice	sweet chestnut	531.6	541.1	550.1	558.9	567.6	576.1	584.4	589.1	593.6	597.9	601.7	602.6	603.0	602.9	602.5	601.7	600.6	599.1	597.4	595.4	593.3	590.9	588.4	585.7	582.9	580.0
productive	coppice	hornbeams	13.5	13.6	13.7	13.8	13.9	14.0	14.2	14.2	14.1	14.1	14.1	14.0	13.9	13.8	13.7	13.6	13.5	13.4	13.3	13.2	13.1	13.1	13.0	12.9	12.8	12.8
productive	coppice	other oaks	38.5	39.0	39.4	39.9	40.3	40.7	41.2	41.4	41.5	41.7	41.9	41.9	41.8	41.8	41.8	41.7	41.7	41.6	41.6	41.5	41.5	41.4	41.4	41.3	41.3	41.2
productive	coppice	turkey oak	16.5	16.7	16.8	17.0	17.2	17.4	17.5	17.6	17.6	17.6	17.6	17.6	17.5	17.4	17.3	17.3	17.2	17.1	17.0	17.0	16.9	16.8	16.8	16.7	16.6	16.6
productive	coppice	evergreen oaks	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
productive	coppice	other broadleaves	401.8	404.7	407.3	409.5	411.2	412.4	413.2	410.5	406.8	402.1	396.9	388.5	379.8	370.8	361.6	353.8	345.0	336.6	328.4	320.5	312.9	305.8	298.9	292.5	286.5	280.8
productive	coppice	conifers	37.0	37.7	38.4	39.1	39.8	40.5	41.2	41.8	42.3	42.9	43.5	43.9	44.3	44.7	45.1	45.4	45.8	46.1	46.4	46.7	47.0	47.3	47.5	47.8	48.0	48.3
productive	plantation	eucaliptus coppices	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
productive	plantation	other broadleaves coppic	2.2	2.2	2.2	2.2	2.2	2.1	2.1	1.9	1.8	1.7	1.5	1.3	1.2	1.1	1.0	0.9	0.9	0.8	0.8	0.8	0.8	0.8	0.7	0.7	0.7	0.7
productive	plantation	poplars stands	261.9	259.8	255.7	249.6	242.8	234.6	227.2	216.5	205.8	193.4	181.8	168.5	156.6	146.1	136.8	128.8	121.9	116.0	111.0	106.8	103.3	100.3	97.8	95.7	94.0	92.6
productive	plantation	other broadleaves stands	2.0	2.0	2.1	2.1	2.2	2.2	2.3	2.3	2.3	2.4	2.4	2.5	2.5	2.5	2.6	2.6	2.6	2.6	2.7	2.7	2.7	2.7	2.8	2.8	2.8	2.8
productive	plantation	conifers stands	1.6	1.7	1.8	1.9	1.9	2.0	2.1	2.2	2.3	2.4	2.5	2.6	2.7	2.8	2.9	3.0	3.0	3.1	3.2	3.2	3.3	3.3	3.4	3.4	3.5	3.5
productive	plantation	others	109.4	111.9	114.3	116.7	118.9	121.1	123.2	124.5	125.7	126.8	127.8	128.1	128.3	128.3	128.2	128.0	127.6	127.3	126.8	126.2	125.6	125.0	124.3	123.6	122.9	122.1
protective	other	rupicolous forest	92.0	93.5	94.9	96.3	97.7	99.2	100.7	101.9	103.2	104.4	105.7	106.8	107.8	108.8	109.9	110.9	111.8	112.8	113.8	114.8	115.8	116.7	117.6	118.5	119.4	120.3
protective	other	riparian forest	58.1	58.6	59.1	59.5	60.0	60.5	61.0	61.3	61.6	61.9	62.3	62.4	62.6	62.8	63.0	63.1	63.3	63.5	63.6	63.8	63.9	64.1	64.2	64.4	64.5	64.6

Aboveground biomass increments (t C) in the period 2000-2025

Puglia																													
FMPs																													
function	structure	forest type	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025
productive	stand	norway spruce	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
productive	stand	silver fir	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
productive	stand	larches	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
productive	stand	mountain pines	8.4	8.6	8.7	8.9	9.0	9.2	9.3	9.4	9.6	9.7	9.8	9.9	9.9	9.9	9.9	10.0	10.0	10.0	10.0	10.0	10.0	10.1	10.1	10.1	10.1	10.1
productive	stand	mediterranean pines	74.3	75.1	75.9	76.7	77.4	78.1	78.7	79.8	80.8	81.8	82.9	82.8	82.8	82.8	82.9	82.9	82.9	82.9	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0
productive	stand	other conifers	1.2	1.2	1.3	1.4	1.4	1.5	1.6	1.6	1.6	1.7	1.7	1.8	1.8	1.8	1.9	1.9	1.9	2.0	2.0	2.0	2.1	2.1	2.1	2.1	2.2	2.2
productive	stand	european beech	8.3	8.6	8.9	9.1	9.4	9.6	9.9	9.9	10.0	10.1	10.2	10.2	10.2	10.3	10.4	10.5	10.6	10.7	10.8	10.9	11.0	11.0	11.1	11.2	11.3	11.4
productive	stand	turkey oak	32.7	33.0	33.4	33.7	34.0	34.3	34.6	35.0	35.5	35.9	36.4	36.4	36.3	36.4	36.4	36.4	36.4	36.4	36.4	36.4	36.4	36.4	36.4	36.4	36.4	36.4
productive	stand	other oaks	14.5	14.8	15.1	15.3	15.6	15.8	16.0	16.1	16.3	16.5	16.6	16.6	16.6	16.6	16.7	16.7	16.8	16.8	16.9	16.9	16.9	17.0	17.0	17.0	17.0	17.1
productive	stand	other broadleaves	40.6	41.1	41.8	42.2	42.9	43.4	44.0	44.1	44.5	44.8	45.1	45.0	44.7	44.7	44.8	44.8	44.9	45.0	45.0	45.1	45.1	45.2	45.2	45.2	45.3	45.3
productive	coppice	european beech	1.3	1.2	1.2	1.1	1.0	0.9	0.9	0.9	0.8	0.8	0.8	0.8	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.6	0.6
productive	coppice	sweet chestnut	5.5	5.5	5.5	5.4	5.3	5.3	5.4	5.4	5.3	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.3
productive	coppice	hornbeams	4.2	4.2	4.2	4.3	4.3	4.4	4.4	4.5	4.5	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6
productive	coppice	other oaks	25.1	24.4	24.5	23.8	22.7	22.9	22.9	22.8	22.5	22.6	22.6	22.4	22.2	22.1	22.0	22.0	21.9	21.8	21.8	21.8	21.7	21.7	21.7	21.7	21.7	21.7
productive	coppice	turkey oak	2.5	2.5	2.5	2.5	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3
productive	coppice	evergreen oaks	10.9	10.8	10.9	10.8	10.6	10.7	10.7	10.8	10.8	10.9	11.0	11.0	11.0	10.9	10.9	10.9	10.9	10.9	10.9	10.9	10.9	10.9	10.9	10.9	10.9	10.9
productive	coppice	other broadleaves	3.6	3.5	3.6	3.5	3.4	3.5	3.5	3.5	3.5	3.6	3.6	3.6	3.6	3.6	3.6	3.6	3.6	3.6	3.6	3.6	3.6	3.6	3.6	3.6	3.6	3.6
productive	coppice	conifers	1.2	1.2	1.2	1.1	1.0	1.0	1.0	1.0	0.9	0.9	0.9	0.9	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.7	0.7	0.7	0.7	0.7	0.7
productive	plantation	eucaliptus coppices	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
productive	plantation	other broadleaves coppic	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
productive	plantation	poplars stands	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
productive	plantation	other broadleaves stands	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
productive	plantation	conifers stands	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
productive	plantation	others	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
protective	other	rupicolous forest	3.0	3.0	3.1	3.2	3.2	3.3	3.4	3.4	3.4	3.5	3.5	3.6	3.6	3.6	3.7	3.7	3.7	3.8	3.8	3.8	3.9	3.9	3.9	4.0	4.0	4.0
protective	other	riparian forest	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Aboveground biomass increments (t C) in the period 2000-2025

Sardegna																													
FMPs																													
function	structure	forest type	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025
productive	stand	norway spruce	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
productive	stand	silver fir	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
productive	stand	larches	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
productive	stand	mountain pines	9.3	9.5	9.7	9.9	10.1	10.2	10.4	10.5	10.5	10.6	10.7	10.7	10.8	10.8	10.8	10.8	10.8	10.8	10.8	10.8	10.8	10.8	10.8	10.8	10.8	10.8
productive	stand	mediterranean pines	48.1	49.3	50.5	51.5	52.6	53.6	54.5	54.9	55.4	55.8	56.3	56.4	56.4	56.4	56.4	56.2	56.1	55.8	55.6	55.3	55.0	54.6	54.2	53.8	53.4	52.9
productive	stand	other conifers	1.8	1.8	1.9	2.0	2.0	2.1	2.2	2.2	2.3	2.3	2.4	2.4	2.5	2.5	2.6	2.6	2.6	2.7	2.7	2.8	2.8	2.8	2.9	2.9	2.9	3.0
productive	stand	european beech	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
productive	stand	turkey oak	3.6	3.7	3.7	3.8	3.9	3.9	4.0	4.0	4.1	4.1	4.2	4.2	4.2	4.3	4.3	4.3	4.3	4.4	4.4	4.4	4.5	4.5	4.5	4.5	4.6	4.6
productive	stand	other oaks	86.0	87.5	89.4	90.8	92.7	94.5	96.4	97.0	98.3	99.1	100.4	101.2	102.0	102.7	103.4	104.1	104.6	105.1	105.5	105.8	106.0	106.2	106.3	106.3	106.3	106.1
productive	stand	other broadleaves	13.5	13.8	14.2	14.5	14.9	15.2	15.6	15.7	16.0	16.2	16.5	16.7	16.9	17.1	17.3	17.5	17.6	17.8	18.0	18.2	18.3	18.5	18.7	18.8	19.0	19.1
productive	coppice	european beech	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
productive	coppice	sweet chestnut	35.7	35.5	35.1	34.7	34.2	33.6	33.0	32.2	31.2	30.6	29.7	28.5	27.3	26.2	25.2	24.2	23.4	22.6	21.9	21.2	20.7	20.1	19.7	19.3	18.9	18.5
productive	coppice	hornbeams	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
productive	coppice	other oaks	12.4	12.7	13.1	13.4	13.8	14.2	14.6	14.9	15.2	15.5	15.9	16.2	16.6	16.9	17.3	17.6	18.0	18.3	18.7	19.1	19.4	19.8	20.1	20.5	20.9	21.2
productive	coppice	turkey oak	5.5	5.5	5.5	5.5	5.5	5.5	5.5	5.5	5.4	5.4	5.4	5.3	5.2	5.1	5.0	5.0	4.9	4.8	4.8	4.7	4.6	4.6	4.5	4.5	4.4	4.4
productive	coppice	evergreen oaks	114.3	115.8	117.2	118.7	120.1	121.5	122.9	123.7	124.6	125.3	126.1	126.4	126.7	126.9	127.2	127.4	127.6	127.8	128.0	128.1	128.3	128.4	128.6	128.7	128.8	128.9
productive	coppice	other broadleaves	177.5	181.3	184.7	187.7	190.4	192.8	194.8	195.4	195.5	195.6	195.0	193.0	190.6	187.8	184.8	181.4	178.1	174.5	170.9	167.3	163.7	160.1	156.6	153.2	149.9	146.8
productive	coppice	conifers	11.4	11.7	12.0	12.3	12.5	12.8	13.1	13.3	13.6	13.7	14.0	14.2	14.3	14.5	14.7	14.8	15.0	15.1	15.2	15.4	15.5	15.6	15.7	15.9	16.0	16.1
productive	plantation	eucaliptus coppices	0.9	0.9	0.8	0.8	0.8	0.8	0.8	0.7	0.7	0.7	0.6	0.6	0.5	0.5	0.5	0.5	0.5	0.5	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
productive	plantation	other broadleaves coppic	3.4	3.2	3.1	3.1	3.0	3.0	2.9	2.8	2.6	2.7	2.5	2.3	2.1	2.0	1.9	1.8	1.8	1.8	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7
productive	plantation	poplars stands	6.6	6.6	6.6	6.6	6.7	6.7	6.7	6.0	5.5	5.5	5.4	4.7	4.3	4.1	4.1	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
productive	plantation	other broadleaves stands	9.0	9.1	9.3	9.4	9.6	9.8	9.9	10.0	10.1	10.2	10.3	10.4	10.4	10.5	10.6	10.7	10.7	10.8	10.9	10.9	11.0	11.1	11.1	11.2	11.3	11.3
productive	plantation	conifers stands	32.8	33.8	35.0	36.0	37.1	38.3	39.4	39.8	40.7	41.3	42.0	42.6	43.0	43.4	43.8	44.1	44.3	44.5	44.6	44.7	44.7	44.6	44.6	44.4	44.3	44.1
productive	plantation	others	373.5	376.9	379.6	382.9	385.3	387.5	389.6	391.4	391.0	392.0	391.6	389.1	386.5	383.9	381.0	377.8	375.1	371.9	368.7	365.5	362.3	359.1	355.9	352.8	349.7	346.6
protective	other	rupicolous forest	102.1	103.2	104.9	105.8	107.5	109.3	111.0	110.8	112.2	112.6	113.9	114.8	115.7	116.5	117.5	118.5	119.3	120.3	121.2	122.2	123.1	124.0	124.9	125.8	126.6	127.5
protective	other	riparian forest	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Aboveground biomass increments (t C) in the period 2000-2025

Sicilia																													
FMPs																													
function	structure	forest type	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025
productive	stand	norway spruce	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
productive	stand	silver fir	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
productive	stand	larches	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
productive	stand	mountain pines	18.8	19.5	20.3	21.0	21.7	22.4	23.2	23.4	24.2	25.1	25.8	26.5	26.4	27.1	27.5	28.3	28.7	29.3	29.8	30.4	30.9	31.4	31.9	32.4	32.8	33.3
productive	stand	mediterranean pines	57.1	58.4	59.8	61.1	62.3	63.6	64.9	65.3	66.8	68.3	69.6	70.3	69.9	70.8	71.3	72.1	72.5	73.1	73.7	74.2	74.7	75.2	75.7	76.1	76.6	77.0
productive	stand	other conifers	3.8	3.9	4.0	4.1	4.2	4.3	4.4	4.5	4.6	4.7	4.8	4.9	4.9	4.9	5.0	5.1	5.1	5.2	5.2	5.3	5.4	5.4	5.5	5.5	5.6	5.6
productive	stand	european beech	7.0	7.2	7.5	7.7	8.0	8.2	8.5	8.5	8.8	9.1	9.3	9.5	9.5	9.7	9.9	10.1	10.3	10.5	10.7	10.9	11.0	11.2	11.4	11.6	11.8	11.9
productive	stand	turkey oak	34.9	35.6	36.5	37.2	37.9	38.7	39.4	39.6	40.5	41.4	42.2	42.6	42.3	42.8	43.1	43.6	43.8	44.2	44.5	44.9	45.2	45.5	45.8	46.1	46.3	46.6
productive	stand	other oaks	92.6	94.5	96.6	98.3	100.1	101.8	103.4	104.1	106.1	108.1	109.8	110.4	110.0	110.7	111.0	111.4	111.5	111.6	111.7	111.6	111.4	111.2	110.8	110.4	110.0	109.5
productive	stand	other broadleaves	71.7	73.2	74.9	76.3	77.8	79.3	80.8	81.2	82.9	84.8	86.3	87.2	86.6	87.7	88.2	89.3	89.8	90.6	91.3	92.0	92.8	93.4	94.1	94.8	95.4	96.0
productive	coppice	european beech	24.3	24.5	24.8	25.0	25.2	25.5	25.7	25.8	26.1	26.5	26.6	26.5	25.7	25.7	25.6	25.6	25.3	25.3	25.2	25.2	25.2	25.1	25.1	25.1	25.0	25.0
productive	coppice	sweet chestnut	14.1	14.3	14.6	14.8	15.0	15.2	15.4	15.5	15.8	16.0	16.2	16.2	16.1	16.1	16.1	16.2	16.2	16.2	16.2	16.3	16.3	16.3	16.3	16.3	16.4	16.4
productive	coppice	hornbeams	1.6	1.6	1.6	1.6	1.6	1.7	1.7	1.7	1.7	1.7	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8
productive	coppice	other oaks	55.3	55.2	54.4	54.5	54.5	54.6	54.8	56.2	56.5	56.2	58.0	57.7	62.1	60.9	61.0	59.9	61.0	60.3	59.6	59.0	58.5	58.0	57.6	57.2	56.8	56.5
productive	coppice	turkey oak	13.4	13.6	13.7	13.9	14.2	14.4	14.7	15.2	15.4	15.5	16.1	16.1	17.0	16.9	17.0	16.9	17.2	17.1	17.1	17.0	17.0	17.0	16.9	16.9	16.9	16.8
productive	coppice	evergreen oaks	15.4	15.5	15.7	15.9	16.1	16.2	16.4	16.6	16.8	17.0	17.2	17.2	17.0	17.0	17.0	17.0	17.0	17.0	17.0	17.0	17.0	17.0	17.0	17.0	17.0	17.0
productive	coppice	other broadleaves	7.9	8.0	8.2	8.3	8.4	8.5	8.5	8.7	8.8	8.8	8.9	8.9	9.0	9.0	9.0	8.9	8.9	8.9	8.9	8.8	8.8	8.8	8.7	8.7	8.7	8.6
productive	coppice	conifers	2.7	2.8	2.8	2.9	2.9	3.0	3.0	3.1	3.1	3.2	3.2	3.2	3.1	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.3	3.3	3.3	3.3	3.3
productive	plantation	eucaliptus coppices	1.5	1.5	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.3	1.3	1.2	1.5	1.4	1.3	1.2	1.2	1.1	1.1	1.0	0.9	0.9	0.9	0.8	0.8	0.8
productive	plantation	other broadleaves coppic	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.3	0.3	0.3	0.3	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.1	0.1
productive	plantation	poplars stands	0.6	0.5	0.5	0.4	0.4	0.4	0.4	0.4	0.4	0.3	1.5	1.8	1.9	1.9	1.9	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0
productive	plantation	other broadleaves stands	1.0	1.0	1.0	1.1	1.1	1.1	1.1	1.1	1.1	1.2	1.1	1.0	0.9	0.8	0.8	0.8	0.7	0.7	0.7	0.7	0.6	0.6	0.6	0.6	0.6	0.6
productive	plantation	conifers stands	0.3	0.3	0.3	0.3	0.3	0.3	0.4	0.4	0.4	0.4	0.3	0.3	0.2	0.2	0.2	0.2	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
productive	plantation	others	15.4	15.6	15.8	16.0	16.2	16.4	16.5	16.7	17.0	17.2	17.0	16.3	15.0	14.1	13.1	12.3	11.4	10.7	10.1	9.6	9.1	8.8	8.4	8.1	7.9	7.6
protective	other	rupicolous forest	42.3	43.2	44.4	45.2	46.2	47.1	48.1	47.9	49.0	50.3	51.2	51.9	51.0	52.0	52.4	53.4	53.7	54.4	55.1	55.7	56.3	56.9	57.5	58.1	58.7	59.3
protective	other	riparian forest	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Aboveground biomass increments (t C) in the period 2000-2025

Toscana																												
FMPs																												
function	structure	forest type	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025
productive	stand	norway spruce	1.0	1.0	1.1	1.1	1.2	1.2	1.3	1.3	1.4	1.4	1.5	1.5	1.5	1.6	1.6	1.7	1.7	1.8	1.8	1.9	1.9	1.9	2.0	2.0	2.0	2.1
productive	stand	silver fir	4.1	4.2	4.2	4.3	4.3	4.4	4.5	4.5	4.6	4.6	4.7	4.7	4.8	4.8	4.8	4.8	4.9	4.9	4.9	5.0	5.0	5.0	5.0	5.0	5.1	5.1
productive	stand	larches	0.9	0.9	0.9	1.0	1.0	1.0	1.1	1.1	1.2	1.2	1.3	1.3	1.3	1.4	1.4	1.5	1.5	1.6	1.6	1.7	1.7	1.8	1.8	1.9	1.9	2.0
productive	stand	mountain pines	65.9	66.6	67.2	67.8	68.5	69.1	69.7	70.1	70.5	70.8	71.2	71.2	71.2	71.2	71.2	71.2	71.1	71.0	71.0	70.9	70.8	70.7	70.6	70.4	70.3	70.2
productive	stand	mediterranean pines	125.4	126.1	126.8	127.6	128.3	128.9	129.5	129.6	129.6	129.9	129.9	129.3	128.7	128.0	127.2	126.5	125.7	125.0	124.3	123.5	122.8	122.1	121.4	120.7	120.0	119.3
productive	stand	other conifers	11.1	11.3	11.4	11.5	11.7	11.8	12.0	12.1	12.2	12.3	12.4	12.5	12.5	12.6	12.7	12.7	12.8	12.9	12.9	13.0	13.0	13.1	13.1	13.2	13.2	13.2
productive	stand	european beech	61.1	61.7	62.3	62.7	63.2	63.8	64.4	64.8	65.3	65.6	66.1	66.2	66.4	66.6	66.8	67.0	67.1	67.3	67.5	67.6	67.7	67.9	68.0	68.1	68.3	68.4
productive	stand	turkey oak	12.7	12.8	12.9	13.0	13.1	13.2	13.3	13.4	13.4	13.5	13.5	13.6	13.6	13.6	13.6	13.6	13.6	13.6	13.6	13.6	13.6	13.6	13.6	13.6	13.6	13.6
productive	stand	other oaks	28.6	28.7	28.9	29.3	29.4	29.6	29.7	29.7	29.6	29.7	29.7	29.5	29.3	29.0	28.8	28.5	28.3	28.0	27.8	27.6	27.4	27.2	27.0	26.8	26.7	26.5
productive	stand	other broadleaves	46.6	47.0	47.5	47.7	48.2	48.6	49.0	49.3	49.7	49.9	50.3	50.4	50.5	50.6	50.8	50.9	51.1	51.2	51.3	51.4	51.6	51.7	51.8	51.9	52.0	52.1
productive	coppice	european beech	92.0	92.7	93.4	94.1	94.8	95.5	96.2	96.6	97.1	97.5	97.9	97.9	97.8	97.8	97.8	97.7	97.7	97.7	97.6	97.6	97.5	97.5	97.5	97.4	97.4	97.3
productive	coppice	sweet chestnut	629.4	643.4	656.5	669.1	681.3	694.0	707.7	720.4	732.9	745.1	756.2	764.9	772.9	780.8	788.2	795.2	801.8	808.0	813.8	819.3	824.4	829.2	833.6	837.8	841.6	845.1
productive	coppice	hornbeams	63.1	63.5	64.0	64.5	65.0	65.5	65.8	65.8	65.9	65.9	66.0	65.7	65.5	65.2	64.9	64.7	64.5	64.2	64.0	63.8	63.6	63.4	63.2	63.0	62.8	62.7
productive	coppice	other oaks	192.0	193.5	195.0	196.4	197.9	199.4	200.8	201.7	202.5	203.4	204.2	204.1	204.0	203.9	203.7	203.6	203.5	203.3	203.2	203.0	202.8	202.7	202.5	202.3	202.2	202.0
productive	coppice	turkey oak	148.7	150.0	151.4	152.8	154.3	155.6	156.7	157.2	157.6	158.1	158.7	158.3	158.1	157.7	157.4	157.1	156.8	156.5	156.3	156.0	155.8	155.5	155.3	155.0	154.8	154.6
productive	coppice	evergreen oaks	52.7	53.1	53.5	53.9	54.3	54.7	55.1	55.4	55.7	56.0	56.2	56.3	56.3	56.3	56.4	56.4	56.4	56.4	56.4	56.4	56.4	56.5	56.5	56.5	56.5	56.5
productive	coppice	other broadleaves	445.8	446.6	447.3	447.8	448.3	448.1	447.0	443.3	439.2	434.7	431.0	423.9	417.0	409.7	402.6	395.6	389.0	382.5	376.3	370.4	364.7	359.4	354.4	349.6	345.2	341.1
productive	coppice	conifers	36.4	37.0	37.5	38.0	38.5	39.0	39.6	40.1	40.6	41.1	41.5	41.9	42.1	42.4	42.7	43.0	43.2	43.5	43.7	43.9	44.2	44.4	44.6	44.8	45.0	45.1
productive	plantation	eucaliptus coppices	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
productive	plantation	other broadleaves coppic	1.0	0.9	0.9	0.9	0.9	0.9	0.8	0.8	0.7	0.7	0.6	0.6	0.5	0.5	0.5	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
productive	plantation	poplars stands	4.1	4.0	4.1	4.0	4.1	4.0	3.9	3.7	3.2	2.8	2.7	2.3	2.1	2.0	2.0	2.0	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9
productive	plantation	other broadleaves stands	1.8	1.8	1.9	1.9	1.9	1.9	2.0	2.0	2.0	2.0	2.0	2.1	2.1	2.1	2.1	2.1	2.1	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.3
productive	plantation	conifers stands	2.0	2.0	2.1	2.1	2.2	2.3	2.3	2.3	2.4	2.4	2.5	2.5	2.5	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6
productive	plantation	others	87.4	87.9	88.4	89.0	89.5	89.9	90.3	90.5	90.4	90.4	90.3	89.7	89.1	88.4	87.6	86.8	86.1	85.3	84.5	83.8	83.0	82.2	81.5	80.7	80.0	79.3
protective	other	rupicolous forest	118.4	120.8	123.2	125.3	127.7	130.1	132.4	134.5	136.6	138.3	140.3	141.8	143.1	144.6	146.1	147.4	148.8	150.0	151.2	152.3	153.4	154.4	155.4	156.4	157.3	158.2
protective	other	riparian forest	7.0	7.1	7.1	7.2	7.2	7.3	7.3	7.4	7.4	7.4	7.5	7.5	7.5	7.5	7.6	7.6	7.6	7.6	7.6	7.7	7.7	7.7	7.7	7.7	7.7	7.7

Aboveground biomass increments (t C) in the period 2000-2025

Trentino																													
FMPs																													
function	structure	forest type	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025
productive	stand	norway spruce	146.4	147.2	147.9	148.5	149.2	149.8	150.4	151.8	153.1	154.5	155.8	155.8	155.7	155.7	155.6	155.6	155.5	155.5	155.4	155.4	155.4	155.3	155.3	155.2	155.2	155.1
productive	stand	silver fir	37.7	37.9	38.0	38.2	38.4	38.6	38.7	39.1	39.5	39.8	40.2	40.2	40.2	40.2	40.1	40.1	40.1	40.1	40.1	40.1	40.1	40.1	40.1	40.1	40.0	40.0
productive	stand	larches	90.1	90.5	91.0	91.4	91.8	92.2	92.6	93.4	94.2	95.0	95.8	95.8	95.8	95.8	95.8	95.8	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	96.0
productive	stand	mountain pines	104.1	105.8	107.3	108.6	110.3	111.8	113.1	114.6	116.3	117.8	119.5	120.9	122.3	123.7	125.1	126.5	127.9	129.2	130.6	132.0	133.3	134.7	136.0	137.3	138.7	140.0
productive	stand	mediterranean pines	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
productive	stand	other conifers	2.4	2.4	2.5	2.5	2.5	2.6	2.6	2.6	2.7	2.7	2.7	2.7	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.9	2.9	2.9	2.9	2.9	2.9
productive	stand	european beech	7.7	7.8	7.8	7.9	8.0	8.0	8.1	8.2	8.3	8.3	8.4	8.5	8.5	8.5	8.6	8.6	8.7	8.7	8.7	8.8	8.8	8.8	8.9	8.9	8.9	8.9
productive	stand	turkey oak	2.8	2.8	2.8	2.8	2.9	2.9	2.9	2.9	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0
productive	stand	other oaks	3.6	3.6	3.6	3.6	3.7	3.7	3.7	3.7	3.8	3.8	3.9	3.9	3.8	3.8	3.8	3.8	3.8	3.8	3.7	3.7	3.7	3.7	3.7	3.6	3.6	3.6
productive	stand	other broadleaves	10.1	10.2	10.3	10.3	10.4	10.5	10.6	10.7	10.8	10.9	11.0	11.1	11.1	11.1	11.2	11.2	11.2	11.3	11.3	11.3	11.4	11.4	11.4	11.4	11.5	11.5
productive	coppice	european beech	11.5	11.2	10.9	10.6	10.3	9.9	9.5	9.2	8.8	8.4	8.0	7.6	7.2	7.0	6.7	6.5	6.3	6.2	6.1	5.9	5.9	5.8	5.7	5.7	5.6	5.6
productive	coppice	sweet chestnut	9.7	9.7	9.7	9.7	9.7	9.6	9.5	9.4	9.3	9.2	9.0	8.8	8.6	8.5	8.3	8.2	8.1	8.0	7.9	7.8	7.8	7.7	7.7	7.6	7.6	7.5
productive	coppice	hornbeams	14.6	14.7	14.8	14.9	15.0	15.2	15.3	15.5	15.8	16.0	16.2	16.2	16.2	16.2	16.2	16.2	16.2	16.2	16.2	16.2	16.2	16.2	16.2	16.2	16.2	16.2
productive	coppice	other oaks	19.6	19.6	19.7	19.7	19.8	19.8	19.8	19.9	20.0	20.1	20.1	19.9	19.8	19.7	19.6	19.5	19.4	19.3	19.3	19.2	19.2	19.2	19.1	19.1	19.1	19.1
productive	coppice	turkey oak	4.8	4.8	4.8	4.8	4.9	4.9	4.9	4.9	5.0	5.0	5.0	5.0	5.0	5.0	4.9	4.9	4.9	4.9	4.9	4.9	4.9	4.9	4.9	4.9	4.9	4.9
productive	coppice	evergreen oaks	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
productive	coppice	other broadleaves	69.1	69.3	69.6	69.5	69.7	69.3	68.7	68.8	68.6	68.0	67.4	66.4	65.5	64.8	64.2	63.6	63.2	62.8	62.5	62.2	62.0	61.8	61.6	61.5	61.3	61.2
productive	coppice	conifers	17.9	17.7	17.6	17.3	17.1	16.7	16.2	15.9	15.5	15.0	14.4	13.8	13.2	12.7	12.3	11.9	11.5	11.2	10.9	10.6	10.4	10.2	10.0	9.8	9.6	9.5
productive	plantation	eucaliptus coppices	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
productive	plantation	other broadleaves coppic	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
productive	plantation	poplars stands	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
productive	plantation	other broadleaves stands	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
productive	plantation	conifers stands	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
productive	plantation	others	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
protective	other	rupicolous forest	53.0	53.5	54.1	54.7	55.3	55.8	56.4	57.1	57.8	58.5	59.3	59.7	60.2	60.7	61.1	61.5	62.0	62.4	62.8	63.2	63.7	64.1	64.5	64.8	65.2	65.6
protective	other	riparian forest	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Aboveground biomass increments (t C) in the period 2000-2025

Umbria																												
FMPs																												
function	structure	forest type	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025
productive	stand	norway spruce	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
productive	stand	silver fir	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
productive	stand	larches	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
productive	stand	mountain pines	44.7	45.3	45.8	46.4	46.9	47.4	47.8	48.3	48.8	49.3	49.7	49.8	49.9	49.9	50.0	50.0	50.0	50.0	50.0	50.0	49.9	49.9	49.8	49.7	49.6	49.6
productive	stand	mediterranean pines	31.7	31.9	32.1	32.3	32.5	32.7	32.9	33.1	33.2	33.4	33.5	33.4	33.3	33.1	32.9	32.8	32.6	32.4	32.2	31.9	31.7	31.5	31.3	31.1	30.9	30.7
productive	stand	other conifers	2.1	2.1	2.2	2.2	2.2	2.3	2.3	2.3	2.4	2.4	2.4	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.7
productive	stand	european beech	22.0	22.2	22.5	22.8	23.1	23.3	23.6	23.8	24.1	24.4	24.7	24.8	24.9	25.0	25.1	25.3	25.4	25.5	25.6	25.7	25.8	25.9	26.0	26.1	26.2	26.3
productive	stand	turkey oak	4.2	4.2	4.2	4.2	4.3	4.3	4.3	4.4	4.4	4.4	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5
productive	stand	other oaks	11.0	11.1	11.1	11.1	11.2	11.2	11.2	11.3	11.3	11.3	11.3	11.2	11.2	11.1	11.0	10.9	10.8	10.6	10.5	10.4	10.3	10.2	10.1	10.0	9.9	9.8
productive	stand	other broadleaves	2.0	2.0	2.0	2.0	2.1	2.1	2.1	2.1	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3
productive	coppice	european beech	20.9	20.9	21.0	20.9	20.9	20.8	20.8	20.6	20.5	20.5	20.5	20.4	20.2	20.1	20.0	19.9	19.8	19.7	19.6	19.6	19.5	19.4	19.4	19.3	19.3	19.2
productive	coppice	sweet chestnut	19.1	19.3	19.5	19.4	19.4	19.3	19.3	18.9	18.8	18.7	18.7	18.6	18.5	18.4	18.4	18.3	18.2	18.2	18.1	18.1	18.0	18.0	17.9	17.9	17.8	17.8
productive	coppice	hornbeams	42.3	42.8	43.1	43.8	44.3	44.8	45.3	46.0	46.5	47.0	47.4	47.5	47.5	47.5	47.6	47.6	47.6	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.8	47.8
productive	coppice	other oaks	198.5	199.7	200.4	205.0	207.6	211.0	213.5	219.4	222.5	224.7	226.8	226.7	226.8	226.6	226.4	226.3	226.2	226.1	226.1	226.0	226.0	225.9	225.9	225.9	225.9	225.8
productive	coppice	turkey oak	58.1	58.6	59.1	59.6	60.1	60.5	61.0	61.4	61.8	62.3	62.7	62.6	62.6	62.5	62.5	62.5	62.4	62.4	62.4	62.3	62.3	62.3	62.3	62.2	62.2	62.2
productive	coppice	evergreen oaks	28.2	28.3	28.5	28.4	28.4	28.4	28.5	28.4	28.4	28.4	28.5	28.4	28.3	28.2	28.1	28.0	28.0	27.9	27.8	27.8	27.7	27.7	27.6	27.6	27.6	27.5
productive	coppice	other broadleaves	84.8	85.7	86.6	86.7	87.2	87.5	87.9	87.5	87.8	88.2	88.7	88.7	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6
productive	coppice	conifers	5.7	5.7	5.7	5.7	5.7	5.6	5.6	5.5	5.5	5.4	5.4	5.4	5.4	5.3	5.3	5.3	5.2	5.2	5.2	5.2	5.1	5.1	5.1	5.1	5.1	5.0
productive	plantation	eucaliptus coppices	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
productive	plantation	other broadleaves coppi	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
productive	plantation	poplars stands	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
productive	plantation	other broadleaves stand	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
productive	plantation	conifers stands	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
productive	plantation	others	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
protective	other	rupicolous forest	39.2	39.9	40.7	41.4	42.2	42.9	43.6	44.3	45.0	45.8	46.4	46.9	47.1	47.6	48.0	48.4	48.8	49.2	49.5	49.8	50.2	50.5	50.7	51.0	51.3	51.5
protective	other	riparian forest	5.4	5.4	5.5	5.5	5.5	5.6	5.6	5.7	5.7	5.8	5.8	5.8	5.8	5.8	5.8	5.9	5.9	5.9	5.9	5.9	5.9	5.9	5.9	6.0	6.0	6.0

Aboveground biomass increments (t C) in the period 2000-2025

Valle_D_Aosta																												
FMPs																												
function	structure	forest type	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025
productive	stand	norway spruce	15.0	15.2	15.4	15.5	15.7	15.8	16.0	16.1	16.2	16.4	16.5	16.5	16.5	16.6	16.6	16.6	16.7	16.7	16.7	16.7	16.8	16.8	16.8	16.8	16.8	16.8
productive	stand	silver fir	1.8	1.8	1.8	1.9	1.9	1.9	1.9	1.9	1.9	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0
productive	stand	larches	44.9	45.4	46.0	46.5	47.1	47.6	48.2	48.6	48.9	49.3	49.7	49.9	50.0	50.2	50.3	50.4	50.5	50.6	50.7	50.7	50.8	50.8	50.9	50.9	50.9	50.9
productive	stand	mountain pines	37.8	38.9	40.1	41.1	42.3	43.4	44.6	45.8	47.0	48.2	49.4	50.6	51.8	53.0	54.2	55.4	56.6	57.8	59.0	60.2	61.4	62.6	63.8	65.0	66.2	67.4
productive	stand	mediterranean pines	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
productive	stand	other conifers	2.4	2.4	2.5	2.5	2.6	2.6	2.7	2.7	2.7	2.8	2.8	2.8	2.9	2.9	2.9	2.9	2.9	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.1	3.1
productive	stand	european beech	6.5	6.6	6.7	6.8	6.9	7.0	7.1	7.1	7.2	7.3	7.4	7.4	7.4	7.5	7.5	7.6	7.6	7.6	7.7	7.7	7.7	7.8	7.8	7.8	7.8	7.9
productive	stand	turkey oak	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
productive	stand	other oaks	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.2	2.2	2.1	2.1	2.0	2.0	1.9	1.9	1.8	1.8	1.8	1.7	1.7	1.6	1.6
productive	stand	other broadleaves	11.6	11.8	12.0	12.1	12.3	12.4	12.6	12.7	12.8	13.0	13.1	13.2	13.2	13.3	13.3	13.4	13.5	13.5	13.6	13.6	13.7	13.7	13.8	13.8	13.9	13.9
productive	coppice	european beech	2.7	2.7	2.8	2.8	2.9	2.9	3.0	3.1	3.1	3.2	3.2	3.3	3.3	3.4	3.4	3.5	3.5	3.5	3.5	3.4	3.4	3.3	3.2	3.1	3.0	2.8
productive	coppice	sweet chestnut	12.7	12.9	13.0	13.2	13.3	13.5	13.6	13.7	13.8	13.9	13.9	13.9	13.9	13.8	13.8	13.7	13.7	13.6	13.6	13.5	13.4	13.4	13.3	13.2	13.1	13.1
productive	coppice	hornbeams	0.9	0.9	0.9	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.9
productive	coppice	other oaks	1.9	2.0	2.0	2.0	2.0	2.0	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1
productive	coppice	turkey oak	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
productive	coppice	evergreen oaks	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
productive	coppice	other broadleaves	4.9	4.9	4.9	4.9	4.9	4.9	4.9	4.8	4.8	4.7	4.7	4.6	4.4	4.3	4.2	4.1	4.0	3.9	3.9	3.8	3.7	3.6	3.6	3.5	3.4	3.4
productive	coppice	conifers	2.9	2.9	3.0	3.0	3.1	3.1	3.2	3.2	3.2	3.3	3.3	3.3	3.3	3.3	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.5	3.5	3.5	3.5	3.5
productive	plantation	eucaliptus coppices	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
productive	plantation	other broadleaves coppic	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
productive	plantation	poplars stands	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
productive	plantation	other broadleaves stands	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
productive	plantation	conifers stands	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
productive	plantation	others	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
protective	other	rupicolous forest	13.7	13.9	14.1	14.3	14.4	14.6	14.8	14.9	15.1	15.3	15.5	15.6	15.8	15.9	16.0	16.2	16.3	16.5	16.6	16.7	16.9	17.0	17.1	17.3	17.4	17.5
protective	other	riparian forest	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Aboveground biomass increments (t C) in the period 2000-2025

Veneto																													
FMPs																													
function	structure	forest type	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025
productive	stand	norway spruce	139.1	140.6	142.1	143.6	145.2	146.7	148.2	149.0	149.6	150.3	151.1	151.3	151.5	151.7	151.9	152.0	152.2	152.4	152.5	152.7	152.8	152.9	153.1	153.2	153.3	153.4
productive	stand	silver fir	7.5	7.6	7.7	7.7	7.8	7.9	8.0	8.0	8.1	8.1	8.1	8.1	8.2	8.2	8.2	8.2	8.2	8.2	8.2	8.2	8.2	8.2	8.2	8.2	8.2	8.2
productive	stand	larches	28.3	28.6	28.9	29.3	29.6	29.9	30.2	30.4	30.5	30.7	30.9	30.9	31.0	31.1	31.1	31.2	31.2	31.2	31.3	31.3	31.3	31.4	31.4	31.4	31.5	31.5
productive	stand	mountain pines	19.3	19.8	20.2	20.7	21.3	21.7	22.2	22.7	23.0	23.5	24.0	24.4	24.8	25.3	25.7	26.2	26.6	27.1	27.5	27.9	28.4	28.8	29.3	29.7	30.1	30.6
productive	stand	mediterranean pines	4.9	5.0	5.0	5.1	5.1	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.1	5.1	5.1	5.0	5.0	4.9	4.9	4.9	4.8	4.8	4.7	4.7	4.7
productive	stand	other conifers	7.6	7.8	7.9	8.0	8.2	8.3	8.4	8.5	8.6	8.7	8.8	8.8	8.9	8.9	9.0	9.0	9.1	9.1	9.2	9.2	9.3	9.3	9.3	9.4	9.4	9.4
productive	stand	european beech	27.5	27.9	28.2	28.6	28.9	29.3	29.7	29.9	30.0	30.3	30.5	30.6	30.8	30.9	31.0	31.1	31.3	31.4	31.5	31.6	31.7	31.8	31.9	32.0	32.1	32.2
productive	stand	turkey oak	5.0	5.0	5.1	5.1	5.2	5.3	5.3	5.3	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4
productive	stand	other oaks	5.2	5.2	5.2	5.3	5.3	5.3	5.4	5.3	5.4	5.3	5.3	5.2	5.2	5.1	5.0	5.0	4.9	4.8	4.7	4.7	4.6	4.6	4.5	4.5	4.4	4.4
productive	stand	other broadleaves	14.7	14.9	15.1	15.3	15.6	15.8	16.0	16.1	16.2	16.3	16.4	16.5	16.6	16.6	16.7	16.8	16.8	16.9	16.9	17.0	17.1	17.1	17.2	17.2	17.3	17.3
productive	coppice	european beech	91.7	92.9	94.7	96.8	98.4	100.1	101.7	103.5	105.0	106.9	108.4	109.7	110.9	112.2	113.4	114.6	115.8	116.9	118.1	119.2	120.2	121.3	122.3	123.3	124.3	125.3
productive	coppice	sweet chestnut	37.6	38.2	38.9	39.6	40.2	40.9	41.4	41.9	42.2	42.6	42.9	43.0	43.1	43.1	43.2	43.2	43.2	43.2	43.2	43.1	43.1	43.0	43.0	42.9	42.8	42.7
productive	coppice	hornbeams	36.0	36.6	37.0	37.3	37.8	38.2	38.6	38.7	38.7	38.7	38.8	38.7	38.5	38.4	38.2	38.1	38.0	37.9	37.7	37.6	37.5	37.4	37.3	37.2	37.1	37.0
productive	coppice	other oaks	11.3	11.5	11.6	11.7	11.8	12.0	12.1	12.2	12.2	12.3	12.3	12.3	12.3	12.3	12.3	12.3	12.3	12.3	12.3	12.3	12.3	12.2	12.2	12.2	12.2	12.2
productive	coppice	turkey oak	5.5	5.6	5.6	5.7	5.8	5.8	5.9	5.9	5.9	6.0	6.0	6.0	6.0	5.9	5.9	5.9	5.9	5.9	5.9	5.9	5.9	5.9	5.8	5.8	5.8	5.8
productive	coppice	evergreen oaks	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
productive	coppice	other broadleaves	134.7	136.0	136.9	137.6	138.4	139.1	139.9	139.1	138.4	137.3	136.5	134.6	132.7	130.8	128.9	127.0	125.1	123.4	121.6	120.0	118.4	116.9	115.5	114.1	112.8	111.7
productive	coppice	conifers	10.1	10.2	10.4	10.6	10.7	10.9	11.0	11.2	11.3	11.4	11.5	11.6	11.6	11.7	11.8	11.8	11.9	12.0	12.0	12.1	12.1	12.2	12.2	12.3	12.3	12.3
productive	plantation	eucaliptus coppices	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
productive	plantation	other broadleaves coppic	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
productive	plantation	poplars stands	28.8	28.3	27.8	26.5	25.1	23.7	22.3	20.6	19.0	17.6	16.3	14.8	13.5	12.4	11.4	10.6	9.9	9.3	8.8	8.4	8.0	7.8	7.5	7.3	7.2	7.0
productive	plantation	other broadleaves stands	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
productive	plantation	conifers stands	0.1	0.1	0.1	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
productive	plantation	others	7.4	7.5	7.6	7.7	7.8	7.9	8.0	8.0	8.0	8.0	8.0	8.0	7.9	7.9	7.8	7.8	7.7	7.6	7.5	7.5	7.4	7.3	7.2	7.2	7.1	7.0
protective	other	rupicolous forest	34.1	34.6	35.1	35.6	36.1	36.6	37.1	37.5	37.9	38.3	38.7	39.0	39.3	39.6	39.9	40.2	40.5	40.8	41.1	41.3	41.6	41.9	42.1	42.3	42.6	42.8
protective	other	riparian forest	60.0	60.6	61.2	61.7	62.3	63.0	63.6	64.0	64.4	64.8	65.2	65.4	65.6	65.9	66.1	66.3	66.5	66.7	66.9	67.1	67.3	67.5	67.6	67.8	68.0	68.1

Aboveground biomass increments (t C) in the period 2000-2025

Appendix III

This appendix contains data in format tables of the harvest quantities (m^3) in the period 2000-2025 for each FMP of each region/province.

Abruzzo		2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025
inventory typology															m^3												
stands	norway spruce	22	33	41	55	84	35	30	28	13	13	51	54	58	61	65	69	73	77	81	85	89	94	98	103	107	112
	silver fir	83	120	141	184	270	108	89	80	37	36	137	142	147	152	156	161	166	171	176	180	185	190	194	199	204	208
	larches	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	mountain pines	903	1,299	1,526	1,980	2,897	1,154	951	852	393	380	1,457	1,504	1,548	1,592	1,638	1,683	1,725	1,769	1,812	1,853	1,894	1,935	1,974	2,013	2,051	2,089
	mediterranean pines	102	148	174	226	332	132	109	98	45	44	167	173	178	183	188	193	197	202	206	211	215	219	223	227	231	234
	other conifers	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	european beech	7,476	10,556	12,175	15,527	22,351	8,767	7,118	6,291	2,866	2,731	10,528	10,744	10,948	11,153	11,368	11,586	11,790	12,004	12,213	12,421	12,626	12,830	13,033	13,233	13,431	13,627
	turkey oak	619	870	998	1,267	1,816	709	573	505	229	217	838	852	865	877	891	905	918	931	944	957	969	982	994	1,006	1,018	1,030
	other oaks	1,230	1,740	2,010	2,566	3,697	1,451	1,178	1,042	475	452	1,741	1,775	1,807	1,836	1,867	1,896	1,922	1,948	1,973	1,996	2,018	2,038	2,057	2,075	2,092	2,108
	other broadleaves	1,037	1,469	1,699	2,174	3,139	1,235	1,005	891	407	389	1,499	1,533	1,566	1,599	1,634	1,669	1,702	1,736	1,770	1,804	1,838	1,871	1,905	1,938	1,971	2,003
coppices	european beech	97,586	104,374	116,278	133,643	161,615	117,269	141,413	117,789	71,706	72,766	114,807	115,545	116,228	116,792	117,500	118,192	118,746	119,388	119,986	120,571	121,143	121,702	122,250	122,785	123,309	123,821
	sweet chestnut	23,679	26,217	30,190	35,819	44,655	33,366	41,378	35,404	22,124	23,011	36,094	37,147	38,153	39,088	40,036	40,942	41,765	42,580	43,341	44,060	44,736	45,370	45,964	46,518	47,033	47,513
	hornbeams	11,208	12,000	13,385	15,407	18,662	13,568	16,396	13,688	8,356	8,502	13,421	13,539	13,647	13,739	13,845	13,946	14,028	14,118	14,201	14,280	14,356	14,428	14,497	14,563	14,627	14,687
	other oaks	34,670	37,649	42,557	49,597	60,789	44,700	54,590	46,032	28,390	29,144	45,848	46,586	47,248	47,816	48,396	48,928	49,368	49,809	50,201	50,561	50,890	51,191	51,467	51,719	51,950	52,161
	turkey oak	6,551	7,027	7,853	9,057	10,993	8,009	9,700	8,115	4,967	5,064	7,993	8,078	8,156	8,222	8,294	8,362	8,417	8,476	8,529	8,579	8,625	8,669	8,710	8,749	8,785	8,819
	evergreen oaks	1,632	1,754	1,964	2,268	2,756	2,009	2,434	2,036	1,245	1,269	2,002	2,023	2,044	2,061	2,081	2,101	2,118	2,136	2,153	2,170	2,186	2,202	2,218	2,233	2,248	2,262
	other broadleaves	39,841	43,801	50,086	59,006	73,054	54,219	66,793	56,780	35,269	36,460	57,217	58,525	59,741	60,835	61,940	62,977	63,884	64,783	65,604	66,368	67,078	67,736	68,345	68,909	69,429	69,909
	conifers	5,277	5,764	6,553	7,681	9,468	6,999	8,594	7,285	4,511	4,654	7,325	7,490	7,649	7,800	7,960	8,117	8,264	8,416	8,564	8,709	8,853	8,994	9,134	9,271	9,406	9,539
plantations	eucalipttuses coppices	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	other broadleaves coppices	570	602	482	471	491	310	338	330	369	334	368	356	346	337	331	325	320	316	313	310	308	306	304	303	302	301
	poplars stands	8,346	9,463	8,184	8,565	9,538	6,418	7,374	7,506	8,886	8,270	8,816	8,839	8,856	8,870	8,880	8,888	8,894	8,899	8,902	8,905	8,907	8,909	8,910	8,911	8,912	8,913
	other broadleaves stands	3,251	3,328	2,614	2,528	2,625	1,661	1,818	1,781	1,993	1,816	2,024	1,969	1,923	1,888	1,862	1,843	1,825	1,813	1,804	1,796	1,790	1,785	1,781	1,778	1,776	1,774
	conifers stands	508	510	387	360	355	211	218	202	214	184	204	185	170	156	146	137	129	123	118	114	110	107	104	102	100	99
	others	38,931	40,150	31,601	30,485	31,427	19,609	21,206	20,518	22,655	20,348	22,542	21,545	20,680	19,952	19,360	18,862	18,414	18,050	17,734	17,462	17,227	17,026	16,852	16,702	16,572	16,460
protec	rupicolous forest	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	riparian forest	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	total (m^3)	283,523	308,873	330,900	378,866	461,012	321,939	383,305	327,252	215,150	216,084	335,079	338,605	341,957	345,010	348,437	351,780	354,666	357,746	360,624	363,390	366,043	368,584	371,015	373,337	375,553	377,668

Harvest quantities (m3) in the period 2000-2025

Alto_Adige		2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025
inventory typology															m^3												
stands	norway spruce	316,396	390,399	354,495	460,931	405,159	422,787	579,038	478,271	795,776	513,861	513,861	512,790	511,740	510,698	509,694	508,715	507,750	506,811	505,892	504,993	504,113	503,252	502,411	501,587	500,782	499,993
	silver fir	11,458	14,154	12,867	16,748	14,738	15,395	21,107	17,452	29,067	18,788	18,788	18,767	18,746	18,725	18,705	18,686	18,666	18,648	18,629	18,611	18,594	18,577	18,560	18,543	18,527	18,512
	larches	82,940	102,630	93,451	121,842	107,388	112,357	154,281	127,759	213,103	137,944	137,944	137,980	138,013	138,043	138,075	138,108	138,138	138,169	138,198	138,228	138,256	138,284	138,311	138,338	138,364	138,390
	mountain pines	102,123	128,648	119,228	158,183	141,832	150,928	210,733	177,395	300,770	197,866	197,866	201,150	204,448	207,754	211,079	214,418	217,766	221,127	224,497	227,877	231,265	234,660	238,062	241,470	244,883	248,299
	mediterranean pines	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	other conifers	3,135	3,969	3,695	4,923	4,430	4,731	6,625	5,593	9,503	6,263	6,263	6,371	6,478	6,584	6,688	6,791	6,893	6,993	7,091	7,188	7,284	7,378	7,471	7,562	7,652	7,740
	european beech	5,692	7,150	6,608	8,742	7,815	8,291	11,541	9,686	16,368	10,732	10,732	10,869	11,006	11,141	11,275	11,407	11,539	11,670	11,799	11,927	12,053	12,179	12,303	12,426	12,547	12,668
	turkey oak	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	other oaks	3,033	3,839	3,573	4,756	4,276	4,560	6,377	5,374	9,111	5,989	5,989	6,072	6,151	6,226	6,298	6,367	6,432	6,494	6,553	6,610	6,663	6,713	6,761	6,806	6,849	6,889
	other broadleaves	3,844	4,864	4,526	6,025	5,420	5,784	8,096	6,830	11,600	7,641	7,641	7,770	7,897	8,023	8,147	8,269	8,390	8,509	8,626	8,742	8,856	8,968	9,079	9,188	9,296	9,402
coppices	european beech	8,130	6,744	5,692	5,085	4,635	4,310	4,107	3,956	3,859	3,773	3,773	3,690	3,632	3,590	3,563	3,544	3,530	3,521	3,514	3,510	3,507	3,505	3,503	3,502	3,502	3,501
	sweet chestnut	29,542	27,010	24,818	23,787	22,924	22,242	21,869	21,539	21,351	21,120	21,120	20,832	20,618	20,454	20,341	20,260	20,195	20,151	20,118	20,094	20,076	20,063	20,054	20,047	20,042	20,038
	hornbeams	9,945	9,410	8,935	8,822	8,720	8,641	8,641	8,626	8,631	8,594	8,594	8,520	8,470	8,433	8,412	8,397	8,386	8,380	8,375	8,372	8,370	8,369	8,368	8,368	8,367	8,367
	other oaks	11,027	10,260	9,592	9,343	9,132	8,967	8,904	8,839	8,813	8,754	8,754	8,665	8,601	8,553	8,522	8,500	8,483	8,472	8,464	8,459	8,455	8,452	8,450	8,448	8,447	8,447
	turkey oak	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	evergreen oaks	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	other broadleaves	9,707	9,159	8,663	8,518	8,389	8,287	8,266	8,235	8,230	8,189	8,189	8,115	8,063	8,025	8,001	7,985	7,972	7,964	7,959	7,955	7,952	7,950	7,949	7,948	7,948	7,947
	conifers	4,525	3,795	3,198	2,817	2,505	2,255	2,071	1,918	1,804	1,706	1,706	1,602	1,519	1,453	1,400	1,359	1,325	1,298	1,276	1,259	1,244	1,233	1,223	1,216	1,210	1,205
plantations	eucalipttuses coppices	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	other broadleaves coppices	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	poplars stands	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	other broadleaves stands	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	conifers stands	8,837	6,996	5,620	4,597	3,826	3,246	2,809	2,477	2,223	2,026	2,026	1,831	1,688	1,583	1,505	1,448	1,406	1,374	1,351	1,334	1,321	1,312	1,305	1,300	1,296	1,293
	others	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
protec	rupicolous forest	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	riparian forest	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	total (m^3)	610,332	729,025	664,960	845,120	751,189	782,780	1,054,466	883,950	1,440,209	953,246	953,246	955,025	957,071	959,285	961,705	964,254	966,870	969,580	972,345	975,158	978,010	980,896	983,811	986,750	989,711	992,691

Harvest quantities (m3) in the period 2000-2025

Basilicata	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025
inventory typology													*m3*													
stands	norway spruce	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	silver fir	4	28	119	66	23	153	168	204	201	284	284	293	300	307	315	324	332	341	349	358	366	374	382	390	398	406
	larches	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	mountain pines	16	118	510	283	96	650	712	860	849	1,196	1,196	1,228	1,256	1,280	1,312	1,343	1,374	1,405	1,435	1,464	1,494	1,522	1,551	1,579	1,606	1,633
	mediterranean pines	15	114	495	277	94	640	703	853	844	1,191	1,191	1,224	1,254	1,278	1,310	1,342	1,372	1,401	1,429	1,457	1,483	1,508	1,533	1,557	1,580	1,602
	other conifers	4	31	135	75	25	173	190	230	227	321	321	330	338	345	354	364	373	382	391	400	409	418	427	436	444	453
	european beech	158	1,161	4,919	2,692	898	6,000	6,489	7,744	7,552	10,507	10,507	10,672	10,803	10,898	11,065	11,231	11,388	11,548	11,700	11,850	11,998	12,144	12,287	12,429	12,568	12,705
	turkey oak	152	1,116	4,754	2,615	876	5,883	6,391	7,661	7,504	10,484	10,484	10,691	10,864	11,002	11,211	11,421	11,621	11,826	12,022	12,216	12,409	12,599	12,787	12,974	13,158	13,341
	other oaks	65	478	2,034	1,118	374	2,511	2,723	3,258	3,185	4,441	4,441	4,518	4,579	4,623	4,694	4,762	4,824	4,885	4,940	4,992	5,041	5,087	5,130	5,171	5,209	5,244
	other broadleaves	117	860	3,668	2,021	678	4,562	4,963	5,959	5,845	8,178	8,178	8,351	8,499	8,618	8,795	8,972	9,142	9,316	9,484	9,651	9,817	9,982	10,146	10,308	10,469	10,630
coppices	european beech	325	192	4,185	13,871	19,227	11,631	13,048	14,172	12,411	9,893	9,828	9,904	9,954	9,958	10,032	10,110	10,149	10,216	10,278	10,338	10,397	10,455	10,513	10,569	10,624	10,678
	sweet chestnut	966	588	13,154	44,704	63,488	39,325	45,122	50,087	44,808	36,464	36,128	37,118	37,987	38,660	39,583	40,500	41,245	42,083	42,876	43,645	44,391	45,113	45,813	46,490	47,145	47,779
	hornbeams	199	118	2,586	8,602	11,974	7,277	8,201	8,950	7,880	6,316	6,278	6,360	6,422	6,453	6,526	6,599	6,645	6,707	6,762	6,815	6,865	6,913	6,958	7,002	7,043	7,082
	other oaks	1,742	1,046	23,058	77,217	108,148	66,147	74,978	82,271	72,844	58,713	58,299	59,319	60,110	60,575	61,397	62,175	62,674	63,294	63,829	64,318	64,763	65,169	65,540	65,877	66,185	66,465
	turkey oak	578	344	7,532	25,081	34,938	21,247	23,958	26,158	23,037	18,471	18,353	18,598	18,786	18,882	19,105	19,328	19,472	19,664	19,839	20,007	20,168	20,322	20,471	20,613	20,749	20,879
	evergreen oaks	574	340	7,416	24,604	34,145	20,685	23,237	25,277	22,177	17,714	17,603	17,776	17,898	17,935	18,097	18,262	18,357	18,500	18,629	18,755	18,877	18,995	19,110	19,221	19,329	19,433
	other broadleaves	1,030	629	14,101	47,988	68,222	42,296	48,556	53,914	48,245	39,267	38,877	39,919	40,813	41,479	42,391	43,274	43,955	44,715	45,408	46,058	46,667	47,237	47,769	48,264	48,726	49,154
	conifers	99	60	1,334	4,515	6,389	3,944	4,512	4,994	4,456	3,617	3,587	3,678	3,759	3,821	3,909	3,998	4,071	4,154	4,234	4,313	4,390	4,467	4,542	4,615	4,688	4,759
plantations	eucalipttuses coppices	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	other broadleaves coppices	423	338	153	208	172	234	196	164	146	134	126	117	110	104	101	99	96	95	94	94	93	93	92	92	92	92
	poplars stands	5,232	4,466	2,186	3,222	2,896	4,236	3,834	3,544	3,327	3,163	2,918	2,869	2,827	2,793	2,763	2,738	2,717	2,699	2,684	2,671	2,660	2,650	2,642	2,635	2,629	2,624
	other broadleaves stands	241	185	82	110	90	122	103	87	80	74	72	68	65	63	62	61	61	61	60	60	60	60	60	60	60	60
	conifers stands	400	304	132	172	136	176	139	109	90	76	70	58	50	43	39	35	33	31	30	29	28	28	27	27	27	27
	others	28,651	22,220	9,955	13,348	10,964	14,774	12,313	10,178	8,937	7,979	7,478	6,716	6,097	5,589	5,235	4,952	4,719	4,534	4,379	4,253	4,149	4,063	3,992	3,933	3,885	3,844
prote	rupicolous forest	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	riparian forest	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	total (m^3)	**40,990**	**34,737**	**102,509**	**272,789**	**363,856**	**252,666**	**280,536**	**306,672**	**274,647**	**238,480**	**236,215**	**239,808**	**242,770**	**244,706**	**248,295**	**251,891**	**254,620**	**257,858**	**260,855**	**263,744**	**266,525**	**269,200**	**271,771**	**274,241**	**276,613**	**278,891**

Harvest quantities (m3) in the period 2000-2025

Basilicata	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025
inventory typology													*m3*													
stands	norway spruce	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	silver fir	4	28	119	66	23	153	168	204	201	284	284	293	300	307	315	324	332	341	349	358	366	374	382	390	398	406
	larches	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	mountain pines	16	118	510	283	96	650	712	860	849	1,196	1,196	1,228	1,256	1,280	1,312	1,343	1,374	1,405	1,435	1,464	1,494	1,522	1,551	1,579	1,606	1,633
	mediterranean pines	15	114	495	277	94	640	703	853	844	1,191	1,191	1,224	1,254	1,278	1,310	1,342	1,372	1,401	1,429	1,457	1,483	1,508	1,533	1,557	1,580	1,602
	other conifers	4	31	135	75	25	173	190	230	227	321	321	330	338	345	354	364	373	382	391	400	409	418	427	436	444	453
	european beech	158	1,161	4,919	2,692	898	6,000	6,489	7,744	7,552	10,507	10,507	10,672	10,803	10,898	11,065	11,231	11,388	11,548	11,700	11,850	11,998	12,144	12,287	12,429	12,568	12,705
	turkey oak	152	1,116	4,754	2,615	876	5,883	6,391	7,661	7,504	10,484	10,484	10,691	10,864	11,002	11,211	11,421	11,621	11,826	12,022	12,216	12,409	12,599	12,787	12,974	13,158	13,341
	other oaks	65	478	2,034	1,118	374	2,511	2,723	3,258	3,185	4,441	4,441	4,518	4,579	4,623	4,694	4,762	4,824	4,885	4,940	4,992	5,041	5,087	5,130	5,171	5,209	5,244
	other broadleaves	117	860	3,668	2,021	678	4,562	4,963	5,959	5,845	8,178	8,178	8,351	8,499	8,618	8,795	8,972	9,142	9,316	9,484	9,651	9,817	9,982	10,146	10,308	10,469	10,630
coppices	european beech	325	192	4,185	13,871	19,227	11,631	13,048	14,172	12,411	9,893	9,828	9,904	9,954	9,958	10,032	10,110	10,149	10,216	10,278	10,338	10,397	10,455	10,513	10,569	10,624	10,678
	sweet chestnut	966	588	13,154	44,704	63,488	39,325	45,122	50,087	44,808	36,464	36,128	37,118	37,987	38,660	39,583	40,500	41,245	42,083	42,876	43,645	44,391	45,113	45,813	46,490	47,145	47,779
	hornbeams	199	118	2,586	8,602	11,974	7,277	8,201	8,950	7,880	6,316	6,278	6,360	6,422	6,453	6,526	6,599	6,645	6,707	6,762	6,815	6,865	6,913	6,958	7,002	7,043	7,082
	other oaks	1,742	1,046	23,058	77,217	108,148	66,147	74,978	82,271	72,844	58,713	58,299	59,319	60,110	60,575	61,397	62,175	62,674	63,294	63,829	64,318	64,763	65,169	65,540	65,877	66,185	66,465
	turkey oak	578	344	7,532	25,081	34,938	21,247	23,958	26,158	23,037	18,471	18,353	18,598	18,786	18,882	19,105	19,328	19,472	19,664	19,839	20,007	20,168	20,322	20,471	20,613	20,749	20,879
	evergreen oaks	574	340	7,416	24,604	34,145	20,685	23,237	25,277	22,177	17,714	17,603	17,776	17,898	17,935	18,097	18,262	18,357	18,500	18,629	18,755	18,877	18,995	19,110	19,221	19,329	19,433
	other broadleaves	1,030	629	14,101	47,988	68,222	42,296	48,556	53,914	48,245	39,267	38,877	39,919	40,813	41,479	42,391	43,274	43,955	44,715	45,408	46,058	46,667	47,237	47,769	48,264	48,726	49,154
	conifers	99	60	1,334	4,515	6,389	3,944	4,512	4,994	4,456	3,617	3,587	3,678	3,759	3,821	3,909	3,998	4,071	4,154	4,234	4,313	4,390	4,467	4,542	4,615	4,688	4,759
plantations	eucalipttuses coppices	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	other broadleaves coppices	423	338	153	208	172	234	196	164	146	134	126	117	110	104	101	99	96	95	94	94	93	93	92	92	92	92
	poplars stands	5,232	4,466	2,186	3,222	2,896	4,236	3,834	3,544	3,327	3,163	2,918	2,869	2,827	2,793	2,763	2,738	2,717	2,699	2,684	2,671	2,660	2,650	2,642	2,635	2,629	2,624
	other broadleaves stands	241	185	82	110	90	122	103	87	80	74	72	68	65	63	62	61	61	61	60	60	60	60	60	60	60	60
	conifers stands	400	304	132	172	136	176	139	109	90	76	70	58	50	43	39	35	33	31	30	29	28	28	27	27	27	27
	others	28,651	22,220	9,955	13,348	10,964	14,774	12,313	10,178	8,937	7,979	7,478	6,716	6,097	5,589	5,235	4,952	4,719	4,534	4,379	4,253	4,149	4,063	3,992	3,933	3,885	3,844
prote	rupicolous forest	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	riparian forest	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	total (m^3)	**40,990**	**34,737**	**102,509**	**272,789**	**363,856**	**252,666**	**280,536**	**306,672**	**274,647**	**238,480**	**236,215**	**239,808**	**242,770**	**244,706**	**248,295**	**251,891**	**254,620**	**257,858**	**260,855**	**263,744**	**266,525**	**269,200**	**271,771**	**274,241**	**276,613**	**278,891**

Harvest quantities (m3) in the period 2000-2025

Calabria		2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025
inventory typology															m3												
stands	norway spruce	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	silver fir	4,742	4,628	4,676	4,451	4,583	3,975	4,170	4,419	6,906	5,786	5,131	5,240	5,308	5,306	5,414	5,519	5,616	5,723	5,820	5,914	6,008	6,101	6,192	6,282	6,371	6,459
	larches	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	mountain pines	121,091	118,024	119,058	113,170	116,333	100,716	105,481	111,551	174,045	145,566	129,100	131,614	133,102	132,840	135,302	137,685	139,819	142,225	144,321	146,374	148,385	150,354	152,281	154,167	156,013	157,818
	mediterranean pines	15,291	15,048	15,316	14,678	15,202	13,251	13,963	14,848	23,297	19,590	17,342	17,762	18,039	18,076	18,477	18,859	19,202	19,576	19,901	20,215	20,518	20,809	21,090	21,360	21,619	21,869
	other conifers	1,373	1,344	1,361	1,299	1,341	1,165	1,225	1,301	2,037	1,710	1,516	1,551	1,574	1,576	1,610	1,644	1,675	1,709	1,740	1,770	1,800	1,830	1,859	1,888	1,916	1,944
	european beech	105,441	101,734	101,633	95,712	97,518	83,715	86,975	91,281	141,327	117,314	104,167	105,448	105,920	105,015	106,295	107,529	108,584	109,868	110,926	111,968	112,992	113,998	114,988	115,960	116,915	117,853
	turkey oak	7,086	6,861	6,878	6,499	6,643	5,720	5,960	6,273	9,740	8,108	7,197	7,305	7,356	7,312	7,419	7,522	7,613	7,719	7,809	7,898	7,985	8,071	8,155	8,237	8,319	8,398
	other oaks	28,579	27,629	27,649	26,077	26,599	22,853	23,752	24,929	38,638	32,117	28,523	28,909	29,068	28,855	29,230	29,579	29,869	30,210	30,480	30,736	30,978	31,207	31,424	31,628	31,821	32,003
	other broadleaves	70,117	67,866	68,009	64,239	65,642	56,510	58,871	61,951	96,166	80,031	71,040	72,089	72,584	72,130	73,174	74,184	75,071	76,115	77,003	77,877	78,740	79,589	80,426	81,251	82,064	82,864
coppices	european beech	31,519	31,658	34,980	59,081	71,581	62,175	62,360	57,747	81,312	21,156	49,750	50,064	49,814	48,830	49,273	49,610	49,605	49,409	49,596	49,779	49,958	50,134	50,307	50,476	50,641	50,804
	sweet chestnut	67,013	69,261	78,630	136,265	169,184	150,435	154,273	145,930	209,943	55,799	130,830	134,269	136,137	135,933	139,560	142,825	145,045	146,642	149,288	151,857	154,348	156,764	159,105	161,373	163,570	165,698
	hornbeams	2,952	2,992	3,334	5,675	6,929	6,063	6,123	5,708	8,102	2,126	5,002	5,074	5,087	5,027	5,109	5,177	5,208	5,218	5,266	5,312	5,355	5,397	5,436	5,474	5,509	5,543
	other oaks	9,259	9,536	10,775	18,567	22,908	20,236	20,603	19,346	27,691	7,331	17,204	17,565	17,713	17,602	17,968	18,270	18,431	18,512	18,717	18,904	19,074	19,230	19,371	19,500	19,618	19,726
	turkey oak	10,676	10,756	11,919	20,187	24,524	21,360	21,478	19,941	28,177	7,361	17,324	17,501	17,479	17,205	17,425	17,603	17,658	17,643	17,761	17,875	17,984	18,088	18,189	18,285	18,378	18,466
	evergreen oaks	17,827	17,930	19,837	33,547	40,696	35,393	35,542	32,953	46,480	12,118	28,510	28,746	28,658	28,152	28,463	28,709	28,755	28,691	28,846	28,996	29,141	29,282	29,419	29,551	29,679	29,804
	other broadleaves	29,176	30,378	34,708	60,479	75,442	67,352	69,295	65,721	94,842	25,285	59,195	60,870	61,809	61,805	63,498	64,986	65,971	66,653	67,781	68,841	69,836	70,768	71,641	72,455	73,215	73,923
	conifers	3,748	3,855	4,357	7,522	9,308	8,253	8,443	7,969	11,437	3,032	7,115	7,288	7,377	7,355	7,543	7,713	7,829	7,912	8,054	8,194	8,331	8,467	8,599	8,730	8,858	8,984
plantations	eucalipituses coppices	835	855	808	726	825	453	573	581	242	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	other broadleaves coppices	703	718	678	609	692	379	481	487	203	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	poplars stands	6,367	6,534	6,118	5,450	6,138	3,344	4,192	4,231	1,818	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	other broadleaves stands	1,216	1,249	1,184	1,069	1,221	675	864	888	374	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	conifers stands	1,115	1,178	1,146	1,061	1,243	703	920	965	415	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	others	63,240	65,068	61,781	55,817	63,844	35,291	45,169	46,410	19,532	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
protect	rupicolous forest	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	riparian forest	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	total (m^3)	**599,367**	**595,100**	**614,834**	**732,181**	**828,395**	**700,016**	**730,714**	**725,431**	**1,022,723**	**544,431**	**678,946**	**691,294**	**697,026**	**693,020**	**705,759**	**717,415**	**725,950**	**733,825**	**743,308**	**752,508**	**761,433**	**770,088**	**778,481**	**786,618**	**794,507**	**802,155**

Harvest quantities (m3) in the period 2000-2025

Campania		2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025
inventory typology															m3												
stands	norway spruce	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	silver fir	3,603	3,621	4,336	4,485	3,097	2,797	3,952	3,582	2,852	1,842	3,617	3,658	3,629	3,611	3,663	3,716	3,760	3,807	3,854	3,901	3,946	3,991	4,036	4,079	4,122	4,164
	larches	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	mountain pines	6,948	7,162	8,784	9,293	6,555	6,038	8,693	8,018	6,492	4,259	8,317	8,533	8,581	8,652	8,886	9,116	9,322	9,529	9,736	9,937	10,132	10,322	10,506	10,685	10,859	11,027
	mediterranean pines	4,829	4,951	6,041	6,359	4,464	4,093	5,866	5,387	4,343	2,838	5,545	5,667	5,677	5,703	5,837	5,967	6,080	6,194	6,307	6,415	6,520	6,620	6,717	6,810	6,899	6,984
	other conifers	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	european beech	200,619	199,099	235,567	240,808	164,393	146,819	205,254	184,106	145,125	92,830	182,553	182,916	179,802	177,353	178,420	179,487	180,153	180,949	181,797	182,621	183,421	184,198	184,952	185,684	186,394	187,084
	turkey oak	26,285	26,804	30,673	31,262	21,281	18,953	26,426	23,641	18,589	11,862	23,337	23,329	22,880	22,520	22,608	22,697	22,737	22,794	22,859	22,922	22,983	23,042	23,099	23,155	23,209	23,261
	other oaks	13,929	13,965	16,687	17,221	11,865	10,691	15,072	13,628	10,827	6,978	13,699	13,824	13,683	13,590	13,760	13,926	14,057	14,194	14,332	14,465	14,592	14,714	14,830	14,942	15,048	15,150
	other broadleaves	36,560	36,493	43,419	44,624	30,623	27,487	38,615	34,800	27,557	17,705	34,789	35,006	34,551	34,214	34,550	34,885	35,140	35,419	35,705	35,985	36,259	36,526	36,786	37,041	37,289	37,532
coppices	european beech	36,101	32,813	20,285	27,368	24,283	25,360	29,244	35,319	42,048	33,747	27,931	27,727	27,407	26,988	26,866	26,738	26,301	25,980	25,792	25,609	25,431	25,258	25,090	24,926	24,767	24,612
	sweet chestnut	255,634	240,741	154,029	214,676	196,550	211,510	250,986	311,592	381,748	315,162	260,132	265,427	269,366	272,081	277,478	282,577	284,236	286,879	290,731	294,422	297,958	301,344	304,587	307,691	310,662	313,504
	hornbeams	38,879	35,795	22,423	30,632	27,525	29,100	33,959	41,501	50,137	40,859	33,883	34,158	34,270	34,245	34,565	34,853	34,733	34,748	34,920	35,080	35,229	35,369	35,499	35,620	35,733	35,838
	other oaks	77,067	71,165	44,691	61,217	55,133	58,421	68,327	83,673	101,106	82,370	68,171	68,700	68,910	68,840	69,488	70,088	69,859	69,904	70,272	70,626	70,967	71,295	71,610	71,913	72,205	72,485
	turkey oak	63,749	58,472	36,491	49,681	44,492	46,892	54,561	66,492	80,049	65,007	53,906	54,165	54,179	53,983	54,348	54,675	54,365	54,277	54,442	54,597	54,744	54,882	55,012	55,135	55,251	55,361
	evergreen oaks	27,204	24,870	15,469	20,994	18,741	19,692	22,844	27,758	33,296	26,937	22,328	22,352	22,278	22,121	22,200	22,267	22,077	21,980	21,989	21,998	22,006	22,014	22,022	22,029	22,036	22,043
	other broadleaves	187,356	177,543	114,246	160,035	147,199	159,051	189,417	235,909	290,036	240,240	198,070	202,671	206,183	208,713	213,230	217,454	219,000	221,261	224,400	227,363	230,158	232,792	235,271	237,602	239,792	241,848
	conifers	22,914	21,377	13,557	18,746	17,037	18,211	21,478	26,514	32,281	26,489	21,890	22,213	22,429	22,551	22,904	23,240	23,297	23,441	23,690	23,932	24,168	24,396	24,617	24,833	25,041	25,244
plantations	eucalipituses coppices	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	other broadleaves coppices	663	500	770	701	785	590	648	1,286	725	556	747	758	763	765	773	778	775	776	778	781	782	783	784	785	785	786
	poplars stands	5,709	4,280	6,515	5,858	6,539	4,883	5,325	10,499	6,150	4,664	6,213	6,238	6,250	6,255	6,258	6,260	6,260	6,260	6,261	6,261	6,261	6,261	6,261	6,261	6,261	6,261
	other broadleaves stands	1,012	762	1,179	1,079	1,223	927	1,027	2,060	1,206	924	1,221	1,243	1,241	1,243	1,269	1,295	1,317	1,341	1,365	1,388	1,412	1,435	1,457	1,480	1,502	1,524
	conifers stands	1,041	805	1,280	1,201	1,395	1,082	1,226	2,512	1,501	1,172	1,542	1,598	1,623	1,652	1,713	1,773	1,829	1,886	1,942	1,998	2,053	2,107	2,160	2,211	2,262	2,311
	others	59,231	44,661	69,261	63,435	71,981	54,563	60,492	121,270	71,003	54,322	71,714	72,957	72,798	72,850	74,269	75,652	76,833	78,032	79,218	80,361	81,459	82,516	83,532	84,508	85,446	86,347
protect	rupicolous forest	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	riparian forest	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	total (m^3)	**1,069,333**	**1,005,079**	**845,703**	**1,009,675**	**855,160**	**847,160**	**1,043,414**	**1,239,549**	**1,307,072**	**1,030,763**	**1,039,604**	**1,053,138**	**1,056,500**	**1,057,928**	**1,073,084**	**1,087,444**	**1,092,132**	**1,099,652**	**1,110,391**	**1,120,662**	**1,130,481**	**1,139,865**	**1,148,829**	**1,157,390**	**1,165,563**	**1,173,364**

Harvest quantities (m3) in the period 2000-2025

Emilia_Romagna		2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025
inventory typology															m^3												
stands	norway spruce	645	321	349	340	528	468	170	156	159	295	295	315	335	356	377	399	421	444	467	491	515	539	564	590	615	641
	silver fir	1,710	829	880	838	1,271	1,100	391	352	352	640	640	670	700	729	760	790	821	851	882	913	943	974	1,005	1,035	1,065	1,096
	larches	135	66	71	68	104	91	33	30	30	55	55	59	62	65	69	73	77	81	85	89	94	98	103	108	113	118
	mountain pines	15,038	7,198	7,555	7,113	10,660	9,129	3,212	2,857	2,851	5,096	5,096	5,283	5,466	5,645	5,827	6,006	6,183	6,358	6,530	6,699	6,866	7,029	7,190	7,348	7,504	7,656
	mediterranean pines	3,441	1,638	1,711	1,602	2,389	2,036	713	631	623	1,115	1,115	1,151	1,185	1,218	1,251	1,283	1,315	1,345	1,375	1,404	1,432	1,459	1,485	1,510	1,535	1,559
	other conifers	1,323	627	652	609	905	770	269	238	235	421	421	435	449	463	477	491	505	519	533	547	561	575	589	603	616	630
	european beech	11,415	5,358	5,522	5,112	7,541	6,363	2,208	1,939	1,899	3,382	3,382	3,475	3,566	3,656	3,748	3,841	3,933	4,026	4,117	4,209	4,300	4,390	4,480	4,570	4,659	4,747
	turkey oak	6,133	2,848	2,905	2,663	3,890	3,251	1,118	973	944	1,667	1,667	1,699	1,730	1,759	1,790	1,821	1,851	1,881	1,910	1,939	1,968	1,996	2,024	2,052	2,079	2,106
	other oaks	5,665	2,654	2,730	2,521	3,708	3,120	1,079	945	921	1,634	1,634	1,670	1,704	1,736	1,768	1,798	1,828	1,856	1,882	1,907	1,931	1,953	1,974	1,994	2,013	2,030
	other broadleaves	12,268	5,740	5,898	5,443	8,005	6,736	2,331	2,041	1,994	3,541	3,541	3,629	3,715	3,799	3,887	3,974	4,060	4,147	4,232	4,318	4,403	4,487	4,571	4,655	4,738	4,820
coppices	european beech	60,898	77,544	65,017	53,198	54,500	60,332	56,326	64,350	61,643	77,914	66,461	67,164	67,830	68,447	69,051	69,626	70,154	70,667	71,152	71,612	72,047	72,459	72,848	73,216	73,564	73,893
	sweet chestnut	41,743	55,088	47,805	40,432	42,769	48,830	46,967	55,225	54,402	70,656	60,012	62,235	64,460	66,670	68,898	71,124	73,327	75,535	77,733	79,920	82,092	84,250	86,390	88,511	90,612	92,692
	hornbeams	24,001	30,600	25,686	21,039	21,576	23,907	22,340	25,544	24,491	30,984	26,429	26,735	27,029	27,307	27,582	27,849	28,099	28,346	28,584	28,814	29,036	29,250	29,457	29,656	29,849	30,035
	other oaks	23,243	30,051	25,564	21,208	22,016	24,682	23,324	26,956	26,113	33,366	28,401	28,998	29,581	30,146	30,708	31,258	31,790	32,317	32,832	33,337	33,831	34,315	34,789	35,253	35,707	36,151
	turkey oak	23,251	29,611	24,829	20,315	20,812	23,039	21,508	24,571	23,539	29,757	25,389	25,667	25,936	26,190	26,445	26,692	26,926	27,157	27,381	27,599	27,810	28,014	28,213	28,405	28,591	28,772
	evergreen oaks	920	1,192	1,017	845	880	988	936	1,085	1,053	1,349	1,149	1,176	1,202	1,229	1,255	1,281	1,306	1,331	1,355	1,380	1,403	1,426	1,449	1,471	1,493	1,514
	other broadleaves	66,058	86,342	74,173	62,073	64,935	73,286	69,655	80,904	78,682	100,833	85,463	87,372	89,160	90,811	92,375	93,830	95,159	96,404	97,554	98,613	99,587	100,481	101,301	102,051	102,736	103,362
	conifers	8,686	11,305	9,681	8,084	8,446	9,529	9,061	10,538	10,271	15,205	11,238	11,544	11,849	12,149	12,451	12,751	13,047	13,342	13,636	13,927	14,216	14,503	14,788	15,070	15,349	15,626
plantations	eucalipturses coppices	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	other broadleaves coppices	932	467	646	753	750	687	703	186	166	146	146	149	151	152	153	154	154	155	155	155	155	156	156	156	156	156
	poplars stands	191,913	96,002	131,811	152,721	151,620	138,594	141,450	37,341	33,071	28,780	28,780	28,980	29,077	29,123	29,145	29,155	29,160	29,162	29,163	29,164	29,164	29,164	29,164	29,164	29,164	29,164
	other broadleaves stands	3,376	1,680	2,310	2,681	2,662	2,433	2,486	657	590	525	525	542	559	576	593	610	627	644	661	678	695	712	728	745	762	778
	conifers stands	1,347	689	974	1,160	1,181	1,106	1,157	313	287	260	260	274	287	301	315	329	343	356	370	384	397	411	424	437	449	462
	others	77,987	38,974	53,788	62,647	62,410	57,223	58,635	15,545	13,990	12,445	12,445	12,854	13,248	13,626	14,006	14,375	14,735	15,084	15,423	15,751	16,068	16,376	16,674	16,961	17,240	17,508
protect	rupicolous forest	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	riparian forest	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	total (m^3)	**582,127**	**486,826**	**491,574**	**473,466**	**493,559**	**497,701**	**466,071**	**353,377**	**338,289**	**418,067**	**364,545**	**372,076**	**379,281**	**386,151**	**392,930**	**399,510**	**405,821**	**412,010**	**418,015**	**423,848**	**429,515**	**435,019**	**440,366**	**445,561**	**450,610**	**455,516**

Harvest quantities (m3) in the period 2000-2025

Friuli_Venezia_Giulia		2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025
inventory typology															m^3												
stands	norway spruce	61,149	55,065	56,256	77,471	58,995	66,860	74,163	66,896	103,264	52,196	68,534	68,912	69,255	69,534	69,742	70,102	70,454	70,796	71,073	71,344	71,612	71,875	72,133	72,387	72,637	72,883
	silver fir	15,916	14,314	14,605	20,089	15,279	17,296	19,163	17,266	26,624	13,443	17,653	17,732	17,802	17,856	17,892	17,966	18,040	18,111	18,165	18,218	18,270	18,321	18,372	18,421	18,470	18,518
	larches	11,276	10,175	10,415	14,370	10,963	12,448	13,833	12,500	19,329	9,787	12,848	12,940	13,026	13,098	13,158	13,245	13,331	13,415	13,485	13,555	13,623	13,691	13,757	13,822	13,886	13,948
	mountain pines	28,090	25,789	26,854	37,683	29,232	33,740	38,106	34,988	54,966	28,269	37,081	37,928	38,769	39,584	40,367	41,247	42,135	43,028	43,891	44,760	45,635	46,516	47,402	48,293	49,190	50,091
	mediterranean pines	1,501	1,388	1,455	2,053	1,600	1,855	2,102	1,935	3,045	1,568	2,049	2,095	2,139	2,179	2,217	2,257	2,296	2,334	2,369	2,402	2,434	2,465	2,495	2,523	2,551	2,577
	other conifers	1,267	1,168	1,220	1,718	1,336	1,546	1,750	1,610	2,532	1,304	1,708	1,747	1,786	1,823	1,857	1,896	1,934	1,972	2,007	2,043	2,077	2,112	2,146	2,180	2,213	2,246
	european beech	73,748	66,900	68,842	95,475	73,210	83,535	93,277	84,687	131,564	66,918	87,814	88,834	89,809	90,697	91,489	92,477	93,453	94,414	95,284	96,144	96,995	97,837	98,669	99,491	100,304	101,107
	turkey oak	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	other oaks	1,903	1,735	1,795	2,500	1,926	2,206	2,472	2,252	3,510	1,790	2,345	2,377	2,406	2,431	2,453	2,479	2,504	2,527	2,547	2,565	2,583	2,599	2,615	2,629	2,643	2,656
	other broadleaves	13,188	12,012	12,409	17,276	13,296	15,227	17,062	15,544	24,228	12,363	16,216	16,454	16,682	16,894	17,087	17,315	17,541	17,763	17,967	18,169	18,368	18,565	18,760	18,952	19,141	19,328
coppices	european beech	42,559	36,100	29,910	22,407	28,196	32,462	30,460	30,873	69,829	28,477	37,934	38,599	39,221	39,761	40,203	40,859	41,510	42,148	42,747	43,341	43,931	44,517	45,098	45,674	46,245	46,811
	sweet chestnut	39,075	33,726	28,402	21,602	27,565	32,146	30,524	31,279	71,452	29,418	39,027	40,030	40,967	41,796	42,506	43,418	44,302	45,151	45,937	46,699	47,436	48,150	48,840	49,507	50,151	50,773
	hornbeams	21,963	18,361	15,000	11,085	13,765	15,643	14,493	14,508	32,416	13,068	17,433	17,536	17,616	17,659	17,660	17,753	17,840	17,920	17,981	18,040	18,096	18,149	18,199	18,248	18,294	18,338
	other oaks	6,629	5,609	4,635	3,463	4,345	4,987	4,665	4,712	10,619	4,316	5,746	5,825	5,895	5,951	5,992	6,063	6,131	6,196	6,254	6,310	6,364	6,416	6,466	6,515	6,563	6,608
	turkey oak	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	evergreen oaks	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	other broadleaves	110,258	94,617	79,218	59,898	75,973	88,058	83,098	84,618	192,052	78,586	104,229	106,213	107,973	109,418	110,529	112,129	113,616	114,983	116,163	117,260	118,278	119,221	120,094	120,901	121,647	122,335
	conifers	36,539	31,105	25,859	19,433	24,523	28,307	26,624	27,044	61,283	25,039	33,322	33,955	34,544	35,054	35,474	36,076	36,667	37,240	37,774	38,298	38,812	39,318	39,815	40,302	40,781	41,250
plantations	eucalipturses coppices	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	other broadleaves coppices	371	180	129	90	57	147	181	532	100	37	241	245	249	252	254	257	261	264	266	268	271	273	275	277	278	280
	poplars stands	79,052	39,990	29,567	21,247	13,745	35,843	44,466	130,841	24,867	9,257	59,012	60,025	60,919	61,704	62,392	62,994	63,520	63,979	64,379	64,727	65,029	65,292	65,520	65,718	65,889	66,037
	other broadleaves stands	217	102	71	48	30	75	90	258	48	17	113	113	113	112	112	112	111	111	111	111	110	110	110	110	110	110
	conifers stands	346	161	110	74	45	113	136	391	71	26	171	170	169	168	167	166	166	165	164	164	163	162	162	161	161	160
	others	25,974	12,371	8,673	5,948	3,690	9,353	11,338	32,698	6,060	2,215	14,509	14,551	14,582	14,597	14,597	14,631	14,661	14,688	14,700	14,710	14,720	14,728	14,736	14,744	14,750	14,756
protect	rupicolous forest	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	riparian forest	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	total (m^3)	**571,020**	**460,867**	**415,424**	**433,928**	**397,772**	**481,847**	**508,004**	**595,430**	**837,857**	**378,094**	**557,985**	**566,281**	**573,921**	**580,569**	**586,147**	**593,443**	**600,473**	**607,206**	**613,264**	**619,128**	**624,809**	**630,317**	**635,663**	**640,855**	**645,902**	**650,812**

Harvest quantities (m3) in the period 2000-2025

Lazio		2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025
inventory typology															m^3												
stands	norway spruce	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	silver fir	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	larches	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	mountain pines	14,449	11,066	21,228	24,132	24,506	21,792	26,904	21,470	17,647	19,344	22,212	22,657	22,987	23,080	23,593	24,075	24,518	24,976	25,430	25,872	26,301	26,718	27,122	27,515	27,895	28,264
	mediterranean pines	11,644	8,939	17,181	19,568	19,905	17,728	21,917	17,512	14,411	15,812	18,144	18,521	18,802	18,888	19,314	19,712	20,074	20,445	20,811	21,163	21,503	21,829	22,143	22,445	22,734	23,013
	other conifers	2,391	1,820	3,472	3,927	3,969	3,513	4,318	3,432	2,810	3,070	3,529	3,589	3,631	3,636	3,709	3,777	3,841	3,907	3,974	4,040	4,105	4,168	4,231	4,292	4,352	4,411
	european beech	104,049	77,359	144,230	159,542	157,765	136,743	164,705	128,345	103,085	110,524	127,410	127,267	126,555	124,619	125,056	125,388	125,574	125,897	126,259	126,612	126,956	127,291	127,618	127,937	128,248	128,550
	turkey oak	20,841	15,463	28,771	31,761	31,344	27,112	32,591	25,346	20,318	21,743	25,069	24,994	24,809	24,387	24,430	24,454	24,451	24,475	24,508	24,540	24,571	24,601	24,630	24,659	24,687	24,714
	other oaks	13,442	10,145	19,191	21,530	21,589	18,970	23,153	18,277	14,868	16,137	18,574	18,773	18,880	18,799	19,064	19,305	19,516	19,741	19,964	20,179	20,385	20,582	20,771	20,952	21,125	21,290
	other broadleaves	19,876	14,945	28,171	31,497	31,472	27,557	33,522	26,374	21,383	23,137	26,641	26,848	26,928	26,739	27,051	27,336	27,585	27,860	28,140	28,413	28,681	28,943	29,200	29,451	29,697	29,938
coppices	european beech	165,900	148,454	108,570	113,923	108,046	120,121	116,756	85,925	86,310	97,925	97,925	98,736	99,002	99,518	100,432	101,383	101,455	101,955	102,800	103,618	104,409	105,174	105,913	106,627	107,317	107,984
	sweet chestnut	537,862	494,994	371,710	398,718	385,885	436,574	431,229	321,819	327,507	375,200	375,200	380,776	383,499	386,396	389,911	392,811	392,433	393,461	395,352	396,791	397,885	398,714	399,343	399,819	400,179	400,451
	hornbeams	157,611	141,800	104,293	110,039	104,946	117,312	114,648	84,821	85,649	97,647	97,647	98,893	99,563	100,448	101,695	102,942	103,281	104,027	105,095	106,105	107,062	107,968	108,825	109,636	110,404	111,131
	other oaks	153,947	141,169	105,698	113,386	109,821	124,537	123,345	92,391	94,371	108,730	108,730	111,120	112,792	114,630	116,793	118,869	119,837	121,202	122,857	124,365	125,735	126,974	128,092	129,096	129,997	130,802
	turkey oak	158,081	142,618	105,231	111,357	106,529	119,429	117,056	86,836	87,918	100,450	100,450	101,895	102,709	103,702	105,016	106,281	106,598	107,312	108,321	109,242	110,081	110,845	111,541	112,175	112,752	113,277
	evergreen oaks	87,900	78,804	57,738	60,693	57,661	64,212	62,515	46,079	46,356	52,670	52,670	53,179	53,392	53,736	54,294	54,868	54,966	55,292	55,805	56,300	56,778	57,241	57,689	58,121	58,539	58,943
	other broadleaves	197,851	183,306	138,571	149,994	146,507	167,458	167,090	126,036	129,586	150,245	150,245	154,460	157,689	161,166	165,138	169,029	171,341	174,232	177,570	180,728	183,708	186,517	189,160	191,642	193,970	196,150
	conifers	24,154	22,075	16,474	17,625	17,031	19,276	19,060	14,260	14,552	16,764	16,764	17,148	17,435	17,762	18,158	18,560	18,798	19,111	19,487	19,856	20,219	20,576	20,925	21,268	21,605	21,935
	eucalipruses coppices	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
plantations	other broadleaves coppices	1,380	1,036	1,901	1,967	1,518	1,697	2,733	1,413	1,125	1,407	1,597	1,603	1,599	1,599	1,607	1,615	1,609	1,610	1,617	1,623	1,629	1,634	1,639	1,644	1,648	1,652
	poplars stands	25,384	19,131	34,926	36,335	28,707	32,540	53,253	28,509	23,506	29,549	33,041	33,312	33,478	33,579	33,640	33,677	33,699	33,712	33,720	33,725	33,728	33,730	33,731	33,731	33,732	33,732
	other broadleaves stands	3,322	2,404	4,272	4,283	3,195	3,468	5,442	2,731	2,120	2,577	2,939	2,869	2,792	2,694	2,658	2,623	2,588	2,560	2,535	2,512	2,492	2,473	2,456	2,440	2,426	2,414
	conifers stands	1,565	1,161	2,111	2,161	1,642	1,813	2,887	1,464	1,147	1,405	1,590	1,563	1,530	1,483	1,468	1,452	1,436	1,421	1,409	1,396	1,385	1,373	1,363	1,352	1,343	1,333
	others	98,875	72,376	129,984	131,746	99,404	109,060	172,990	87,749	68,845	84,466	96,184	94,769	93,042	90,532	89,998	89,439	88,826	88,368	87,983	87,630	87,307	87,010	86,738	86,488	86,259	86,048
protect	rupicolous forest	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	riparian forest	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	total (m^3)	1,800,523	1,589,065	1,443,723	1,544,185	1,461,442	1,570,909	1,696,115	1,220,789	1,163,514	1,328,800	1,376,560	1,392,971	1,401,116	1,407,392	1,423,025	1,437,597	1,442,426	1,451,564	1,463,636	1,474,711	1,484,918	1,494,362	1,503,129	1,511,291	1,518,909	1,526,032

Harvest quantities (m3) in the period 2000-2025

Liguria		2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025
inventory typology															m^3												
stands	norway spruce	544	545	573	690	600	507	1,128	936	1,705	657	949	1,002	1,046	1,094	1,149	1,205	1,254	1,310	1,363	1,417	1,471	1,525	1,579	1,633	1,687	1,741
	silver fir	2,683	2,551	2,555	2,936	2,440	1,972	4,215	3,360	5,895	2,190	3,185	3,251	3,281	3,323	3,384	3,446	3,486	3,542	3,590	3,637	3,684	3,729	3,773	3,815	3,857	3,898
	larches	860	844	871	1,030	880	731	1,603	1,310	2,355	896	1,298	1,356	1,399	1,449	1,507	1,567	1,619	1,678	1,736	1,793	1,852	1,910	1,969	2,029	2,089	2,149
	mountain pines	34,929	32,815	32,487	36,933	30,358	24,295	51,400	40,575	70,499	25,932	37,756	38,190	38,197	38,374	38,775	39,208	39,402	39,788	40,106	40,424	40,743	41,061	41,379	41,696	42,014	42,331
	mediterranean pines	57,232	55,161	55,945	65,027	54,624	44,603	96,222	77,377	136,842	51,236	74,338	76,398	77,570	79,025	80,871	82,715	84,009	85,646	87,082	88,462	89,787	91,058	92,278	93,446	94,566	95,638
	other conifers	2,185	2,085	2,096	2,417	2,016	1,635	3,505	2,803	4,931	1,837	2,671	2,734	2,765	2,808	2,867	2,926	2,967	3,021	3,069	3,116	3,162	3,207	3,251	3,294	3,336	3,377
	european beech	5,941	5,599	5,561	6,339	5,227	4,195	8,901	7,047	12,281	4,532	6,600	6,696	6,717	6,767	6,854	6,945	6,993	7,074	7,141	7,207	7,271	7,334	7,396	7,456	7,515	7,573
	turkey oak	3,996	3,738	3,686	4,172	3,417	2,724	5,745	4,522	7,834	2,876	4,192	4,231	4,222	4,233	4,267	4,303	4,312	4,342	4,363	4,384	4,404	4,423	4,442	4,460	4,478	4,495
	other oaks	1,918	1,819	1,818	2,084	1,728	1,393	2,972	2,364	4,138	1,534	2,233	2,275	2,291	2,316	2,354	2,393	2,416	2,450	2,479	2,506	2,533	2,559	2,584	2,608	2,631	2,654
	other broadleaves	27,078	25,466	25,238	28,712	23,627	18,925	40,085	31,680	55,114	20,310	29,583	29,968	30,016	30,193	30,537	30,895	31,061	31,370	31,618	31,860	32,095	32,324	32,546	32,763	32,973	33,177
coppices	european beech	19,326	15,557	15,364	16,227	15,463	14,036	23,193	21,157	21,523	25,036	20,331	20,801	21,253	21,688	22,155	22,620	23,044	23,446	23,842	24,211	24,548	24,849	25,112	25,336	25,521	25,671
	sweet chestnut	134,258	109,839	110,073	117,770	113,548	104,127	173,588	159,577	163,462	191,296	154,639	158,930	162,986	166,828	170,848	174,806	178,448	181,935	185,443	188,855	192,172	195,394	198,522	201,556	204,499	207,351
	hornbeams	4,853	3,858	3,762	3,922	3,689	3,304	5,387	4,849	4,867	5,588	4,538	4,582	4,621	4,656	4,696	4,736	4,769	4,799	4,831	4,861	4,891	4,920	4,948	4,974	5,000	5,025
	other oaks	20,844	16,760	16,511	17,366	16,466	14,849	24,348	22,021	22,207	25,595	20,722	20,991	21,220	21,415	21,626	21,823	21,977	22,112	22,247	22,371	22,484	22,586	22,680	22,765	22,843	22,913
	turkey oak	5,002	3,969	3,865	4,023	3,779	3,381	5,506	4,950	4,963	5,692	4,624	4,665	4,701	4,732	4,770	4,808	4,838	4,866	4,896	4,925	4,954	4,981	5,008	5,033	5,058	5,082
	evergreen oaks	4,144	3,303	3,229	3,375	3,184	2,859	4,675	4,219	4,246	4,887	3,969	4,018	4,062	4,103	4,150	4,197	4,237	4,276	4,316	4,356	4,394	4,433	4,470	4,507	4,543	4,578
	other broadleaves	43,629	35,543	35,450	37,729	36,171	32,964	54,589	49,830	50,683	58,883	47,544	48,493	49,338	50,089	50,863	51,590	52,201	52,747	53,282	53,773	54,224	54,636	55,014	55,359	55,673	55,960
	conifers	5,761	4,674	4,649	4,942	4,736	4,321	7,171	6,567	6,704	7,823	6,339	6,502	6,657	6,807	6,967	7,126	7,276	7,422	7,572	7,720	7,867	8,013	8,157	8,299	8,441	8,581
plantations	eucalipruses coppices	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	other broadleaves coppices	21	21	21	21	22	21	22	21	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22
	poplars stands	11	12	13	14	15	16	17	18	19	20	20	21	22	23	24	24	25	26	26	27	27	28	28	29	29	29
	other broadleaves stands	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	conifers stands	6	6	6	6	6	6	6	6	7	6	6	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7
	others	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
protect	rupicolous forest	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	riparian forest	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	total (m^3)	375,223	324,167	323,773	355,735	321,995	280,866	514,279	445,189	580,297	436,847	425,558	435,131	442,394	449,950	458,690	467,361	474,364	481,877	489,031	495,936	502,591	508,999	515,163	521,088	526,781	532,250

Harvest quantities (m3) in the period 2000-2025

Lombardia		2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025
inventory typology															m3												
stands	norway spruce	441,037	326,549	293,253	239,170	225,508	276,583	182,843	227,789	244,907	284,937	271,387	270,419	269,160	268,090	267,212	266,292	265,287	264,495	263,657	262,841	262,047	261,273	260,520	259,787	259,073	258,377
	silver fir	111,624	82,416	73,810	60,036	56,458	69,068	45,545	56,601	60,709	70,466	67,134	66,740	66,279	65,870	65,513	65,150	64,770	64,447	64,117	63,795	63,483	63,180	62,885	62,599	62,320	62,049
	larches	171,322	126,969	114,122	93,148	87,891	107,873	71,358	88,954	95,695	111,398	106,076	105,746	105,298	104,921	104,616	104,291	103,930	103,650	103,350	103,055	102,767	102,484	102,207	101,936	101,670	101,410
	mountain pines	132,783	99,740	90,839	75,111	71,785	89,225	59,760	75,419	82,128	96,759	92,059	92,879	93,586	94,347	95,165	95,959	96,710	97,530	98,324	99,116	99,906	100,696	101,483	102,269	103,052	103,834
	mediterranean pines	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	other conifers	21,636	16,422	15,107	12,613	12,166	15,253	10,300	13,099	14,367	17,040	16,177	16,425	16,648	16,876	17,110	17,335	17,548	17,769	17,981	18,188	18,391	18,589	18,783	18,973	19,158	19,339
	european beech	32,987	24,661	22,356	18,402	17,508	21,663	14,445	18,148	19,673	23,074	21,955	22,051	22,119	22,198	22,290	22,374	22,448	22,537	22,618	22,698	22,776	22,853	22,929	23,003	23,076	23,148
	turkey oak	11,312	8,442	7,641	6,280	5,966	7,371	4,908	6,157	6,664	7,805	7,428	7,449	7,462	7,478	7,499	7,517	7,531	7,550	7,566	7,582	7,598	7,613	7,627	7,641	7,654	7,667
	other oaks	10,075	7,663	7,064	5,909	5,708	7,167	4,846	6,169	6,771	8,036	7,622	7,742	7,849	7,957	8,066	8,170	8,266	8,365	8,459	8,548	8,635	8,718	8,798	8,874	8,948	9,018
	other broadleaves	89,277	66,911	60,808	50,175	47,849	59,338	39,652	49,918	54,217	63,706	60,593	60,966	61,259	61,578	61,927	62,252	62,544	62,871	63,175	63,470	63,758	64,039	64,313	64,579	64,839	65,092
coppices	european beech	40,305	35,049	30,212	34,145	27,770	26,137	22,746	27,756	28,036	41,036	33,323	33,749	34,160	34,559	34,970	35,377	35,728	36,095	36,460	36,818	37,171	37,517	37,857	38,191	38,519	38,841
	sweet chestnut	157,988	140,676	124,001	143,131	118,747	113,880	100,865	125,138	128,380	190,679	154,081	158,105	162,000	165,774	169,547	173,230	176,581	179,946	183,238	186,437	189,543	192,557	195,480	198,313	201,058	203,715
	hornbeams	34,458	29,707	25,394	28,469	22,972	21,456	18,532	22,449	22,513	32,721	26,594	26,752	26,898	27,034	27,179	27,320	27,419	27,531	27,641	27,747	27,850	27,948	28,043	28,135	28,223	28,307
	other oaks	15,706	13,723	11,882	13,486	11,011	10,402	9,083	11,120	11,265	16,533	13,411	13,615	13,810	13,999	14,192	14,380	14,545	14,714	14,881	15,044	15,203	15,359	15,511	15,659	15,804	15,945
	turkey oak	9,496	8,199	7,020	7,881	6,368	5,956	5,151	6,247	6,272	9,127	7,417	7,469	7,518	7,564	7,612	7,660	7,695	7,734	7,772	7,810	7,845	7,880	7,914	7,946	7,978	8,008
	evergreen oaks	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	other broadleaves	201,348	177,602	155,069	177,289	145,676	138,352	121,339	149,044	151,378	222,581	179,809	182,650	185,247	187,624	189,919	192,044	193,753	195,435	196,999	198,434	199,748	200,950	202,048	203,051	203,964	204,797
	conifers	31,522	27,736	24,182	27,632	22,713	21,598	18,983	23,388	23,844	35,216	28,552	29,164	29,763	30,351	30,950	31,545	32,090	32,649	33,205	33,755	34,299	34,837	35,368	35,892	36,411	36,922
plantations	eucalipturses coppices	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	other broadleaves coppices	262	239	203	198	201	176	219	161	197	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	poplars stands	212,305	196,361	169,196	167,893	171,920	151,993	190,649	141,751	174,374	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	other broadleaves stands	1,028	939	803	793	812	720	907	680	843	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	conifers stands	410	385	338	342	359	326	419	321	406	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	others	23,369	21,384	18,313	18,090	18,524	16,421	20,684	15,475	19,173	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
protect	rupicolous forest	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	riparian forest	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	total (m^3)	**1,750,248**	**1,411,772**	**1,251,613**	**1,180,192**	**1,077,910**	**1,160,958**	**943,235**	**1,065,785**	**1,151,811**	**1,231,114**	**1,093,619**	**1,101,921**	**1,109,056**	**1,116,219**	**1,123,767**	**1,130,897**	**1,136,847**	**1,143,317**	**1,149,442**	**1,155,340**	**1,161,021**	**1,166,494**	**1,171,766**	**1,176,848**	**1,181,747**	**1,186,471**

Harvest quantities (m3) in the period 2000-2025

Marche		2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025
inventory typology															m3												
stands	norway spruce	197	143	208	174	297	180	182	190	356	239	283	301	319	338	358	378	399	420	441	463	485	508	531	554	577	601
	silver fir	292	213	310	259	443	268	271	282	525	352	416	441	465	490	516	543	569	596	623	650	677	704	732	759	786	813
	larches	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	mountain pines	3,939	2,807	3,985	3,261	5,459	3,234	3,205	3,267	5,986	3,939	4,664	4,861	5,039	5,226	5,418	5,607	5,793	5,977	6,157	6,333	6,507	6,678	6,846	7,011	7,173	7,332
	mediterranean pines	2,261	1,595	2,245	1,823	3,030	1,783	1,757	1,781	3,246	2,125	2,522	2,618	2,702	2,791	2,883	2,972	3,059	3,145	3,227	3,308	3,385	3,461	3,535	3,606	3,675	3,742
	other conifers	562	394	552	446	739	434	426	432	786	514	612	635	656	679	703	727	751	775	799	822	846	870	893	916	940	963
	european beech	2,399	1,647	2,260	1,792	2,913	1,680	1,624	1,617	2,895	1,865	2,227	2,280	2,325	2,376	2,430	2,484	2,538	2,592	2,645	2,697	2,750	2,802	2,854	2,905	2,956	3,007
	turkey oak	1,329	918	1,267	1,011	1,652	958	930	930	1,674	1,083	1,292	1,328	1,358	1,392	1,428	1,464	1,499	1,534	1,568	1,601	1,635	1,668	1,701	1,733	1,765	1,796
	other oaks	910	633	880	706	1,161	677	661	664	1,200	780	929	957	982	1,009	1,036	1,063	1,089	1,114	1,138	1,161	1,183	1,204	1,224	1,244	1,262	1,280
	other broadleaves	1,299	904	1,257	1,010	1,661	969	947	953	1,724	1,122	1,336	1,381	1,420	1,462	1,507	1,552	1,596	1,641	1,685	1,729	1,772	1,816	1,859	1,902	1,945	1,988
coppices	european beech	66,207	56,808	60,135	53,179	65,298	52,957	51,004	53,739	45,665	42,976	42,976	43,689	44,352	45,008	45,657	46,283	46,891	47,481	48,047	48,593	49,122	49,634	50,128	50,606	51,067	51,513
	sweet chestnut	26,554	23,538	25,705	23,418	29,586	24,656	24,375	26,332	22,920	22,075	22,075	22,946	23,801	24,661	25,526	26,387	27,244	28,099	28,944	29,782	30,614	31,439	32,255	33,063	33,862	34,652
	hornbeams	58,746	51,190	54,987	49,309	61,341	50,375	49,089	52,286	44,877	42,609	42,609	43,620	44,550	45,442	46,299	47,107	47,874	48,601	49,282	49,926	50,534	51,109	51,653	52,166	52,652	53,110
	other oaks	167,226	147,004	159,176	143,782	180,059	148,770	145,773	156,049	134,549	128,277	128,277	131,777	135,009	138,107	141,078	143,880	146,538	149,058	151,421	153,654	155,764	157,757	159,640	161,419	163,099	164,686
	turkey oak	32,591	27,983	29,645	26,241	32,253	26,187	25,251	26,635	22,658	21,341	21,341	21,704	22,038	22,363	22,681	22,983	23,272	23,550	23,812	24,062	24,301	24,529	24,747	24,954	25,152	25,341
	evergreen oaks	20,069	17,312	18,421	16,371	20,198	16,456	15,918	16,842	14,368	13,572	13,572	13,842	14,095	14,344	14,590	14,826	15,055	15,278	15,491	15,697	15,896	16,088	16,274	16,453	16,627	16,794
	other broadleaves	47,383	42,526	46,950	43,187	55,014	46,184	45,939	49,881	43,591	42,098	42,098	43,774	45,370	46,923	48,434	49,882	51,274	52,608	53,874	55,080	56,225	57,312	58,341	59,314	60,231	61,095
	conifers	4,693	4,137	4,493	4,072	5,118	4,244	4,175	4,489	3,889	3,729	3,729	3,858	3,984	4,109	4,234	4,358	4,480	4,600	4,719	4,835	4,950	5,063	5,174	5,283	5,390	5,495
plantations	eucalipturses coppices	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	other broadleaves coppices	142	139	137	136	136	136	136	136	138	139	140	141	141	141	142	142	142	142	142	142	142	142	142	142	143	143
	poplars stands	3,427	3,408	3,399	3,397	3,401	3,411	3,425	3,444	3,461	3,479	3,489	3,509	3,526	3,542	3,556	3,568	3,578	3,587	3,595	3,603	3,609	3,614	3,619	3,624	3,627	3,631
	other broadleaves stands	1,741	1,686	1,673	1,657	1,656	1,663	1,671	1,395	1,697	1,708	1,688	1,706	1,712	1,722	1,731	1,738	1,743	1,747	1,749	1,751	1,752	1,752	1,753	1,753	1,754	1,754
	conifers stands	73	65	59	55	51	49	47	38	45	44	45	45	44	43	43	43	42	42	42	42	42	42	42	42	42	42
	others	8,766	8,124	7,716	7,333	7,051	6,838	6,661	5,409	6,433	6,353	6,381	6,287	6,181	6,112	6,067	6,030	5,997	5,972	5,947	5,927	5,910	5,896	5,884	5,874	5,866	5,858
protect	rupicolous forest	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	riparian forest	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	total (m^3)	**450,805**	**393,176**	**425,460**	**382,618**	**478,518**	**392,107**	**383,467**	**406,788**	**362,684**	**340,420**	**342,701**	**351,698**	**360,069**	**368,281**	**376,316**	**384,016**	**391,425**	**398,559**	**405,347**	**411,859**	**418,103**	**424,089**	**429,826**	**435,323**	**440,590**	**445,636**

Harvest quantities (m3) in the period 2000-2025

Molise		2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025
inventory typology														m3													
stands	norway spruce	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	silver fir	2,509	2,197	1,712	1,114	1,382	1,799	1,437	1,333	1,325	1,395	1,395	1,412	1,425	1,435	1,452	1,469	1,486	1,503	1,519	1,535	1,550	1,565	1,580	1,594	1,609	1,623
	larches	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	mountain pines	1,308	1,164	921	609	766	1,010	818	768	772	823	823	842	858	873	891	910	928	946	963	980	997	1,013	1,029	1,045	1,060	1,075
	mediterranean pines	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	other conifers	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	european beech	9,823	8,588	6,681	4,341	5,378	6,989	5,575	5,164	5,125	5,392	5,392	5,449	5,490	5,523	5,582	5,643	5,701	5,761	5,817	5,873	5,928	5,982	6,035	6,087	6,139	6,190
	turkey oak	6,526	5,730	4,477	2,921	3,633	4,738	3,793	3,526	3,511	3,707	3,707	3,759	3,799	3,834	3,886	3,939	3,989	4,042	4,090	4,138	4,185	4,232	4,277	4,322	4,366	4,409
	other oaks	636	559	437	285	354	462	369	343	341	360	360	365	369	372	376	381	385	389	393	396	399	402	405	408	410	412
	other broadleaves	2,347	2,068	1,621	1,061	1,324	1,733	1,392	1,298	1,296	1,373	1,373	1,396	1,415	1,432	1,455	1,479	1,503	1,527	1,550	1,572	1,595	1,617	1,640	1,662	1,683	1,705
coppices	european beech	25,813	23,351	23,568	21,639	26,977	22,868	21,841	20,165	22,179	22,812	22,934	22,952	22,945	22,929	22,944	22,969	22,907	22,923	22,926	22,929	22,931	22,934	22,936	22,939	22,941	22,944
	sweet chestnut	5,628	5,290	5,540	5,271	6,801	5,959	5,876	5,594	6,338	6,710	6,712	6,907	7,092	7,269	7,452	7,634	7,782	7,952	8,111	8,265	8,413	8,555	8,692	8,822	8,947	9,066
	hornbeams	10,600	9,707	9,915	9,209	11,607	9,947	9,600	8,953	9,950	10,342	10,392	10,513	10,616	10,710	10,812	10,913	10,969	11,058	11,135	11,208	11,277	11,342	11,403	11,461	11,516	11,568
	other oaks	83,929	78,065	80,837	75,991	96,802	83,746	81,510	76,575	85,715	89,690	89,804	91,410	92,777	93,984	95,196	96,337	97,041	97,976	98,773	99,497	100,153	100,748	101,287	101,776	102,219	102,620
	turkey oak	48,984	44,610	45,329	41,896	52,569	44,860	43,127	40,073	44,390	46,000	46,288	46,709	47,052	47,354	47,696	48,035	48,182	48,470	48,713	48,940	49,151	49,347	49,531	49,701	49,860	50,008
	evergreen oaks	2,556	2,327	2,364	2,185	2,741	2,338	2,247	2,087	2,309	2,390	2,402	2,420	2,434	2,447	2,462	2,478	2,485	2,499	2,511	2,523	2,535	2,546	2,557	2,567	2,577	2,586
	other broadleaves	4,694	4,442	4,678	4,471	5,787	5,083	5,020	4,784	5,424	5,745	5,732	5,898	6,051	6,194	6,339	6,479	6,589	6,714	6,828	6,936	7,038	7,134	7,224	7,309	7,388	7,462
	conifers	3,773	3,506	3,631	3,419	4,367	3,789	3,702	3,494	3,926	4,123	4,133	4,222	4,304	4,383	4,467	4,551	4,617	4,696	4,771	4,845	4,917	4,988	5,057	5,125	5,191	5,255
plantations	eucalyptuses coppices	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	other broadleaves coppices	11	12	12	12	12	12	12	12	12	12	12	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13
	poplars stands	70	77	84	91	98	105	111	118	124	131	131	139	147	155	162	169	175	181	186	191	195	199	202	205	207	210
	other broadleaves stands	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	conifers stands	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3
	others	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
private	rupicolous forest	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	riparian forest	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	total (m^3)	**209,208**	**191,694**	**191,810**	**174,516**	**220,601**	**195,440**	**186,434**	**174,289**	**192,743**	**201,007**	**201,593**	**204,409**	**206,789**	**208,911**	**211,188**	**213,402**	**214,755**	**216,652**	**218,304**	**219,844**	**221,280**	**222,620**	**223,870**	**225,038**	**226,130**	**227,150**

Harvest quantities (m3) in the period 2000-2025

Piemonte		2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025
inventory typology														m3													
stands	norway spruce	8,027	4,909	5,701	5,173	5,437	3,676	3,727	3,173	2,984	1,608	1,608	1,644	1,679	1,713	1,748	1,783	1,817	1,849	1,884	1,918	1,951	1,985	2,019	2,052	2,085	2,117
	silver fir	82,162	50,031	57,871	52,306	54,757	36,881	37,253	31,610	29,623	15,911	15,911	16,209	16,498	16,787	17,072	17,367	17,644	17,913	18,195	18,475	18,752	19,028	19,301	19,572	19,840	20,106
	larches	255,066	155,710	180,549	163,571	171,623	115,847	117,267	99,714	93,646	50,409	50,409	51,472	52,513	53,564	54,612	55,698	56,738	57,755	58,823	59,892	60,960	62,028	63,094	64,159	65,222	66,282
	mountain pines	105,592	65,210	76,482	70,076	74,350	50,743	51,931	44,641	42,382	23,063	23,063	23,811	24,562	25,334	26,120	26,941	27,755	28,575	29,436	30,314	31,210	32,123	33,053	34,000	34,964	35,945
	mediterranean pines	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	other conifers	3,422	2,145	2,551	2,368	2,544	1,757	1,818	1,579	1,513	830	830	862	894	926	958	991	1,023	1,054	1,086	1,118	1,150	1,182	1,214	1,246	1,277	1,308
	european beech	29,506	18,123	21,140	19,265	20,330	13,801	14,048	12,010	11,338	6,134	6,134	6,294	6,450	6,609	6,767	6,930	7,087	7,241	7,403	7,564	7,725	7,887	8,048	8,209	8,370	8,531
	turkey oak	3,098	1,905	2,223	2,028	2,142	1,455	1,482	1,267	1,196	647	647	664	679	695	711	727	742	756	771	786	801	815	829	843	857	871
	other oaks	13,919	8,662	10,230	9,435	10,070	6,910	7,105	6,132	5,840	3,184	3,184	3,287	3,386	3,483	3,578	3,673	3,762	3,846	3,932	4,014	4,093	4,169	4,242	4,312	4,379	4,443
	other broadleaves	182,156	112,452	131,814	120,689	127,943	87,233	89,158	76,519	72,497	39,351	39,351	40,477	41,579	42,682	43,775	44,892	45,965	47,012	48,094	49,170	50,240	51,302	52,358	53,405	54,446	55,479
coppices	european beech	138,002	104,014	114,834	97,297	112,098	92,324	99,335	102,545	94,471	75,176	75,176	77,051	78,932	80,834	82,807	84,825	86,643	88,679	90,722	92,795	94,895	97,020	99,166	101,326	103,494	105,658
	sweet chestnut	339,729	262,498	296,574	256,768	301,845	253,289	277,278	290,840	271,854	219,162	219,162	226,919	234,471	241,854	249,213	256,456	262,871	269,695	276,293	282,736	289,022	295,150	301,119	306,930	312,582	318,075
	hornbeams	11,257	8,462	9,314	7,867	9,033	7,413	7,945	8,167	7,489	5,928	5,928	6,036	6,138	6,236	6,333	6,427	6,501	6,587	6,667	6,745	6,820	6,892	6,961	7,029	7,094	7,156
	other oaks	22,042	16,811	18,761	16,055	18,666	15,500	16,801	17,458	16,175	12,931	12,931	13,289	13,635	13,973	14,310	14,642	14,928	15,241	15,542	15,837	16,127	16,410	16,687	16,958	17,224	17,484
	turkey oak	15,387	11,518	12,629	10,627	12,161	9,947	10,628	10,894	9,963	7,867	7,867	7,995	8,116	8,232	8,349	8,463	8,551	8,655	8,754	8,849	8,942	9,032	9,119	9,204	9,286	9,366
	evergreen oaks	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	other broadleaves	217,924	167,792	188,842	162,820	190,561	159,157	173,365	180,893	168,141	134,742	134,742	138,559	142,124	145,465	148,671	151,691	154,130	156,711	159,071	161,259	163,283	165,152	166,875	168,459	169,913	171,247
	conifers	31,621	24,149	26,995	23,145	26,966	22,445	24,390	25,413	23,613	18,937	18,937	19,532	20,118	20,699	21,287	21,875	22,401	22,972	23,533	24,091	24,644	25,194	25,740	26,281	26,818	27,351
plantations	eucalyptuses coppices	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	other broadleaves coppices	2,041	1,190	1,226	1,029	1,226	1,022	1,309	1,255	1,205	711	711	731	748	760	770	777	781	786	789	791	792	793	794	795	795	796
	poplars stands	502,750	295,775	305,308	256,629	305,851	254,070	324,799	310,803	298,491	175,996	175,996	181,468	186,174	190,195	193,613	196,503	198,939	200,984	202,698	204,129	205,323	206,317	207,144	207,831	208,401	208,873
	other broadleaves stands	2,516	1,419	1,419	1,165	1,363	1,120	1,426	1,364	1,314	781	781	818	854	890	926	963	999	1,034	1,071	1,107	1,142	1,178	1,214	1,249	1,284	1,319
	conifers stands	2,123	1,226	1,255	1,054	1,262	1,062	1,382	1,352	1,332	809	809	865	922	981	1,041	1,103	1,165	1,227	1,291	1,356	1,421	1,486	1,552	1,617	1,682	1,747
	others	143,594	81,851	82,620	68,349	80,527	66,619	85,197	81,843	79,119	47,133	47,133	49,388	51,580	53,739	55,847	57,947	59,949	61,877	63,809	65,689	67,518	69,294	71,018	72,689	74,308	75,876
private	rupicolous forest	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	riparian forest	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	total (m^3)	**2,111,935**	**1,395,852**	**1,548,340**	**1,347,715**	**1,530,754**	**1,202,270**	**1,347,644**	**1,309,475**	**1,234,186**	**841,311**	**841,311**	**867,370**	**892,053**	**915,651**	**938,507**	**960,672**	**980,391**	**1,000,449**	**1,019,861**	**1,038,633**	**1,056,812**	**1,074,439**	**1,091,547**	**1,108,167**	**1,124,322**	**1,140,031**

Harvest quantities (m3) in the period 2000-2025

Puglia		2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025
inventory typology														m3													
stands	norway spruce	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	silver fir	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	larches	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	mountain pines	701	1,127	1,384	4,571	2,342	4,622	5,865	7,439	7,015	13,433	13,433	13,739	13,933	14,020	14,325	14,738	15,099	15,477	15,797	16,104	16,398	16,680	16,949	17,207	17,454	17,690
	mediterranean pines	8,525	13,080	15,409	49,003	24,257	46,406	57,235	70,720	65,049	121,685	121,685	121,840	121,129	119,614	120,101	121,585	122,701	124,015	124,934	125,809	126,644	127,438	128,194	128,913	129,598	130,249
	other conifers	79	131	166	563	297	601	783	1,019	984	1,927	1,927	2,014	2,085	2,139	2,227	2,334	2,435	2,540	2,637	2,733	2,828	2,921	3,013	3,104	3,194	3,282
	european beech	820	1,269	1,508	4,840	2,418	4,673	5,823	7,271	6,750	12,740	12,740	12,859	12,881	12,810	12,952	13,206	13,423	13,667	13,870	14,070	14,268	14,464	14,657	14,847	15,035	15,220
	turkey oak	3,155	4,829	5,676	18,008	8,895	16,984	20,909	25,791	23,683	44,232	44,232	44,222	43,901	43,293	43,414	43,898	44,250	44,676	44,962	45,234	45,493	45,741	45,976	46,200	46,414	46,617
	other oaks	1,360	2,091	2,470	7,878	3,911	7,507	9,289	11,517	10,623	19,925	19,925	19,995	19,919	19,705	19,821	20,103	20,326	20,583	20,776	20,962	21,142	21,315	21,483	21,644	21,799	21,948
	other broadleaves	5,697	8,659	10,112	31,911	15,684	29,816	36,565	44,948	41,113	76,482	76,482	76,136	75,261	73,894	73,791	74,328	74,662	75,137	75,392	75,639	75,877	76,107	76,330	76,546	76,754	76,955
coppices	european beech	12,328	8,125	4,933	7,721	8,634	3,438	3,861	2,626	4,085	2,953	3,241	2,914	2,628	2,382	2,223	2,099	1,988	1,893	1,821	1,761	1,713	1,673	1,641	1,614	1,593	1,575
	sweet chestnut	31,999	22,701	14,907	25,171	30,518	13,317	16,282	12,014	20,238	15,860	17,303	17,011	16,652	16,260	16,202	16,197	16,120	16,024	15,984	15,951	15,924	15,901	15,882	15,867	15,854	15,843
	hornbeams	17,683	12,627	8,372	14,255	17,487	7,768	9,630	7,193	12,260	9,741	10,622	10,581	10,479	10,339	10,389	10,456	10,463	10,450	10,464	10,475	10,484	10,492	10,497	10,502	10,505	10,508
	other oaks	115,316	80,745	52,290	87,174	104,259	44,768	53,981	39,333	65,464	50,670	55,409	53,769	52,024	50,270	49,642	49,252	48,695	48,131	47,781	47,486	47,239	47,031	46,857	46,710	46,587	46,484
	turkey oak	12,916	8,992	5,805	9,653	11,542	4,966	5,998	4,378	7,302	5,664	6,206	6,032	5,843	5,652	5,585	5,545	5,484	5,422	5,383	5,350	5,322	5,298	5,278	5,261	5,247	5,234
	evergreen oaks	48,361	33,429	21,432	35,421	42,132	18,085	21,801	15,896	26,512	20,624	22,727	22,171	21,573	20,971	20,823	20,758	20,612	20,455	20,378	20,315	20,264	20,224	20,190	20,164	20,142	20,124
	other broadleaves	14,029	10,197	6,848	11,793	14,560	6,463	8,017	5,991	10,202	8,072	8,736	8,676	8,566	8,424	8,444	8,484	8,478	8,456	8,460	8,462	8,465	8,466	8,468	8,469	8,470	8,471
	conifers	9,154	6,364	4,083	6,743	7,967	3,560	3,984	2,855	4,667	3,536	3,845	3,639	3,434	3,237	3,123	3,031	2,936	2,847	2,776	2,713	2,658	2,609	2,566	2,528	2,494	2,464
plantations	eucalipturses coppices	19	21	22	22	23	23	23	19	22	24	23	23	24	24	24	25	25	25	25	25	25	25	25	25	25	25
	other broadleaves coppices	15	16	18	18	18	18	18	15	18	19	18	19	19	19	19	20	20	20	20	20	20	20	20	20	20	20
	poplars stands	24	26	28	31	33	36	38	40	43	45	44	47	50	53	56	59	61	63	65	67	69	70	72	73	74	75
	other broadleaves stands	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	conifers stands	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3
	others	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
private	rupicolous forest	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	riparian forest	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	total (m^3)	**282,184**	**214,431**	**155,466**	**314,778**	**294,981**	**212,854**	**260,106**	**259,068**	**306,033**	**407,635**	**418,601**	**415,688**	**410,403**	**403,110**	**403,165**	**406,121**	**407,781**	**409,884**	**411,527**	**413,182**	**414,837**	**416,480**	**418,102**	**419,698**	**421,262**	**422,790**

Harvest quantities (m3) in the period 2000-2025

Sardegna		2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025
inventory typology														m3													
stands	norway spruce	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	silver fir	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	larches	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	mountain pines	1,027	513	80	99	379	855	398	211	1,326	1,023	733	768	801	835	867	899	934	963	996	1,028	1,059	1,090	1,120	1,150	1,180	1,208
	mediterranean pines	4,724	2,332	361	442	1,673	3,753	1,735	916	5,751	4,403	3,166	3,309	3,440	3,572	3,699	3,828	3,963	4,079	4,206	4,329	4,450	4,567	4,681	4,792	4,900	5,005
	other conifers	221	110	17	21	80	182	85	45	284	220	158	167	175	184	192	201	210	218	227	236	245	254	264	273	282	291
	european beech	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	turkey oak	433	208	31	37	138	304	138	72	441	334	242	250	257	264	271	279	287	293	301	309	316	324	331	338	346	353
	other oaks	11,564	5,530	831	991	3,659	8,023	3,633	1,883	11,570	8,748	6,341	6,538	6,716	6,898	7,074	7,258	7,459	7,625	7,815	8,004	8,190	8,374	8,556	8,734	8,910	9,083
	other broadleaves	1,564	764	117	142	535	1,194	549	289	1,799	1,378	994	1,037	1,077	1,118	1,158	1,200	1,244	1,283	1,326	1,369	1,412	1,455	1,498	1,541	1,583	1,626
coppices	european beech	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	sweet chestnut	10,009	9,760	7,997	10,557	9,183	10,645	11,058	13,302	13,313	19,415	13,275	13,643	13,965	14,261	14,525	14,769	14,996	15,172	15,340	15,489	15,621	15,739	15,843	15,936	16,017	16,090
	hornbeams	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	other oaks	3,036	2,917	2,365	3,101	2,688	3,115	3,243	3,919	3,950	5,814	4,016	4,180	4,340	4,505	4,671	4,841	5,015	5,182	5,355	5,529	5,705	5,884	6,064	6,245	6,429	6,615
	turkey oak	1,759	1,669	1,336	1,729	1,478	1,689	1,733	2,063	2,048	2,967	2,046	2,095	2,139	2,181	2,221	2,260	2,298	2,330	2,361	2,391	2,420	2,446	2,472	2,495	2,518	2,539
	evergreen oaks	34,317	32,323	25,704	33,076	28,150	32,040	32,778	38,944	38,598	55,886	38,670	39,604	40,481	41,362	42,218	43,083	43,957	44,733	45,527	46,307	47,074	47,828	48,567	49,293	50,006	50,706
	other broadleaves	37,602	36,853	30,396	40,448	35,505	41,573	43,650	53,108	53,787	79,413	54,430	56,649	58,730	60,755	62,677	64,544	66,352	67,942	69,490	70,945	72,311	73,588	74,779	75,888	76,917	77,871
	conifers	4,581	4,204	3,403	4,455	3,855	4,459	4,632	5,586	5,617	8,247	5,693	5,908	6,117	6,328	6,536	6,749	6,964	7,165	7,371	7,575	7,779	7,981	8,182	8,382	8,580	8,777
plantations	eucalipturses coppices	130	118	111	117	124	106	99	154	69	195	128	129	130	130	131	131	131	131	131	131	131	131	131	131	131	131
	other broadleaves coppices	465	421	393	415	442	378	353	547	247	696	455	459	462	464	465	466	468	468	468	468	468	468	468	469	469	469
	poplars stands	2,873	2,582	2,393	2,515	2,673	2,278	2,125	3,280	1,480	4,149	2,727	2,741	2,747	2,750	2,751	2,752	2,752	2,752	2,752	2,752	2,752	2,753	2,753	2,753	2,753	2,753
	other broadleaves stands	829	754	709	764	820	716	684	1,082	487	1,398	914	940	963	987	1,010	1,034	1,061	1,083	1,108	1,133	1,158	1,183	1,208	1,233	1,257	1,282
	conifers stands	2,579	2,412	2,329	2,577	2,835	2,535	2,477	3,998	1,836	5,377	3,497	3,660	3,813	3,969	4,120	4,276	4,442	4,586	4,745	4,901	5,055	5,206	5,355	5,501	5,644	5,784
	others	37,659	34,340	32,365	34,959	37,579	32,850	31,393	49,592	22,305	64,032	41,763	42,887	43,861	44,842	45,756	46,700	47,728	48,520	49,444	50,358	51,202	52,038	52,845	53,625	54,377	55,102
private	rupicolous forest	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	riparian forest	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	total (m^3)	**155,170**	**137,810**	**110,938**	**136,446**	**131,797**	**146,694**	**140,762**	**178,990**	**164,887**	**263,694**	**179,249**	**184,964**	**190,213**	**195,406**	**200,342**	**205,268**	**210,259**	**214,527**	**218,962**	**223,236**	**227,350**	**231,310**	**235,118**	**238,780**	**242,300**	**245,684**

Harvest quantities (m3) in the period 2000-2025

Sicilia		2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025
inventory typology															m^3												
stands	norway spruce	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	silver fir	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	larches	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	mountain pines	1,507	997	778	536	1,288	1,866	1,102	1,814	1,938	798	615	642	673	667	703	727	765	788	820	851	883	916	948	980	1,012	1,045
	mediterranean pines	4,349	2,832	2,177	1,476	3,497	4,993	2,908	4,723	4,982	2,024	1,539	1,588	1,645	1,612	1,680	1,719	1,787	1,822	1,875	1,928	1,980	2,032	2,083	2,133	2,183	2,232
	other conifers	579	248	191	130	309	443	259	422	447	182	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	european beech	510	332	256	174	413	592	346	564	597	244	189	196	204	201	211	217	227	232	240	249	257	265	274	282	291	299
	turkey oak	2,246	1,458	1,117	755	1,784	2,541	1,476	2,393	2,519	1,021	792	816	844	826	859	877	911	928	954	979	1,005	1,030	1,055	1,080	1,104	1,128
	other oaks	6,738	4,354	3,322	2,236	5,266	7,472	4,326	6,986	7,330	2,963	2,278	2,340	2,412	2,354	2,443	2,488	2,576	2,614	2,679	2,742	2,804	2,864	2,922	2,978	3,033	3,085
	other broadleaves	6,114	3,961	3,030	2,044	4,824	6,859	3,979	6,440	6,769	2,742	2,107	2,169	2,240	2,190	2,277	2,324	2,412	2,453	2,521	2,587	2,654	2,719	2,784	2,848	2,911	2,974
coppices	european beech	6,792	8,307	2,639	11,001	6,561	8,932	7,846	6,187	5,620	4,891	30,024	29,520	29,232	26,777	26,882	26,369	26,447	25,608	25,524	25,443	25,363	25,286	25,212	25,139	25,068	24,999
	sweet chestnut	2,560	3,231	1,058	4,537	2,781	3,886	3,500	2,827	2,629	2,340	14,252	14,316	14,472	13,550	13,886	13,898	14,207	14,019	14,227	14,429	14,623	14,811	14,991	15,165	15,333	15,494
	hornbeams	285	355	115	485	294	405	361	289	266	234	1,451	1,445	1,448	1,346	1,369	1,362	1,383	1,356	1,369	1,380	1,391	1,401	1,411	1,420	1,429	1,437
	other oaks	8,203	10,276	3,337	14,187	8,617	11,933	10,651	8,527	7,866	6,946	42,639	42,521	42,678	39,848	40,682	40,575	41,295	40,619	41,073	41,484	41,857	42,195	42,502	42,780	43,031	43,259
	turkey oak	3,489	4,275	1,361	5,682	3,396	4,633	4,080	3,226	2,940	2,569	15,758	15,565	15,485	14,306	14,474	14,313	14,461	14,121	14,187	14,249	14,307	14,361	14,411	14,457	14,501	14,541
	evergreen oaks	3,071	3,770	1,202	5,030	3,010	4,113	3,625	2,869	2,615	2,284	14,000	13,815	13,729	12,634	12,738	12,550	12,640	12,294	12,307	12,320	12,333	12,345	12,356	12,367	12,378	12,388
	other broadleaves	905	1,162	386	1,681	1,044	1,475	1,342	1,095	1,027	921	5,688	5,751	5,847	5,512	5,682	5,717	5,871	5,819	5,929	6,032	6,131	6,223	6,310	6,392	6,469	6,542
	conifers	583	733	239	1,022	625	871	783	632	586	521	3,206	3,217	3,249	3,036	3,107	3,105	3,171	3,125	3,168	3,211	3,253	3,293	3,333	3,372	3,410	3,447
plantations	eucalyptuses coppices	2,483	1,266	1,478	593	1,160	501	432	856	174	135	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	other broadleaves coppices	361	184	214	86	168	72	62	123	25	19	2,920	2,302	1,878	1,412	1,214	1,026	902	767	686	620	567	523	488	459	436	417
	poplars stands	2,370	1,220	1,419	563	1,094	472	404	797	164	126	17,622	15,340	14,012	13,159	12,581	12,175	11,883	11,669	11,510	11,391	11,302	11,235	11,184	11,145	11,115	11,092
	other broadleaves stands	1,638	829	965	387	755	328	285	570	114	89	13,589	10,494	8,264	6,150	5,061	4,142	3,534	2,999	2,631	2,351	2,136	1,971	1,844	1,746	1,671	1,612
	conifers stands	438	228	272	112	224	100	89	182	37	30	4,837	3,740	2,939	2,163	1,749	1,393	1,145	925	765	638	536	455	390	337	295	260
	others	25,707	13,110	15,353	6,198	12,158	5,312	4,628	9,307	1,862	1,465	225,853	175,375	139,392	104,998	87,508	72,444	62,362	53,171	46,665	41,502	37,369	34,034	31,321	29,100	27,270	25,754
private	rupicolous forest	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	riparian forest	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	total (m^3)	**80,729**	**63,128**	**40,908**	**58,916**	**59,267**	**67,799**	**52,483**	**60,827**	**50,506**	**32,543**	**399,360**	**341,151**	**300,642**	**252,740**	**235,108**	**217,421**	**207,977**	**195,329**	**189,131**	**184,389**	**180,752**	**177,959**	**175,818**	**174,182**	**172,939**	**172,006**

Harvest quantities (m3) in the period 2000-2025

Toscana		2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025
inventory typology															m^3												
stands	norway spruce	463	384	433	616	567	617	468	576	568	656	712	755	797	839	885	932	979	1,027	1,075	1,124	1,173	1,223	1,274	1,325	1,376	1,428
	silver fir	3,470	2,749	2,966	4,044	3,578	3,741	2,733	3,248	3,097	3,456	3,780	3,885	3,982	4,072	4,175	4,278	4,379	4,478	4,576	4,672	4,767	4,861	4,954	5,046	5,136	5,225
	larches	365	297	329	461	418	448	335	408	398	455	497	522	548	573	601	630	659	689	720	751	783	816	850	885	920	956
	mountain pines	49,912	39,348	42,248	57,326	50,473	52,526	38,186	45,172	42,861	47,608	52,067	53,267	54,338	55,299	56,432	57,552	58,620	59,669	60,678	61,661	62,621	63,556	64,467	65,355	66,219	67,061
	mediterranean pines	79,062	62,093	66,421	89,793	78,775	81,687	59,178	69,759	65,959	73,010	79,859	81,418	82,769	83,942	85,367	86,758	88,063	89,329	90,524	91,675	92,782	93,846	94,870	95,853	96,797	97,703
	other conifers	10,092	7,910	8,447	11,406	9,997	10,360	7,503	8,845	8,367	9,269	10,155	10,367	10,557	10,727	10,934	11,140	11,340	11,538	11,731	11,921	12,109	12,295	12,478	12,659	12,838	13,014
	european beech	51,442	39,874	42,132	56,305	48,855	50,142	35,976	42,031	39,415	43,299	47,505	48,114	48,619	49,039	49,628	50,219	50,779	51,336	51,871	52,398	52,917	53,428	53,932	54,427	54,915	55,395
	turkey oak	12,078	9,274	9,710	12,860	11,062	11,258	8,011	9,284	8,638	9,417	10,342	10,398	10,432	10,449	10,503	10,557	10,606	10,655	10,700	10,744	10,787	10,829	10,870	10,910	10,950	10,988
	other oaks	22,875	17,679	18,624	24,815	21,474	21,981	15,729	18,325	17,134	18,764	20,583	20,780	20,928	21,035	21,208	21,376	21,525	21,668	21,796	21,917	22,031	22,138	22,238	22,332	22,421	22,503
	other broadleaves	43,139	33,401	35,254	47,063	40,794	41,826	29,980	34,993	32,785	35,983	39,484	39,956	40,343	40,660	41,117	41,576	42,011	42,444	42,859	43,269	43,672	44,070	44,462	44,849	45,230	45,605
coppices	european beech	97,329	85,541	106,082	97,598	120,713	106,018	82,647	68,030	70,363	68,315	94,540	95,345	96,110	96,786	97,534	98,264	98,967	99,617	100,272	100,909	101,530	102,134	102,723	103,295	103,853	104,395
	sweet chestnut	432,954	392,611	501,822	475,352	604,734	545,765	436,784	368,780	390,904	388,627	535,489	552,321	568,975	585,137	601,744	618,258	634,603	650,594	666,580	682,412	698,080	713,573	728,882	743,999	758,916	773,626
	hornbeams	61,960	54,563	67,790	62,479	77,411	68,103	53,176	43,837	45,399	44,127	61,026	61,598	62,134	62,604	63,112	63,600	64,064	64,487	64,906	65,308	65,694	66,064	66,419	66,760	67,087	67,400
	other oaks	121,371	108,563	136,900	127,971	160,702	143,202	113,190	94,405	98,869	97,132	133,977	136,592	139,113	141,472	143,897	146,264	148,558	150,741	152,899	155,001	157,047	159,040	160,980	162,869	164,708	166,497
	turkey oak	171,487	150,224	185,710	170,343	210,082	184,003	143,065	117,465	121,193	117,378	162,502	163,500	164,428	165,208	166,110	166,983	167,811	168,553	169,304	170,028	170,726	171,399	172,049	172,675	173,279	173,862
	evergreen oaks	41,427	36,495	45,363	41,827	51,845	45,627	35,640	29,394	30,459	29,626	40,987	41,408	41,812	42,176	42,570	42,957	43,331	43,681	44,033	44,376	44,712	45,039	45,359	45,672	45,977	46,276
	other broadleaves	259,628	234,679	298,716	281,575	356,232	319,542	254,032	212,911	223,856	220,591	302,942	309,342	315,299	320,670	325,974	330,932	335,523	339,681	343,607	347,242	350,602	353,705	356,564	359,196	361,616	363,838
	conifers	32,881	29,517	37,360	35,057	44,194	39,536	31,374	26,274	27,632	27,263	37,622	38,529	39,420	40,273	41,156	42,030	42,891	43,729	44,566	45,393	46,210	47,018	47,815	48,602	49,379	50,145
plantations	eucalyptuses coppices	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	other broadleaves coppices	1,133	830	950	811	999	824	754	782	359	234	234	236	238	239	240	241	241	242	242	242	242	242	242	242	242	242
	poplars stands	13,043	9,473	10,769	9,146	11,239	9,242	8,429	8,716	3,991	2,581	2,581	2,596	2,603	2,607	2,608	2,609	2,609	2,610	2,610	2,610	2,610	2,610	2,610	2,610	2,610	2,610
	other broadleaves stands	1,835	1,348	1,553	1,335	1,653	1,377	1,272	1,334	620	409	409	421	432	442	454	466	478	489	501	512	524	535	546	557	568	579
	conifers stands	1,700	1,285	1,519	1,340	1,700	1,450	1,370	1,468	697	468	468	490	511	532	554	576	598	619	640	661	682	702	722	742	761	780
	others	97,172	71,564	82,552	71,118	88,125	73,474	67,944	71,256	33,121	21,809	21,809	22,410	22,951	23,440	23,996	24,540	25,058	25,561	26,042	26,508	26,958	27,393	27,814	28,219	28,611	28,989
private	rupicolous forest	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	riparian forest	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	total (m^3)	**1,606,819**	**1,389,701**	**1,703,650**	**1,680,642**	**1,995,622**	**1,812,748**	**1,427,776**	**1,277,291**	**1,266,685**	**1,260,473**	**1,659,567**	**1,694,250**	**1,727,338**	**1,758,221**	**1,790,798**	**1,822,739**	**1,853,690**	**1,883,436**	**1,912,729**	**1,941,334**	**1,969,259**	**1,996,518**	**2,023,120**	**2,049,079**	**2,074,408**	**2,099,117**

Harvest quantities (m3) in the period 2000-2025

Trentino		2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025
inventory typology															m3												
stands	norway spruce	417,051	332,505	387,084	477,036	365,837	420,139	483,827	453,963	438,796	474,019	418,723	418,038	417,366	416,696	416,054	415,429	414,812	414,213	413,626	413,052	412,491	411,943	411,407	410,882	410,369	409,868
	silver fir	103,965	82,874	96,460	118,856	91,135	104,647	120,494	113,041	109,252	118,009	104,247	104,068	103,891	103,716	103,548	103,385	103,224	103,067	102,914	102,764	102,618	102,475	102,336	102,199	102,066	101,936
	larches	166,392	133,001	155,222	191,767	147,423	169,709	195,893	184,224	178,471	193,224	170,651	170,740	170,825	170,904	170,987	171,068	171,146	171,224	171,300	171,374	171,447	171,518	171,588	171,657	171,724	171,790
	mountain pines	125,142	101,810	120,909	151,962	118,813	139,072	163,186	155,963	153,504	168,794	148,895	151,256	153,628	156,005	158,396	160,798	163,206	165,624	168,049	170,481	172,920	175,365	177,816	180,271	182,731	185,195
	mediterranean pines	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	other conifers	2,735	2,237	2,670	3,371	2,647	3,111	3,663	3,513	3,468	3,825	3,371	3,434	3,496	3,557	3,617	3,677	3,735	3,793	3,850	3,906	3,961	4,015	4,068	4,121	4,172	4,223
	european beech	8,001	6,472	7,642	9,549	7,423	8,639	10,079	9,578	9,375	10,252	9,046	9,140	9,232	9,324	9,414	9,504	9,593	9,680	9,767	9,853	9,937	10,021	10,104	10,185	10,266	10,345
	turkey oak	2,659	2,142	2,520	3,138	2,430	2,818	3,277	3,104	3,028	3,301	2,914	2,935	2,957	2,977	2,997	3,017	3,036	3,054	3,072	3,090	3,107	3,124	3,141	3,157	3,172	3,187
	other oaks	2,496	2,042	2,436	3,074	2,412	2,832	3,331	3,190	3,145	3,464	3,051	3,103	3,154	3,202	3,249	3,294	3,337	3,379	3,418	3,456	3,492	3,527	3,560	3,591	3,621	3,649
	other broadleaves	10,738	8,698	10,284	12,867	10,015	11,669	13,629	12,966	12,703	13,907	12,269	12,409	12,546	12,681	12,814	12,945	13,073	13,200	13,324	13,446	13,565	13,683	13,799	13,912	14,024	14,133
coppices	european beech	51,870	42,481	38,392	42,883	37,907	44,595	44,632	38,035	39,225	41,102	41,102	36,586	32,802	29,628	26,969	24,738	22,864	21,291	19,969	18,859	17,925	17,140	16,480	15,925	15,458	15,065
	sweet chestnut	35,305	30,190	28,465	33,134	30,512	37,362	38,929	34,555	37,114	40,511	40,511	37,965	35,797	33,943	32,361	31,008	29,844	28,847	27,988	27,249	26,612	26,063	25,589	25,179	24,825	24,519
	hornbeams	47,934	40,299	37,443	43,034	39,226	47,628	49,359	43,719	46,974	51,448	51,448	48,849	46,769	45,099	43,765	42,696	41,836	41,148	40,595	40,151	39,794	39,508	39,277	39,092	38,944	38,824
	other oaks	56,694	47,955	44,783	51,689	47,264	57,527	59,686	52,858	56,728	61,989	61,989	58,500	55,634	53,272	51,332	49,733	48,410	47,320	46,418	45,671	45,054	44,542	44,117	43,766	43,474	43,232
	turkey oak	18,387	15,232	13,953	15,822	14,233	17,067	17,466	15,276	16,211	17,539	17,539	16,403	15,482	14,735	14,131	13,641	13,242	12,919	12,657	12,443	12,270	12,129	12,014	11,921	11,845	11,784
	evergreen oaks	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	other broadleaves	198,346	170,019	160,680	187,457	173,026	212,351	221,834	197,502	212,826	233,181	233,181	219,952	208,846	199,497	191,661	185,074	179,519	174,852	170,922	167,611	164,822	162,471	160,490	158,820	157,413	156,226
	conifers	91,453	76,285	70,229	79,907	71,973	86,275	88,019	76,498	80,465	86,008	86,008	78,446	71,988	66,450	61,696	57,598	54,049	50,973	48,296	45,961	43,920	42,130	40,558	39,175	37,955	36,878
plantations	eucalyptuses coppices	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	other broadleaves coppices	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	poplars stands	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	other broadleaves stands	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	conifers stands	14	14	14	14	14	14	14	15	15	-	18	18	18	18	18	17	17	17	17	17	17	17	17	17	17	17
	others	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
private	rupicolous forest	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	riparian forest	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	total (m^3)	**1,339,182**	**1,094,256**	**1,179,186**	**1,425,560**	**1,162,291**	**1,365,456**	**1,517,319**	**1,397,998**	**1,401,299**	**1,520,572**	**1,404,962**	**1,371,842**	**1,344,431**	**1,321,704**	**1,303,009**	**1,287,623**	**1,274,944**	**1,264,600**	**1,256,182**	**1,249,386**	**1,243,954**	**1,239,672**	**1,236,361**	**1,233,871**	**1,232,076**	**1,230,871**

Harvest quantities (m3) in the period 2000-2025

Umbria		2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025
inventory typology															m3												
stands	norway spruce	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	silver fir	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	larches	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	mountain pines	19,616	29,863	18,762	25,285	24,016	33,376	29,886	27,726	22,041	22,799	29,239	30,055	30,844	31,233	32,030	32,822	33,594	34,356	35,086	35,800	36,498	37,181	37,848	38,500	39,136	39,757
	mediterranean pines	11,515	17,460	10,925	14,666	13,875	19,206	17,131	15,832	12,538	12,920	16,571	16,968	17,347	17,501	17,881	18,254	18,613	18,963	19,292	19,610	19,917	20,213	20,498	20,773	21,038	21,292
	other conifers	1,111	1,680	1,049	1,406	1,328	1,838	1,639	1,515	1,201	1,239	1,592	1,633	1,673	1,692	1,733	1,775	1,816	1,857	1,896	1,936	1,975	2,013	2,051	2,089	2,127	2,164
	european beech	10,335	15,457	9,550	12,671	11,861	16,260	14,374	13,176	10,358	10,602	13,648	13,899	14,142	14,205	14,459	14,715	14,967	15,219	15,460	15,699	15,936	16,170	16,401	16,629	16,855	17,078
	turkey oak	2,101	3,111	1,904	2,503	2,322	3,155	2,765	2,514	1,960	1,991	2,565	2,593	2,618	2,611	2,639	2,668	2,695	2,723	2,748	2,773	2,798	2,822	2,846	2,869	2,892	2,914
	other oaks	4,616	6,897	4,256	5,639	5,269	7,208	6,358	5,814	4,558	4,652	5,982	6,072	6,155	6,160	6,246	6,329	6,407	6,483	6,551	6,616	6,678	6,736	6,791	6,843	6,892	6,938
	other broadleaves	1,033	1,542	951	1,260	1,177	1,612	1,423	1,302	1,022	1,045	1,345	1,368	1,390	1,394	1,417	1,440	1,463	1,486	1,508	1,530	1,551	1,572	1,593	1,614	1,634	1,654
coppices	european beech	53,511	61,023	57,055	89,434	71,930	77,225	69,719	94,199	72,363	64,262	64,262	62,417	60,711	59,016	57,630	56,364	55,193	54,133	53,146	52,242	51,415	50,657	49,962	49,326	48,743	48,208
	sweet chestnut	38,339	45,237	43,695	70,653	58,522	64,606	59,881	82,939	65,188	59,135	59,135	58,615	58,103	57,482	57,056	56,653	56,259	55,898	55,537	55,195	54,872	54,565	54,275	54,000	53,740	53,493
	hornbeams	84,870	98,146	93,046	147,843	120,665	131,499	120,577	165,498	129,372	116,949	116,949	115,776	114,696	113,483	112,703	112,011	111,372	110,827	110,307	109,845	109,434	109,068	108,744	108,455	108,198	107,969
	other oaks	291,904	343,845	331,509	534,785	443,217	490,075	455,747	633,903	502,543	460,401	460,401	461,458	462,224	461,898	462,783	463,554	464,125	464,709	465,073	465,386	465,657	465,891	466,092	466,267	466,417	466,547
	turkey oak	143,938	164,279	153,780	241,396	194,591	209,493	189,775	257,404	198,731	177,468	177,468	173,539	169,948	166,340	163,541	161,024	158,723	156,685	154,799	153,100	151,570	150,192	148,950	147,832	146,823	145,915
	evergreen oaks	54,518	62,364	58,488	91,957	74,193	79,908	72,378	98,120	75,651	67,435	67,435	65,776	64,246	62,711	61,486	60,372	59,346	58,425	57,568	56,787	56,077	55,431	54,843	54,307	53,819	53,375
	other broadleaves	125,085	148,756	144,721	235,513	196,420	218,308	203,745	284,139	225,113	205,880	205,880	205,847	205,746	205,181	205,216	205,250	205,237	205,269	205,231	205,196	205,163	205,133	205,105	205,079	205,055	205,033
	conifers	14,166	16,546	15,828	25,356	20,818	22,792	20,958	28,812	22,489	20,268	20,268	19,962	19,668	19,348	19,101	18,870	18,649	18,446	18,249	18,064	17,890	17,727	17,574	17,430	17,294	17,167
plantations	eucalyptuses coppices	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	other broadleaves coppices	12	12	12	12	12	12	12	12	12	12	12	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13
	poplars stands	70	77	84	91	98	105	112	119	125	131	131	139	147	154	161	167	173	178	182	187	190	194	197	199	202	204
	other broadleaves stands	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	conifers stands	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3
	others	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
private	rupicolous forest	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	riparian forest	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	total (m^3)	**856,743**	**1,016,296**	**945,618**	**1,500,472**	**1,240,318**	**1,376,681**	**1,266,484**	**1,713,026**	**1,345,269**	**1,227,191**	**1,242,887**	**1,236,132**	**1,229,675**	**1,220,426**	**1,216,098**	**1,212,284**	**1,208,649**	**1,205,671**	**1,202,649**	**1,199,982**	**1,197,637**	**1,195,581**	**1,193,787**	**1,192,228**	**1,190,881**	**1,189,725**

Harvest quantities (m3) in the period 2000-2025

Valle_D_Aosta		2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025
inventory typology															m3												
stands	norway spruce	1,855	1,147	1,163	1,357	1,371	754	917	863	920	701	701	710	719	728	737	746	755	764	772	781	789	798	806	815	823	831
	silver fir	221	137	139	162	163	90	109	102	109	83	83	84	85	86	87	88	89	90	91	92	93	94	95	96	97	98
	larches	3,568	2,213	2,249	2,633	2,667	1,470	1,794	1,693	1,810	1,381	1,381	1,403	1,424	1,445	1,466	1,487	1,508	1,529	1,549	1,570	1,590	1,610	1,629	1,649	1,668	1,687
	mountain pines	2,036	1,285	1,328	1,582	1,630	914	1,134	1,088	1,182	917	917	946	977	1,007	1,039	1,071	1,104	1,137	1,171	1,205	1,240	1,276	1,312	1,348	1,386	1,423
	mediterranean pines	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	other conifers	122	77	80	96	99	56	69	67	72	56	56	58	60	61	63	65	67	69	70	72	74	76	77	79	81	82
	european beech	385	239	244	286	291	161	197	186	199	153	153	155	158	161	164	166	169	172	174	177	180	182	185	188	190	193
	turkey oak	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	other oaks	107	67	68	81	82	45	56	53	56	43	43	44	44	45	46	46	47	47	48	48	49	49	49	50	50	50
	other broadleaves	660	412	421	496	505	280	344	326	350	269	269	274	279	285	290	296	301	306	312	317	322	327	333	338	343	348
coppices	european beech	1,709	1,222	1,161	1,151	1,200	954	1,192	1,059	1,040	1,395	1,344	1,374	1,404	1,435	1,466	1,497	1,529	1,559	1,590	1,619	1,648	1,675	1,701	1,724	1,746	1,764
	sweet chestnut	7,642	5,546	5,337	5,359	5,652	4,539	5,727	5,133	5,074	6,852	6,568	6,747	6,914	7,086	7,253	7,417	7,576	7,728	7,879	8,025	8,168	8,306	8,441	8,571	8,698	8,821
	hornbeams	933	657	614	600	616	483	595	521	504	667	643	648	652	657	662	667	671	675	679	683	687	690	694	697	700	704
	other oaks	1,244	887	839	829	861	681	847	750	732	977	940	955	970	985	999	1,014	1,027	1,041	1,054	1,067	1,080	1,092	1,104	1,116	1,128	1,139
	turkey oak	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	evergreen oaks	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	other broadleaves	2,722	1,961	1,874	1,868	1,956	1,559	1,953	1,737	1,704	2,283	2,187	2,228	2,263	2,299	2,332	2,363	2,391	2,417	2,441	2,463	2,483	2,502	2,519	2,535	2,549	2,562
	conifers	2,439	1,749	1,665	1,655	1,728	1,376	1,722	1,532	1,504	2,019	1,941	1,984	2,025	2,067	2,109	2,150	2,191	2,231	2,272	2,311	2,351	2,390	2,429	2,467	2,505	2,542
plantations	eucalyptuses coppices	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	other broadleaves coppices	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	poplars stands	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	other broadleaves stands	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	conifers stands	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	others	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
protect	rupicolous forest	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	riparian forest	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	total (m^3)	25,644	17,599	17,182	18,154	18,821	13,361	16,655	15,110	15,257	17,794	17,224	17,611	17,974	18,347	18,714	19,073	19,425	19,764	20,101	20,431	20,753	21,067	21,374	21,672	21,962	22,244

Harvest quantities (m3) in the period 2000-2025

Veneto		2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025
inventory typology															m3												
stands	norway spruce	115,056	129,756	114,157	118,214	78,019	134,536	130,631	166,446	367,313	151,432	154,278	155,450	156,445	157,565	158,695	159,812	160,904	161,990	163,048	164,092	165,122	166,137	167,137	168,123	169,096	170,054
	silver fir	6,140	6,920	6,084	6,296	4,152	7,156	6,944	8,842	19,500	8,035	8,186	8,244	8,292	8,346	8,402	8,456	8,509	8,562	8,614	8,665	8,715	8,764	8,812	8,860	8,907	8,953
	larches	15,300	17,297	15,254	15,834	10,474	18,102	17,616	22,494	49,746	20,552	20,934	21,136	21,313	21,506	21,701	21,893	22,082	22,269	22,452	22,633	22,811	22,986	23,159	23,330	23,498	23,663
	mountain pines	6,918	7,958	7,139	7,537	5,070	8,909	8,813	11,437	25,704	10,789	10,983	11,264	11,537	11,824	12,117	12,414	12,713	13,017	13,323	13,633	13,946	14,262	14,581	14,904	15,229	15,557
	mediterranean pines	1,116	1,296	1,172	1,247	844	1,490	1,480	1,927	4,341	1,825	1,851	1,898	1,942	1,987	2,030	2,072	2,112	2,152	2,190	2,226	2,262	2,296	2,329	2,360	2,391	2,421
	other conifers	2,762	3,184	2,862	3,026	2,038	3,583	3,545	4,601	10,335	4,335	4,408	4,514	4,616	4,720	4,825	4,929	5,032	5,135	5,236	5,336	5,436	5,534	5,632	5,728	5,824	5,919
	european beech	10,458	11,875	10,518	10,963	7,282	12,636	12,345	15,825	35,131	14,568	14,834	15,031	15,211	15,403	15,596	15,787	15,976	16,164	16,350	16,534	16,716	16,897	17,076	17,253	17,429	17,603
	turkey oak	1,846	2,086	1,839	1,908	1,262	2,180	2,121	2,707	5,984	2,472	2,518	2,541	2,561	2,584	2,606	2,628	2,649	2,670	2,690	2,711	2,730	2,750	2,769	2,788	2,806	2,824
	other oaks	1,484	1,693	1,506	1,576	1,051	1,830	1,793	2,304	5,126	2,130	2,166	2,197	2,225	2,253	2,280	2,305	2,329	2,352	2,373	2,393	2,412	2,430	2,447	2,462	2,477	2,491
	other broadleaves	5,257	5,995	5,332	5,579	3,720	6,480	6,354	8,173	18,205	7,574	7,709	7,836	7,953	8,076	8,199	8,321	8,441	8,561	8,679	8,795	8,911	9,025	9,139	9,251	9,361	9,471
coppices	european beech	89,466	113,898	52,173	47,359	88,731	77,133	95,265	57,158	83,925	55,749	85,210	87,040	88,812	90,622	92,452	94,276	96,083	97,901	99,702	101,497	103,286	105,068	106,843	108,609	110,366	112,114
	sweet chestnut	33,486	43,475	20,286	18,732	35,648	31,443	39,359	23,911	35,503	23,823	36,205	37,288	38,324	39,352	40,365	41,352	42,308	43,246	44,153	45,034	45,891	46,723	47,529	48,312	49,070	49,804
	hornbeams	47,178	59,260	26,799	24,023	44,450	38,175	46,593	27,635	40,107	26,336	40,276	40,660	41,001	41,346	41,685	42,007	42,311	42,607	42,885	43,152	43,407	43,651	43,885	44,108	44,322	44,527
	other oaks	10,702	13,590	6,209	5,621	10,499	9,098	11,200	6,697	9,796	6,481	9,894	10,060	10,214	10,369	10,522	10,670	10,812	10,952	11,087	11,217	11,344	11,468	11,587	11,704	11,817	11,926
	turkey oak	7,736	9,692	4,371	3,909	7,215	6,183	7,530	4,456	6,455	4,231	6,475	6,527	6,572	6,619	6,665	6,710	6,752	6,793	6,832	6,870	6,906	6,941	6,974	7,007	7,038	7,068
	evergreen oaks	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	other broadleaves	108,220	139,451	64,594	59,204	111,829	97,902	121,637	73,352	108,082	71,965	109,318	111,674	113,823	115,892	117,858	119,693	121,392	122,992	124,466	125,835	127,104	128,279	129,364	130,367	131,291	132,142
	conifers	13,691	17,439	7,992	7,257	13,598	11,820	14,597	8,756	12,849	8,529	13,025	13,290	13,543	13,799	14,055	14,307	14,553	14,799	15,039	15,275	15,508	15,738	15,964	16,187	16,406	16,622
plantations	eucalyptuses coppices	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	other broadleaves coppices	146	133	145	1	2	3	3	1	7	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
	poplars stands	62,103	57,175	63,074	544	889	1,438	1,392	553	3,229	1,012	1,012	1,036	1,055	1,072	1,087	1,098	1,108	1,117	1,124	1,129	1,134	1,138	1,141	1,144	1,146	1,148
	other broadleaves stands	100	89	96	1	1	2	2	1	5	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
	conifers stands	183	167	185	2	3	4	4	2	11	3	3	4	4	4	4	4	5	5	5	5	6	6	6	6	6	7
	others	11,089	9,962	10,773	91	148	239	232	93	546	173	173	180	186	193	199	206	212	218	224	229	235	240	245	250	255	260
protect	rupicolous forest	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	riparian forest	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	total (m^3)	550,436	652,390	422,562	338,924	426,925	470,342	529,454	447,373	841,902	422,016	529,464	537,873	545,633	553,536	561,345	568,943	576,289	583,505	590,476	597,267	603,885	610,336	616,625	622,758	628,740	634,577

Harvest quantities (m3) in the period 2000-2025

Appendix IV

This appendix contains data in format tables of the C stocks (kt C) in the aboveground and belowground biomass pools in the period 2010-2025 for each FMP of each region/province.

Abruzzo		2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025
inventory typology															kt C												
stands	norway spruce	15	16	18	19	21	22	24	25	27	29	31	33	35	37	39	41	43	46	48	50	53	55	58	60	63	66
	silver fir	56	58	60	63	65	68	70	71	74	77	79	82	85	87	90	93	95	98	101	103	106	109	111	114	116	119
	larches	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	mountain pines	776	805	837	869	901	934	968	978	1,011	1,046	1,079	1,111	1,143	1,175	1,207	1,238	1,269	1,300	1,330	1,359	1,388	1,417	1,444	1,472	1,499	1,525
	mediterranean pines	110	114	119	123	128	133	138	139	144	149	154	158	163	167	172	176	180	184	188	192	195	199	202	206	209	212
	other conifers	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	european beech	7,577	7,712	7,884	8,053	8,224	8,403	8,585	8,557	8,742	8,932	9,115	9,288	9,462	9,645	9,829	10,003	10,184	10,361	10,537	10,712	10,885	11,057	11,226	11,395	11,561	11,726
	turkey oak	766	776	790	803	817	831	845	839	854	869	883	896	910	924	938	951	965	978	992	1,005	1,018	1,031	1,043	1,056	1,068	1,080
	other oaks	1,425	1,452	1,486	1,520	1,553	1,587	1,621	1,617	1,652	1,687	1,720	1,750	1,779	1,808	1,837	1,862	1,887	1,911	1,934	1,955	1,974	1,993	2,010	2,027	2,042	2,056
	other broadleaves	1,003	1,024	1,050	1,076	1,102	1,129	1,157	1,156	1,184	1,213	1,241	1,267	1,294	1,322	1,350	1,377	1,405	1,433	1,460	1,487	1,514	1,541	1,568	1,595	1,621	1,648
coppices	european beech	3,226	3,235	3,246	3,251	3,244	3,258	3,264	3,208	3,245	3,284	3,305	3,325	3,341	3,361	3,381	3,397	3,415	3,432	3,449	3,466	3,482	3,497	3,513	3,527	3,542	3,556
	sweet chestnut	668	692	717	741	761	786	809	816	846	876	902	926	949	972	994	1,014	1,034	1,052	1,070	1,086	1,102	1,116	1,129	1,142	1,154	1,164
	hornbeams	395	397	399	400	400	403	404	399	404	410	414	417	420	423	426	429	431	434	436	439	441	443	445	447	449	451
	other oaks	1,263	1,285	1,308	1,328	1,342	1,366	1,385	1,379	1,411	1,443	1,466	1,487	1,505	1,523	1,540	1,554	1,568	1,580	1,591	1,602	1,611	1,620	1,628	1,635	1,642	1,648
	turkey oak	231	232	234	235	236	238	239	236	240	244	247	249	251	253	256	257	259	261	262	264	265	266	267	268	269	270
	evergreen oaks	100	101	102	103	103	104	105	103	105	107	108	109	110	111	112	113	114	115	116	116	117	118	119	120	120	121
	other broadleaves	1,330	1,369	1,408	1,443	1,473	1,512	1,545	1,550	1,597	1,644	1,682	1,717	1,748	1,780	1,810	1,836	1,862	1,885	1,907	1,928	1,946	1,964	1,980	1,995	2,009	2,022
	conifers	134	137	140	143	145	149	152	152	156	160	164	167	171	174	178	181	184	188	191	194	197	200	203	206	209	212
plantations	eucaliptuses coppices	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	other broadleaves coppices	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
	poplars stands	7	7	7	7	6	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7
	other broadleaves stands	5	5	4	4	4	4	4	4	4	4	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3
	conifers stands	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	others	58	51	47	43	38	38	38	36	35	35	33	32	31	30	29	28	28	27	27	26	26	26	26	25	25	25
protective	rupicolous forest	959	982	1,009	1,036	1,063	1,091	1,120	1,120	1,149	1,178	1,207	1,234	1,261	1,290	1,318	1,345	1,373	1,401	1,428	1,455	1,482	1,508	1,534	1,560	1,586	1,611
	riparian forest	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	total (kt C)	**20,106**	**20,451**	**20,866**	**21,259**	**21,626**	**22,063**	**22,479**	**22,394**	**22,889**	**23,393**	**23,840**	**24,261**	**24,666**	**25,094**	**25,517**	**25,905**	**26,308**	**26,697**	**27,077**	**27,449**	**27,814**	**28,170**	**28,519**	**28,861**	**29,195**	**29,522**

C stocks (kt C) in the aboveground and belowground biomass pools in the period 2010-2025

Alto_Adige		2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025
inventory typology		kt C																									
stands	norway spruce	10,700	10,710	10,730	10,724	10,734	10,742	10,708	10,699	10,601	10,581	10,559	10,537	10,516	10,495	10,475	10,455	10,436	10,417	10,398	10,380	10,362	10,345	10,328	10,312	10,295	10,279
	silver fir	399	400	401	401	402	403	402	402	399	398	398	397	397	396	396	396	395	395	394	394	394	393	393	393	392	392
	larches	3,952	3,967	3,985	3,993	4,008	4,021	4,019	4,025	3,998	4,000	4,001	4,002	4,003	4,004	4,005	4,006	4,006	4,007	4,008	4,009	4,010	4,011	4,011	4,012	4,013	4,014
	mountain pines	4,671	4,772	4,878	4,973	5,076	5,179	5,261	5,357	5,408	5,498	5,589	5,681	5,773	5,865	5,958	6,051	6,144	6,238	6,332	6,426	6,520	6,615	6,709	6,804	6,899	6,994
	mediterranean pines	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	other conifers	130	133	136	140	143	146	149	152	154	157	159	162	165	167	170	172	175	177	180	182	185	187	189	191	194	196
	european beech	312	318	324	329	335	341	345	350	352	357	362	366	371	375	379	384	388	392	397	401	405	409	413	417	421	425
	turkey oak	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	other oaks	191	196	201	206	210	215	218	222	224	228	231	234	237	239	242	245	247	249	251	253	255	257	259	260	262	263
	other broadleaves	202	207	212	217	222	227	232	236	239	243	247	251	255	259	263	267	270	274	278	281	285	288	292	295	299	302
coppices	european beech	9	8	7	6	6	6	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5
	sweet chestnut	30	28	26	25	25	24	24	24	23	23	23	23	22	22	22	22	22	22	22	22	22	22	22	22	22	22
	hornbeams	14	13	13	13	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12
	other oaks	15	14	14	13	13	13	13	13	13	13	13	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12
	turkey oak	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	evergreen oaks	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	other broadleaves	12	12	11	11	11	11	11	11	11	11	11	11	11	11	10	10	10	10	10	10	10	10	10	10	10	10
	conifers	4	3	3	3	2	2	2	2	2	2	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
plantations	eucaliptuses coppices	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	other broadleaves coppices	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	poplars stands	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	other broadleaves stands	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	conifers stands	7	6	5	4	3	3	3	2	2	2	2	2	2	1	1	1	1	1	1	1	1	1	1	1	1	1
	others	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
protec	rupicolous forest	1,128	1,144	1,160	1,176	1,191	1,208	1,224	1,239	1,255	1,270	1,285	1,300	1,314	1,329	1,343	1,357	1,371	1,385	1,399	1,412	1,426	1,439	1,452	1,465	1,478	1,491
	ripanan forest	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	total (kt C)	**21,775**	**21,930**	**22,106**	**22,233**	**22,395**	**22,553**	**22,628**	**22,753**	**22,698**	**22,799**	**22,897**	**22,995**	**23,094**	**23,194**	**23,295**	**23,396**	**23,497**	**23,599**	**23,701**	**23,803**	**23,906**	**24,008**	**24,111**	**24,214**	**24,317**	**24,420**

C stocks (kt C) in the aboveground and belowground biomass pools in the period 2010-2025

Basilicata		2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025
inventory typology		kt C																									
stands	norway spruce	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	silver fir	45	47	48	50	52	53	55	56	58	60	61	63	64	66	68	70	71	73	75	77	78	80	82	84	85	87
	larches	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	mountain pines	249	256	265	273	282	291	300	306	314	322	331	338	345	353	362	370	379	387	395	402	410	418	425	433	440	447
	mediterranean pines	299	309	321	333	345	357	369	378	388	399	410	420	428	439	450	460	469	479	488	497	505	513	521	529	537	544
	other conifers	59	61	63	65	68	70	72	74	76	78	80	82	84	86	88	91	93	95	97	99	101	104	106	108	110	112
	european beech	2,934	2,967	3,021	3,075	3,131	3,186	3,244	3,271	3,312	3,363	3,416	3,458	3,488	3,542	3,595	3,645	3,696	3,745	3,793	3,840	3,887	3,933	3,978	4,023	4,066	4,110
	turkey oak	3,463	3,519	3,601	3,684	3,769	3,852	3,939	3,990	4,057	4,136	4,218	4,286	4,340	4,423	4,506	4,585	4,665	4,743	4,819	4,895	4,970	5,045	5,118	5,191	5,263	5,334
	other oaks	1,377	1,400	1,432	1,463	1,495	1,526	1,557	1,574	1,597	1,625	1,653	1,675	1,691	1,717	1,742	1,765	1,787	1,808	1,827	1,844	1,861	1,877	1,892	1,906	1,919	1,931
	other broadleaves	2,067	2,104	2,157	2,210	2,264	2,318	2,374	2,408	2,452	2,503	2,557	2,602	2,638	2,692	2,747	2,799	2,852	2,903	2,954	3,005	3,056	3,106	3,156	3,205	3,254	3,303
coppices	european beech	216	220	224	223	221	221	221	218	217	219	220	222	222	223	225	226	227	229	230	231	233	234	235	236	238	239
	sweet chestnut	545	571	596	608	615	631	643	650	660	678	697	713	726	743	760	774	790	805	819	833	847	860	872	885	897	908
	hornbeams	142	145	148	148	147	148	149	148	148	150	152	153	154	156	157	158	160	161	163	164	165	166	167	168	169	170
	other oaks	1,277	1,318	1,355	1,365	1,362	1,380	1,392	1,391	1,400	1,424	1,449	1,468	1,480	1,500	1,519	1,531	1,546	1,559	1,571	1,582	1,592	1,601	1,609	1,617	1,624	1,630
	turkey oak	412	422	431	432	429	432	434	431	431	437	443	447	450	455	460	464	468	472	476	480	484	487	491	494	497	500
	evergreen oaks	709	724	737	735	727	730	730	723	721	727	734	739	741	748	754	758	764	770	775	780	785	789	794	799	803	807
	other broadleaves	695	729	762	779	788	808	825	833	847	870	893	913	928	948	968	983	1,000	1,016	1,030	1,044	1,057	1,069	1,080	1,090	1,100	1,109
	conifers	51	53	55	56	56	57	58	59	60	61	63	64	65	67	68	69	71	72	74	75	76	77	79	80	81	82
plantations	eucaliptuses coppices	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	other broadleaves coppices	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	poplars stands	3	2	3	2	3	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
	other broadleaves stands	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	conifers stands	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	others	27	21	21	19	17	15	12	11	9	9	8	7	6	6	6	5	5	5	5	5	5	5	4	4	4	4
protec	rupicolous forest	1,180	1,208	1,244	1,281	1,318	1,355	1,394	1,420	1,451	1,488	1,525	1,557	1,584	1,621	1,658	1,693	1,728	1,762	1,796	1,829	1,861	1,893	1,924	1,955	1,985	2,014
	ripanan forest	56	56	57	57	58	58	59	59	60	60	61	61	61	62	63	63	64	64	65	65	66	66	67	67	68	68
	total (kt C)	**15,806**	**16,134**	**16,539**	**16,860**	**17,147**	**17,491**	**17,829**	**18,001**	**18,261**	**18,610**	**18,972**	**19,271**	**19,497**	**19,849**	**20,197**	**20,511**	**20,839**	**21,149**	**21,453**	**21,750**	**22,040**	**22,324**	**22,602**	**22,874**	**23,140**	**23,400**

C stocks (kt C) in the aboveground and belowground biomass pools in the period 2010-2025

Calabria		2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025
inventory typology		kt C																									
stands	norway spruce	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	silver fir	169	172	175	179	183	187	192	189	191	194	199	201	201	205	209	213	217	221	224	228	231	235	238	241	245	248
	larches	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	mountain pines	5,548	5,642	5,741	5,852	5,963	6,106	6,234	6,145	6,191	6,293	6,416	6,488	6,475	6,595	6,712	6,816	6,933	7,035	7,135	7,233	7,329	7,423	7,515	7,605	7,693	7,779
	mediterranean pines	878	901	924	949	974	1,003	1,030	1,021	1,034	1,056	1,082	1,099	1,101	1,125	1,149	1,170	1,192	1,212	1,231	1,250	1,267	1,285	1,301	1,317	1,332	1,347
	other conifers	57	58	59	61	62	64	65	65	65	67	68	69	69	71	72	74	75	77	78	79	81	82	83	84	86	87
	european beech	5,745	5,786	5,833	5,894	5,955	6,049	6,129	5,995	5,995	6,049	6,124	6,151	6,098	6,173	6,244	6,306	6,380	6,442	6,502	6,562	6,620	6,678	6,734	6,789	6,844	6,897
	turkey oak	476	481	486	493	499	509	517	507	509	515	522	526	523	530	538	544	552	558	565	571	577	583	589	595	601	606
	other oaks	1,780	1,796	1,813	1,834	1,855	1,885	1,910	1,870	1,872	1,892	1,918	1,928	1,914	1,939	1,962	1,981	2,004	2,022	2,039	2,055	2,070	2,084	2,098	2,111	2,123	2,134
	other broadleaves	3,645	3,683	3,724	3,774	3,823	3,894	3,956	3,880	3,890	3,935	3,993	4,020	3,995	4,053	4,109	4,158	4,216	4,265	4,314	4,361	4,408	4,455	4,500	4,545	4,590	4,633
coppices	european beech	1,503	1,507	1,513	1,514	1,508	1,514	1,512	1,454	1,424	1,440	1,449	1,442	1,414	1,427	1,436	1,436	1,430	1,436	1,441	1,446	1,451	1,456	1,461	1,466	1,471	1,475
	sweet chestnut	2,712	2,794	2,877	2,950	3,008	3,088	3,150	3,096	3,096	3,196	3,280	3,326	3,321	3,409	3,489	3,543	3,582	3,647	3,710	3,770	3,829	3,887	3,942	3,996	4,048	4,098
	hornbeams	151	153	155	156	157	158	159	154	153	156	158	158	156	159	161	162	162	164	165	167	168	169	170	171	172	173
	other oaks	492	504	516	526	533	543	550	538	536	550	562	567	563	575	584	590	592	599	605	610	615	620	624	628	631	634
	turkey oak	543	546	550	552	551	555	555	536	527	535	541	540	532	538	544	546	545	549	552	556	559	562	565	568	571	573
	evergreen oaks	1,578	1,584	1,592	1,595	1,591	1,599	1,599	1,540	1,511	1,532	1,544	1,540	1,513	1,529	1,542	1,545	1,542	1,550	1,558	1,566	1,573	1,581	1,588	1,595	1,601	1,608
	other broadleaves	1,417	1,469	1,521	1,567	1,604	1,653	1,690	1,666	1,671	1,730	1,779	1,806	1,806	1,855	1,899	1,928	1,948	1,980	2,011	2,041	2,068	2,093	2,117	2,139	2,160	2,179
	conifers	138	141	145	148	150	154	157	154	153	158	162	164	163	167	171	174	176	179	182	185	188	191	194	197	199	202
plantations	eucaliptuses coppices	28	29	29	29	29	30	30	30	30	30	31	31	31	32	32	32	32	32	32	33	33	33	33	33	33	33
	other broadleaves coppices	22	23	23	23	23	24	24	23	24	24	25	25	25	25	25	26	26	26	26	26	26	26	26	26	26	26
	poplars stands	96	96	96	96	97	97	98	98	99	101	102	102	103	103	103	103	103	103	103	103	103	103	103	103	103	103
	other broadleaves stands	41	41	42	43	43	45	46	45	46	47	48	50	50	51	53	54	55	57	58	59	61	62	63	64	66	67
	conifers stands	30	31	32	34	35	37	39	39	40	42	44	46	47	49	51	53	55	57	59	61	62	64	66	68	69	71
	others	1,891	1,921	1,953	1,991	2,025	2,079	2,123	2,095	2,132	2,190	2,253	2,297	2,311	2,371	2,428	2,480	2,536	2,586	2,634	2,681	2,726	2,769	2,811	2,852	2,891	2,929
protec	rupicolous forest	1,804	1,849	1,894	1,943	1,992	2,049	2,102	2,082	2,116	2,164	2,217	2,253	2,259	2,312	2,362	2,409	2,460	2,506	2,551	2,595	2,639	2,681	2,723	2,764	2,804	2,844
	riparian forest	49	49	49	50	50	51	51	50	50	50	51	51	50	51	51	52	52	52	53	53	54	54	54	54	55	55
	total (kt C)	**30,793**	**31,254**	**31,744**	**32,253**	**32,710**	**33,374**	**33,917**	**33,273**	**33,353**	**33,947**	**34,566**	**34,880**	**34,721**	**35,345**	**35,928**	**36,392**	**36,866**	**37,353**	**37,828**	**38,289**	**38,738**	**39,174**	**39,599**	**40,011**	**40,412**	**40,802**

C stocks (kt C) in the aboveground and belowground biomass pools in the period 2010-2025

Campania		2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025
inventory typology		kt C																									
stands	norway spruce	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	silver fir	43	44	44	45	46	47	47	47	48	48	49	49	48	49	50	50	51	52	52	53	53	54	55	55	56	56
	larches	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	mountain pines	111	115	119	122	127	132	136	138	143	146	150	151	152	156	160	164	167	171	175	178	181	185	188	191	194	197
	mediterranean pines	95	98	101	103	107	110	113	115	118	120	123	123	124	127	130	132	134	137	139	142	144	146	148	150	152	153
	other conifers	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	european beech	3,699	3,702	3,696	3,683	3,705	3,740	3,752	3,720	3,733	3,736	3,743	3,679	3,629	3,651	3,673	3,686	3,703	3,720	3,737	3,753	3,769	3,785	3,800	3,814	3,828	3,842
	turkey oak	593	592	589	585	587	591	591	585	585	585	584	573	564	566	569	570	571	573	574	576	577	579	580	581	583	584
	other oaks	296	299	302	303	308	313	317	317	320	323	326	322	320	324	328	331	334	338	341	344	347	349	352	354	357	359
	other broadleaves	645	649	651	653	660	669	675	672	677	681	685	676	669	676	682	687	693	698	704	709	715	720	725	729	734	739
coppices	european beech	384	377	379	374	373	372	369	344	335	328	326	322	317	316	314	309	305	303	301	299	297	295	293	291	289	287
	sweet chestnut	2,324	2,363	2,451	2,495	2,564	2,631	2,686	2,578	2,578	2,597	2,650	2,689	2,716	2,770	2,821	2,838	2,864	2,903	2,940	2,975	3,009	3,041	3,072	3,102	3,130	3,157
	hornbeams	447	445	452	452	456	460	462	438	432	430	434	435	435	439	442	441	441	443	445	447	449	451	452	454	455	456
	other oaks	905	903	921	922	933	943	950	899	887	883	890	892	891	900	907	905	905	910	914	919	923	927	931	935	939	942
	turkey oak	728	722	732	729	733	738	739	698	686	681	684	684	682	686	690	686	685	687	689	691	693	695	696	698	699	700
	evergreen oaks	540	533	539	535	536	538	538	505	495	489	490	488	485	487	488	484	482	482	482	482	483	483	483	483	483	483
	other broadleaves	2,042	2,088	2,177	2,226	2,297	2,365	2,422	2,333	2,341	2,366	2,421	2,463	2,493	2,547	2,597	2,616	2,643	2,680	2,716	2,749	2,781	2,810	2,838	2,864	2,889	2,912
	conifers	188	190	195	197	201	205	208	199	197	198	201	203	204	207	210	211	212	214	216	218	220	222	224	226	228	230
plantations	eucaliptuses coppices	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	other broadleaves coppices	31	31	32	32	33	33	34	33	33	34	34	34	34	35	35	35	35	35	35	35	35	35	35	35	35	35
	poplars stands	123	125	125	126	127	128	129	130	131	131	132	132	132	132	132	132	132	132	132	132	132	132	132	132	132	132
	other broadleaves stands	49	50	51	53	54	55	57	57	58	58	59	59	59	60	62	63	64	65	66	67	68	69	70	71	73	74
	conifers stands	40	42	45	47	49	51	54	55	57	58	60	61	63	65	67	69	71	74	76	78	80	82	84	86	87	89
	others	2,553	2,627	2,695	2,761	2,823	2,895	2,967	2,971	3,017	3,041	3,094	3,087	3,089	3,149	3,208	3,258	3,309	3,359	3,407	3,454	3,499	3,542	3,583	3,623	3,661	3,698
protec	rupicolous forest	1,108	1,139	1,172	1,203	1,233	1,265	1,297	1,311	1,333	1,344	1,369	1,369	1,372	1,401	1,430	1,455	1,480	1,506	1,530	1,554	1,578	1,600	1,622	1,644	1,664	1,684
	riparian forest	53	54	54	55	55	56	56	56	56	56	56	55	55	55	56	56	56	57	57	57	58	58	59	59	60	60
	total (kt C)	**16,997**	**17,188**	**17,522**	**17,701**	**18,006**	**18,338**	**18,600**	**18,199**	**18,259**	**18,332**	**18,558**	**18,548**	**18,534**	**18,798**	**19,052**	**19,178**	**19,339**	**19,539**	**19,730**	**19,914**	**20,090**	**20,260**	**20,422**	**20,578**	**20,728**	**20,871**

C stocks (kt C) in the aboveground and belowground biomass pools in the period 2010-2025

Emilia_Romagna		2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025
inventory typology															kt C												
stands	norway spruce	21	22	24	26	28	31	33	35	38	40	43	46	49	52	55	58	61	64	67	71	74	77	81	84	88	91
	silver fir	55	58	62	65	69	72	76	80	84	88	93	97	101	105	109	113	118	122	126	130	135	139	143	147	151	156
	larches	6	6	7	7	8	8	9	9	10	11	11	12	13	13	14	15	15	16	17	18	19	20	21	22	23	24
	mountain pines	612	642	673	704	734	765	798	832	866	899	932	964	995	1,028	1,059	1,090	1,121	1,152	1,181	1,211	1,240	1,268	1,296	1,323	1,350	1,376
	mediterranean pines	173	180	188	196	203	211	219	227	235	243	251	258	265	272	279	286	293	299	306	312	318	323	329	334	339	344
	other conifers	48	50	52	54	56	58	60	62	64	67	69	71	73	75	78	80	82	84	86	89	91	93	95	97	100	102
	european beech	548	564	581	598	614	632	651	671	690	710	729	748	767	786	806	825	845	864	883	902	921	940	959	977	996	1,014
	turkey oak	357	364	371	379	385	392	401	409	418	426	434	442	449	457	465	473	480	488	495	503	510	517	524	531	538	545
	other oaks	310	318	327	335	344	352	362	371	380	389	398	406	413	421	428	435	442	448	454	460	465	470	475	479	484	488
	other broadleaves	558	573	588	604	619	634	652	670	687	705	722	739	756	774	791	808	825	842	859	876	893	910	926	943	959	976
coppices	european beech	4,480	4,523	4,573	4,629	4,687	4,743	4,803	4,855	4,910	4,958	5,010	5,060	5,106	5,151	5,194	5,233	5,272	5,308	5,342	5,375	5,405	5,434	5,462	5,488	5,512	5,535
	sweet chestnut	2,624	2,742	2,865	2,995	3,128	3,261	3,398	3,532	3,671	3,806	3,947	4,088	4,228	4,370	4,511	4,651	4,791	4,930	5,069	5,207	5,343	5,479	5,614	5,747	5,879	6,009
	hornbeams	1,884	1,905	1,928	1,954	1,980	2,006	2,032	2,056	2,082	2,104	2,128	2,152	2,174	2,196	2,217	2,237	2,256	2,275	2,294	2,311	2,328	2,345	2,361	2,376	2,391	2,405
	other oaks	1,885	1,931	1,979	2,030	2,082	2,133	2,184	2,233	2,283	2,330	2,379	2,426	2,473	2,519	2,564	2,608	2,651	2,693	2,734	2,775	2,815	2,854	2,892	2,929	2,965	3,001
	turkey oak	1,820	1,837	1,858	1,881	1,904	1,927	1,951	1,972	1,995	2,015	2,037	2,058	2,079	2,099	2,119	2,137	2,155	2,173	2,191	2,207	2,223	2,239	2,254	2,269	2,284	2,297
	evergreen oaks	128	131	135	138	142	146	150	154	158	161	165	169	172	176	180	183	187	190	194	197	200	203	206	209	212	215
	other broadleaves	4,899	5,068	5,241	5,417	5,593	5,762	5,931	6,087	6,242	6,383	6,525	6,659	6,782	6,899	7,008	7,107	7,200	7,286	7,365	7,437	7,504	7,565	7,622	7,673	7,719	7,762
	conifers	491	506	522	539	556	573	591	608	625	642	659	677	694	711	728	745	762	779	796	812	828	845	861	877	893	908
plantations	eucaliptuses coppices	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	other broadleaves coppices	10	11	11	11	11	11	12	12	12	12	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13
	poplars stands	997	1,018	1,032	1,044	1,057	1,072	1,087	1,108	1,122	1,132	1,140	1,144	1,146	1,146	1,147	1,147	1,147	1,147	1,147	1,147	1,147	1,147	1,147	1,147	1,147	1,147
	other broadleaves stands	39	40	40	41	41	42	43	44	46	47	49	50	52	53	55	56	58	59	61	62	64	65	67	68	70	71
	conifers stands	12	13	14	14	15	15	16	17	18	19	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34
	others	803	824	840	853	866	882	898	930	962	995	1,028	1,060	1,090	1,120	1,150	1,179	1,206	1,234	1,260	1,285	1,310	1,334	1,357	1,379	1,400	1,421
protec	rupicolous forest	891	920	949	978	1,008	1,038	1,068	1,098	1,127	1,157	1,187	1,216	1,243	1,272	1,300	1,328	1,356	1,383	1,410	1,436	1,462	1,487	1,512	1,537	1,561	1,584
	riparian forest	1,482	1,495	1,510	1,524	1,539	1,554	1,570	1,585	1,600	1,615	1,630	1,644	1,657	1,671	1,685	1,699	1,712	1,725	1,738	1,750	1,762	1,774	1,785	1,796	1,807	1,818
	total (kt C)	**25,132**	**25,742**	**26,368**	**27,015**	**27,668**	**28,321**	**28,994**	**29,656**	**30,326**	**30,953**	**31,597**	**32,218**	**32,812**	**33,403**	**33,978**	**34,531**	**35,074**	**35,602**	**36,115**	**36,614**	**37,100**	**37,573**	**38,032**	**38,479**	**38,915**	**39,338**

C stocks (kt C) in the aboveground and belowground biomass pools in the period 2010-2025

Friuli_Venezia_Giulia		2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025
inventory typology															kt C												
stands	norway spruce	2,473	2,488	2,501	2,498	2,513	2,527	2,536	2,550	2,554	2,572	2,586	2,599	2,609	2,617	2,630	2,644	2,657	2,667	2,677	2,687	2,697	2,707	2,716	2,726	2,735	2,744
	silver fir	661	664	667	665	669	671	673	676	676	680	683	686	688	690	692	695	698	700	702	704	706	708	710	712	714	715
	larches	642	647	652	652	657	662	666	670	673	679	683	688	692	695	700	704	708	712	716	719	723	727	730	733	737	740
	mountain pines	1,534	1,574	1,611	1,640	1,680	1,720	1,757	1,798	1,832	1,877	1,920	1,962	2,004	2,043	2,088	2,133	2,178	2,222	2,266	2,310	2,355	2,399	2,445	2,490	2,535	2,581
	mediterranean pines	102	106	109	111	115	118	121	124	126	129	132	135	137	140	142	145	147	149	151	153	155	157	159	161	162	164
	other conifers	62	64	66	67	69	71	73	74	76	78	80	81	83	85	86	88	90	92	93	95	96	98	99	101	102	104
	european beech	4,783	4,847	4,905	4,934	4,998	5,058	5,111	5,170	5,211	5,280	5,341	5,400	5,453	5,501	5,560	5,619	5,676	5,729	5,781	5,832	5,882	5,932	5,982	6,031	6,079	6,127
	turkey oak	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	other oaks	142	144	147	148	151	153	155	157	159	161	164	166	167	169	171	172	174	175	177	178	179	180	181	182	183	184
	other broadleaves	817	831	844	852	867	880	892	906	916	931	944	957	970	981	994	1,007	1,019	1,031	1,043	1,054	1,065	1,077	1,088	1,098	1,109	1,120
coppices	european beech	786	799	814	833	851	868	887	905	907	926	942	957	970	981	997	1,013	1,029	1,043	1,058	1,072	1,087	1,101	1,115	1,129	1,143	1,156
	sweet chestnut	605	625	647	671	695	717	741	764	772	795	816	835	852	866	885	903	920	936	952	967	981	995	1,009	1,022	1,035	1,047
	hornbeams	426	427	429	433	437	440	444	448	444	448	450	453	454	454	456	458	460	462	463	465	466	467	469	470	471	472
	other oaks	133	134	137	139	142	144	147	150	149	152	154	156	157	158	160	162	164	165	167	168	170	171	172	173	175	176
	turkey oak	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	evergreen oaks	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	other broadleaves	2,024	2,078	2,138	2,204	2,268	2,327	2,388	2,446	2,458	2,515	2,563	2,606	2,641	2,667	2,706	2,742	2,775	2,803	2,830	2,854	2,877	2,898	2,918	2,936	2,952	2,968
	conifers	509	519	531	544	558	570	584	597	599	613	624	635	644	652	663	674	685	695	704	714	723	732	741	750	758	767
plantations	eucaliptuses coppices	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	other broadleaves coppices	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
	poplars stands	54	57	63	71	80	86	90	77	85	97	98	100	101	102	103	104	105	106	106	107	107	107	108	108	108	109
	other broadleaves stands	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	conifers stands	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	others	33	33	35	38	42	44	45	37	41	45	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46
protec	rupicolous forest	2,373	2,418	2,461	2,494	2,540	2,586	2,630	2,676	2,723	2,769	2,815	2,861	2,903	2,942	2,988	3,033	3,077	3,119	3,160	3,200	3,240	3,280	3,319	3,358	3,396	3,434
	riparian forest	706	711	715	717	723	729	734	740	745	751	757	762	767	770	776	781	786	791	795	799	803	807	811	815	818	822
	total (kt C)	**18,867**	**19,168**	**19,472**	**19,714**	**20,057**	**20,375**	**20,676**	**20,967**	**21,146**	**21,499**	**21,801**	**22,085**	**22,340**	**22,561**	**22,846**	**23,124**	**23,397**	**23,644**	**23,887**	**24,126**	**24,361**	**24,592**	**24,819**	**25,042**	**25,261**	**25,477**

C stocks (kt C) in the aboveground and belowground biomass pools in the period 2010-2025

Lazio		2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025
inventory typology															kt C												
stands	norway spruce	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	silver fir	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	larches	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	mountain pines	338	349	358	362	370	379	386	392	402	412	420	426	428	437	446	454	463	471	480	488	495	503	510	517	524	531
	mediterranean pines	339	350	360	365	373	383	391	397	408	418	427	433	435	445	454	462	471	479	488	495	503	510	517	524	530	536
	other conifers	50	51	52	53	54	55	56	56	57	59	60	60	60	62	63	64	65	66	67	68	69	70	71	72	73	74
	european beech	2,839	2,847	2,842	2,804	2,788	2,787	2,775	2,751	2,758	2,767	2,764	2,748	2,706	2,716	2,723	2,727	2,734	2,742	2,750	2,757	2,764	2,772	2,778	2,785	2,792	2,798
	turkey oak	696	697	695	684	679	677	673	666	666	667	665	660	649	650	651	651	651	652	653	654	655	655	656	657	658	658
	other oaks	425	432	438	438	441	447	451	453	459	466	471	474	472	479	485	490	496	501	507	512	517	522	526	530	535	539
	other broadleaves	522	529	534	532	534	539	542	543	549	556	560	562	558	564	570	576	581	587	593	598	604	609	614	620	625	630
coppices	european beech	1,681	1,661	1,668	1,660	1,665	1,662	1,668	1,666	1,687	1,701	1,716	1,720	1,729	1,745	1,762	1,763	1,772	1,786	1,800	1,814	1,827	1,840	1,853	1,865	1,876	1,887
	sweet chestnut	4,620	4,687	4,813	4,889	4,988	5,061	5,151	5,213	5,328	5,417	5,497	5,537	5,578	5,629	5,671	5,666	5,680	5,708	5,729	5,744	5,756	5,765	5,772	5,777	5,781	5,784
	hornbeams	1,711	1,700	1,718	1,719	1,733	1,740	1,755	1,763	1,793	1,817	1,840	1,853	1,869	1,892	1,915	1,922	1,936	1,956	1,974	1,992	2,009	2,025	2,040	2,054	2,068	2,081
	other oaks	1,735	1,755	1,803	1,832	1,874	1,906	1,947	1,978	2,033	2,081	2,126	2,158	2,194	2,235	2,275	2,293	2,319	2,351	2,380	2,406	2,430	2,451	2,470	2,488	2,503	2,517
	turkey oak	1,718	1,712	1,735	1,742	1,761	1,773	1,793	1,806	1,841	1,869	1,896	1,911	1,929	1,954	1,977	1,983	1,996	2,015	2,032	2,048	2,062	2,075	2,087	2,098	2,107	2,116
	evergreen oaks	1,653	1,636	1,647	1,642	1,649	1,649	1,658	1,658	1,681	1,698	1,715	1,722	1,733	1,751	1,769	1,772	1,783	1,799	1,815	1,831	1,846	1,860	1,874	1,887	1,900	1,913
	other broadleaves	2,039	2,082	2,157	2,211	2,279	2,336	2,403	2,457	2,542	2,617	2,690	2,746	2,807	2,876	2,944	2,984	3,035	3,093	3,148	3,200	3,248	3,295	3,338	3,378	3,416	3,452
	conifers	188	189	194	197	201	204	208	211	217	222	227	231	235	241	246	249	253	258	263	268	273	277	282	286	291	295
plantations	eucaliptuses coppices	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	other broadleaves coppices	7	7	7	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6
	poplars stands	58	59	58	57	58	59	56	58	61	62	62	63	63	63	63	63	63	63	63	63	63	63	63	63	63	63
	other broadleaves stands	16	16	15	14	14	13	12	12	12	12	11	11	11	11	10	10	10	10	10	10	10	10	10	10	10	10
	conifers stands	6	6	6	6	6	6	5	5	5	5	5	5	5	5	5	5	4	4	4	4	4	4	4	4	4	4
	others	433	435	417	395	388	379	344	339	345	345	340	333	324	323	321	318	317	315	314	313	312	311	310	309	308	308
protec	rupicolous forest	820	835	854	865	883	902	921	931	947	965	981	992	994	1,013	1,032	1,049	1,067	1,086	1,104	1,121	1,139	1,156	1,173	1,190	1,206	1,222
	riparian forest	54	54	55	55	55	56	56	56	57	57	58	58	57	58	58	59	60	60	61	61	62	62	63	63	64	64
	total (kt C)	**21,946**	**22,091**	**22,424**	**22,529**	**22,798**	**23,018**	**23,258**	**23,416**	**23,853**	**24,218**	**24,537**	**24,710**	**24,843**	**25,154**	**25,446**	**25,567**	**25,763**	**26,010**	**26,240**	**26,454**	**26,654**	**26,842**	**27,018**	**27,184**	**27,341**	**27,488**

C stocks (kt C) in the aboveground and belowground biomass pools in the period 2010-2025

Liguria		2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025
inventory typology															kt C												
stands	norway spruce	6	7	7	8	8	8	9	9	9	10	11	11	12	12	13	13	14	14	15	16	16	17	17	18	18	19
	silver fir	31	31	32	32	32	32	32	33	32	33	34	34	35	35	36	36	37	37	38	38	39	39	40	40	41	41
	larches	14	14	15	16	16	17	17	18	18	19	20	20	21	22	23	24	24	25	26	27	28	29	30	30	31	32
	mountain pines	508	508	514	505	509	504	502	503	496	500	506	506	509	514	520	522	527	532	536	540	544	548	553	557	561	565
	mediterranean pines	1,060	1,085	1,123	1,128	1,159	1,171	1,189	1,212	1,215	1,247	1,282	1,302	1,326	1,357	1,388	1,410	1,437	1,461	1,484	1,507	1,528	1,548	1,568	1,587	1,605	1,622
	other conifers	29	29	30	30	31	31	31	32	32	32	33	33	34	35	35	36	36	37	38	38	39	39	40	40	41	41
	european beech	104	104	106	105	106	105	105	105	104	105	107	107	108	109	111	112	113	114	115	116	117	118	119	120	121	122
	turkey oak	85	85	86	84	84	83	83	82	81	82	82	82	82	83	84	84	85	85	85	86	86	87	87	87	88	88
	other oaks	39	39	40	39	40	40	40	40	40	41	42	42	42	43	44	44	45	45	46	46	47	47	48	48	49	49
	other broadleaves	451	451	456	449	453	449	448	450	444	449	454	455	458	463	468	471	476	479	483	487	490	494	497	500	503	506
coppices	european beech	1,486	1,512	1,545	1,568	1,606	1,639	1,672	1,701	1,739	1,774	1,815	1,855	1,893	1,934	1,974	2,011	2,046	2,081	2,113	2,143	2,169	2,192	2,211	2,227	2,241	2,251
	sweet chestnut	8,650	8,928	9,242	9,494	9,822	10,115	10,400	10,650	10,957	11,238	11,549	11,844	12,123	12,416	12,703	12,968	13,221	13,476	13,724	13,965	14,199	14,427	14,647	14,861	15,068	15,269
	hornbeams	393	394	398	399	403	406	409	410	414	417	421	424	428	431	435	438	441	444	446	449	452	454	457	459	461	464
	other oaks	1,738	1,764	1,795	1,813	1,845	1,868	1,890	1,905	1,931	1,951	1,976	1,998	2,016	2,036	2,055	2,069	2,082	2,095	2,106	2,117	2,127	2,135	2,143	2,151	2,157	2,163
	turkey oak	403	404	407	408	412	414	416	417	421	423	427	430	433	437	440	443	445	448	451	453	456	458	461	463	465	467
	evergreen oaks	585	589	595	598	606	612	618	622	629	635	643	650	657	664	672	678	684	691	697	703	709	715	721	727	733	738
	other broadleaves	3,335	3,426	3,528	3,603	3,705	3,790	3,869	3,934	4,018	4,091	4,172	4,245	4,310	4,376	4,439	4,491	4,538	4,584	4,627	4,665	4,701	4,733	4,763	4,790	4,815	4,837
	conifers	335	344	353	361	371	381	390	398	408	418	428	439	449	459	470	479	489	499	509	518	528	538	547	556	565	575
plantations	eucaliptuses coppices	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	other broadleaves coppices	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	poplars stands	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	other broadleaves stands	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	conifers stands	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	others	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
protec	rupicolous forest	819	837	866	873	897	901	929	955	985	1,008	1,040	1,062	1,088	1,119	1,152	1,177	1,208	1,237	1,265	1,293	1,321	1,349	1,376	1,403	1,429	1,456
	riparian forest	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	total (kt C)	**20,072**	**20,550**	**21,138**	**21,513**	**22,104**	**22,567**	**23,050**	**23,478**	**23,973**	**24,473**	**25,044**	**25,541**	**26,022**	**26,546**	**27,060**	**27,507**	**27,950**	**28,385**	**28,805**	**29,208**	**29,596**	**29,968**	**30,324**	**30,665**	**30,992**	**31,306**

C stocks (kt C) in the aboveground and belowground biomass pools in the period 2010-2025

Lombardia		2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025
inventory typology															kt C												
stands	norway spruce	2,958	2,929	2,904	2,900	2,900	2,886	2,899	2,900	2,894	2,878	2,868	2,855	2,843	2,834	2,824	2,814	2,805	2,796	2,788	2,779	2,771	2,763	2,755	2,748	2,740	2,733
	silver fir	768	758	750	746	745	739	741	739	736	730	726	721	716	713	709	705	701	697	694	691	687	684	681	678	675	672
	larches	1,616	1,601	1,589	1,588	1,589	1,582	1,591	1,592	1,590	1,582	1,577	1,570	1,564	1,560	1,555	1,550	1,545	1,541	1,537	1,532	1,528	1,524	1,520	1,516	1,512	1,508
	mountain pines	1,197	1,202	1,208	1,223	1,239	1,249	1,272	1,288	1,302	1,311	1,322	1,333	1,343	1,355	1,366	1,377	1,389	1,400	1,411	1,423	1,434	1,445	1,456	1,467	1,478	1,490
	mediterranean pines	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	other conifers	177	180	182	186	191	194	199	203	206	209	212	215	218	221	224	227	229	232	235	238	240	243	245	247	250	252
	european beech	356	355	356	358	362	363	368	371	373	374	376	377	378	380	381	382	384	385	387	388	389	390	392	393	394	395
	turkey oak	149	149	149	150	151	151	153	154	155	155	155	156	156	157	157	157	158	158	158	159	159	159	159	160	160	160
	other oaks	126	128	130	133	136	139	143	146	148	150	153	155	157	159	161	163	165	167	169	170	172	173	175	176	178	179
	other broadleaves	917	919	922	931	942	947	962	972	980	984	990	994	1,000	1,005	1,011	1,015	1,021	1,026	1,030	1,035	1,040	1,044	1,048	1,053	1,057	1,061
coppices	european beech	1,741	1,762	1,782	1,804	1,829	1,856	1,885	1,910	1,936	1,958	1,983	2,007	2,030	2,054	2,078	2,099	2,120	2,142	2,163	2,184	2,204	2,224	2,243	2,263	2,282	2,300
	sweet chestnut	5,763	5,963	6,158	6,359	6,571	6,786	7,006	7,211	7,417	7,603	7,802	7,994	8,180	8,367	8,548	8,714	8,880	9,042	9,200	9,353	9,502	9,646	9,786	9,922	10,053	10,180
	hornbeams	1,574	1,579	1,584	1,591	1,601	1,612	1,625	1,635	1,646	1,653	1,662	1,671	1,680	1,689	1,698	1,704	1,711	1,718	1,724	1,731	1,737	1,743	1,748	1,754	1,759	1,764
	other oaks	740	752	764	777	790	805	820	833	847	858	872	884	896	908	921	931	942	953	963	973	983	993	1,002	1,012	1,021	1,030
	turkey oak	433	436	437	440	443	447	451	455	458	461	464	467	470	473	476	478	480	483	485	487	489	491	493	495	497	499
	evergreen oaks	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	other broadleaves	8,668	8,884	9,087	9,294	9,511	9,725	9,942	10,131	10,314	10,469	10,634	10,785	10,924	11,057	11,181	11,280	11,378	11,469	11,553	11,630	11,699	11,763	11,822	11,875	11,923	11,968
	conifers	1,035	1,060	1,083	1,108	1,136	1,164	1,193	1,221	1,248	1,273	1,300	1,327	1,353	1,380	1,407	1,431	1,456	1,481	1,505	1,529	1,553	1,577	1,601	1,624	1,646	1,669
plantations	eucaliptuses coppices	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	other broadleaves coppices	10	10	11	11	11	11	11	11	11	11	11	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12
	poplars stands	3,917	4,049	4,171	4,282	4,380	4,471	4,546	4,622	4,683	4,768	4,843	4,906	4,958	5,002	5,039	5,069	5,094	5,115	5,132	5,147	5,159	5,168	5,176	5,183	5,188	5,193
	other broadleaves stands	42	43	44	45	46	47	49	50	51	52	54	56	57	59	60	62	63	65	66	68	70	71	73	74	76	77
	conifers stands	13	14	15	15	16	17	18	19	19	20	21	22	23	24	25	26	27	28	29	30	31	31	32	33	34	35
	others	846	869	892	915	939	962	985	1,008	1,030	1,058	1,087	1,113	1,140	1,166	1,192	1,216	1,240	1,264	1,286	1,308	1,329	1,350	1,369	1,389	1,407	1,425
protec	rupicolous forest	979	995	1,009	1,024	1,040	1,055	1,071	1,087	1,102	1,117	1,132	1,147	1,161	1,177	1,192	1,206	1,221	1,235	1,249	1,264	1,277	1,291	1,305	1,318	1,332	1,345
	riparian forest	1,174	1,178	1,180	1,184	1,189	1,193	1,197	1,202	1,206	1,210	1,214	1,218	1,222	1,226	1,230	1,234	1,238	1,242	1,246	1,250	1,254	1,257	1,261	1,264	1,268	1,271
	total (kt C)	**35,201**	**35,815**	**36,406**	**37,064**	**37,756**	**38,401**	**39,126**	**39,756**	**40,351**	**40,884**	**41,459**	**41,983**	**42,482**	**42,977**	**43,445**	**43,850**	**44,260**	**44,650**	**45,022**	**45,378**	**45,718**	**46,044**	**46,356**	**46,655**	**46,941**	**47,217**

C stocks (kt C) in the aboveground and belowground biomass pools in the period 2010-2025

Marche		2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025
inventory typology															kt C												
stands	norway spruce	13	14	15	16	17	18	20	20	21	23	24	26	27	29	31	32	34	36	37	39	41	43	45	47	49	51
	silver fir	19	21	23	24	26	28	30	30	32	35	37	39	41	43	45	47	50	52	54	56	59	61	63	65	68	70
	larches	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	mountain pines	329	348	368	389	409	430	452	447	468	489	510	528	548	568	588	607	627	645	664	682	700	718	735	752	769	785
	mediterranean pines	232	243	255	268	280	293	305	301	313	326	338	349	361	373	384	395	406	417	427	437	447	457	466	475	484	492
	other conifers	41	43	45	47	49	51	54	53	55	57	59	61	63	66	68	70	72	75	77	79	81	83	86	88	90	92
	european beech	232	237	243	249	255	262	269	260	266	273	279	285	291	298	304	311	318	324	331	337	343	350	356	362	369	375
	turkey oak	159	163	168	174	179	184	190	184	190	195	201	205	211	216	221	227	232	237	242	247	252	257	262	267	272	276
	other oaks	102	105	109	113	117	122	126	123	127	131	135	139	143	146	150	154	157	161	164	167	170	173	176	178	181	183
	other broadleaves	121	125	130	135	140	145	150	147	152	158	163	167	172	178	183	188	194	199	204	209	214	219	224	229	234	239
coppices	european beech	609	610	611	616	615	620	627	630	639	649	660	670	680	690	699	709	718	726	734	742	750	758	765	772	778	785
	sweet chestnut	208	215	222	230	236	244	253	261	271	281	292	303	314	325	336	347	358	369	379	390	401	411	421	431	441	451
	hornbeams	585	595	604	616	624	636	650	660	675	692	708	723	738	752	765	777	789	800	811	820	830	839	847	855	862	869
	other oaks	1,711	1,754	1,795	1,843	1,876	1,925	1,977	2,014	2,070	2,129	2,187	2,241	2,292	2,342	2,388	2,432	2,474	2,513	2,550	2,585	2,618	2,650	2,679	2,707	2,733	2,758
	turkey oak	319	320	321	323	324	327	331	332	338	343	349	355	360	365	370	374	379	383	387	391	395	398	401	405	408	411
	evergreen oaks	344	347	349	353	354	359	364	367	374	381	389	396	403	410	417	423	429	435	441	447	452	457	462	467	472	476
	other broadleaves	448	468	488	509	527	549	572	590	615	640	665	690	713	736	758	779	800	819	837	855	871	887	902	916	929	941
	conifers	33	34	35	36	37	38	39	40	42	43	45	46	47	49	50	52	53	55	56	57	59	60	61	62	64	65
plantations	eucaliptuses coppices	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	other broadleaves coppices	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	poplars stands	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
	other broadleaves stands	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
	conifers stands	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	others	10	9	9	8	8	8	8	8	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7
protec	rupicolous forest	297	304	312	320	328	336	345	333	342	350	358	365	373	381	389	397	405	413	420	428	435	443	450	457	464	470
	riparian forest	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	total (kt C)	**5,816**	**5,962**	**6,107**	**6,275**	**6,404**	**6,581**	**6,765**	**6,805**	**7,001**	**7,208**	**7,413**	**7,601**	**7,789**	**7,977**	**8,159**	**8,335**	**8,506**	**8,670**	**8,828**	**8,982**	**9,130**	**9,274**	**9,412**	**9,546**	**9,676**	**9,802**

C stocks (kt C) in the aboveground and belowground biomass pools in the period 2010-2025

Molise		2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025
inventory typology															kt C												
stands	norway spruce	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	silver fir	161	163	165	167	169	171	173	174	176	178	180	182	183	185	187	190	192	194	196	198	200	202	203	205	207	209
	larches	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	mountain pines	110	113	116	119	122	125	128	131	134	137	140	143	145	148	151	154	157	160	163	166	168	171	174	176	179	181
	mediterranean pines	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	other conifers	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	european beech	973	982	992	1,004	1,015	1,026	1,037	1,044	1,052	1,064	1,075	1,083	1,090	1,101	1,113	1,125	1,137	1,148	1,159	1,169	1,180	1,190	1,201	1,211	1,221	1,231
	turkey oak	797	807	819	832	845	857	869	878	888	901	913	923	931	944	957	969	982	994	1,005	1,017	1,028	1,039	1,050	1,061	1,071	1,081
	other oaks	72	73	74	75	76	78	79	79	80	81	82	83	84	85	86	87	88	89	89	90	91	91	92	93	93	94
	other broadleaves	223	227	231	235	239	243	248	251	255	259	264	267	270	275	279	284	288	293	297	301	305	310	314	318	322	326
coppices	european beech	360	359	358	358	356	355	355	353	353	353	354	353	353	353	354	353	353	353	353	353	353	353	353	353	353	353
	sweet chestnut	67	70	72	74	76	79	81	83	86	88	91	93	95	98	100	102	104	106	108	110	112	114	116	117	119	120
	hornbeams	160	161	162	164	165	166	168	169	171	173	175	176	178	179	181	182	184	185	186	187	188	189	190	191	192	193
	other oaks	1,307	1,336	1,365	1,395	1,415	1,439	1,465	1,482	1,507	1,534	1,561	1,584	1,605	1,626	1,645	1,657	1,673	1,687	1,699	1,710	1,720	1,730	1,738	1,746	1,752	1,759
	turkey oak	732	734	737	742	743	746	751	752	757	764	771	776	781	787	793	795	800	804	808	811	814	817	820	823	825	827
	evergreen oaks	66	67	67	67	67	68	68	68	69	69	70	70	70	71	71	71	72	72	72	73	73	73	74	74	74	75
	other broadleaves	67	70	73	75	78	80	83	85	87	90	92	95	97	99	102	103	105	107	109	110	112	113	115	116	117	118
	conifers	41	42	43	44	44	45	46	47	48	49	50	51	52	53	54	55	56	57	57	58	59	60	61	61	62	63
plantations	eucaliptuses coppices	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	other broadleaves coppices	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	poplars stands	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	other broadleaves stands	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	conifers stands	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	others	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
prote	rupicolous forest	343	351	359	367	375	383	391	398	404	412	420	427	433	441	449	456	464	471	479	486	492	499	506	512	519	525
	riparian forest	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	total (kt C)	**5,478**	**5,553**	**5,633**	**5,720**	**5,786**	**5,862**	**5,943**	**5,995**	**6,067**	**6,151**	**6,237**	**6,307**	**6,369**	**6,446**	**6,523**	**6,583**	**6,655**	**6,719**	**6,781**	**6,840**	**6,898**	**6,953**	**7,006**	**7,058**	**7,108**	**7,156**

C stocks (kt C) in the aboveground and belowground biomass pools in the period 2010-2025

Piemonte		2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025
inventory typology															kt C												
stands	norway spruce	76	77	77	78	79	80	81	82	84	86	88	89	91	93	95	97	98	100	102	104	106	107	109	111	113	114
	silver fir	797	801	804	807	811	820	830	840	852	868	884	900	916	931	947	962	977	993	1,008	1,023	1,038	1,053	1,068	1,082	1,097	1,111
	larches	3,387	3,416	3,435	3,455	3,480	3,528	3,576	3,629	3,688	3,765	3,845	3,923	4,001	4,079	4,161	4,238	4,314	4,394	4,474	4,554	4,633	4,713	4,793	4,872	4,951	5,030
	mountain pines	1,338	1,365	1,388	1,411	1,437	1,473	1,510	1,549	1,591	1,642	1,696	1,749	1,804	1,860	1,918	1,976	2,035	2,096	2,159	2,222	2,287	2,354	2,421	2,490	2,560	2,631
	mediterranean pines	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	other conifers	40	41	42	43	45	46	48	50	51	54	56	58	60	62	64	66	68	70	72	74	76	78	80	82	84	86
	european beech	447	453	458	464	470	479	488	498	508	522	535	549	562	575	589	603	616	630	643	657	671	684	698	712	726	739
	turkey oak	58	59	59	60	61	62	63	64	66	68	69	71	73	74	76	77	79	80	82	84	85	87	88	89	91	92
	other oaks	244	250	256	262	268	276	284	292	301	311	321	331	340	350	359	367	376	384	392	400	407	414	421	428	434	440
	other broadleaves	2,636	2,688	2,731	2,775	2,823	2,890	2,957	3,027	3,102	3,192	3,283	3,373	3,462	3,551	3,642	3,729	3,814	3,901	3,989	4,075	4,162	4,247	4,332	4,417	4,500	4,584
coppices	european beech	4,634	4,730	4,815	4,904	5,005	5,109	5,219	5,320	5,439	5,574	5,713	5,852	5,993	6,139	6,289	6,424	6,575	6,726	6,880	7,036	7,193	7,352	7,512	7,673	7,834	7,993
	sweet chestnut	9,642	10,072	10,476	10,888	11,321	11,759	12,204	12,622	13,073	13,552	14,031	14,498	14,955	15,410	15,858	16,254	16,676	17,084	17,483	17,871	18,250	18,620	18,979	19,328	19,668	19,998
	hornbeams	402	409	415	421	428	436	443	450	457	466	474	482	490	498	505	511	518	524	530	536	541	547	552	557	562	567
	other oaks	813	839	863	887	912	938	965	989	1,016	1,045	1,074	1,102	1,129	1,156	1,183	1,206	1,231	1,256	1,280	1,303	1,326	1,348	1,370	1,392	1,413	1,433
	turkey oak	546	553	560	566	574	582	590	597	606	616	625	635	644	653	662	669	677	685	692	700	707	713	720	727	733	739
	evergreen oaks	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	other broadleaves	7,343	7,641	7,915	8,190	8,475	8,759	9,043	9,301	9,576	9,863	10,142	10,403	10,648	10,882	11,104	11,282	11,471	11,644	11,804	11,952	12,089	12,215	12,331	12,437	12,535	12,624
	conifers	808	836	861	886	914	943	972	999	1,029	1,062	1,096	1,129	1,161	1,194	1,227	1,257	1,289	1,320	1,351	1,382	1,413	1,444	1,474	1,504	1,534	1,564
plantations	eucaliptuses coppices	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	other broadleaves coppices	22	24	25	27	29	30	32	33	34	35	36	37	38	38	39	39	39	39	39	39	39	40	40	40	40	40
	poplars stands	2,539	2,752	2,956	3,160	3,344	3,526	3,684	3,831	3,965	4,108	4,236	4,346	4,440	4,520	4,587	4,644	4,692	4,732	4,765	4,793	4,816	4,835	4,851	4,865	4,876	4,885
	other broadleaves stands	27	28	30	31	33	34	36	38	39	41	43	45	47	49	51	53	54	56	58	60	62	64	66	68	69	71
	conifers stands	18	20	21	23	24	26	28	30	32	34	36	39	41	44	46	49	51	54	57	59	62	65	68	70	73	76
	others	1,394	1,477	1,562	1,650	1,739	1,835	1,925	2,014	2,107	2,212	2,318	2,421	2,522	2,621	2,720	2,814	2,904	2,995	3,083	3,169	3,253	3,333	3,412	3,488	3,561	3,633
prote	rupicolous forest	1,927	1,963	1,998	2,030	2,066	2,103	2,140	2,175	2,211	2,249	2,286	2,322	2,358	2,394	2,431	2,466	2,500	2,535	2,570	2,605	2,640	2,675	2,709	2,742	2,776	2,809
	riparian forest	1,375	1,383	1,391	1,396	1,404	1,413	1,422	1,429	1,438	1,447	1,456	1,464	1,472	1,480	1,489	1,496	1,503	1,511	1,518	1,526	1,533	1,541	1,548	1,555	1,561	1,568
	total (kt C)	**40,511**	**41,878**	**43,137**	**44,415**	**45,741**	**47,148**	**48,538**	**49,857**	**51,265**	**52,810**	**54,344**	**55,816**	**57,247**	**58,654**	**60,041**	**61,279**	**62,557**	**63,809**	**65,032**	**66,225**	**67,391**	**68,529**	**69,642**	**70,729**	**71,790**	**72,827**

C stocks (kt C) in the aboveground and belowground biomass pools in the period 2010-2025

Puglia		2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025
inventory typology														*kt C*													
stands	norway spruce	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	silver fir	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	larches	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	mountain pines	102	109	118	126	134	142	150	151	155	159	162	165	166	169	174	178	183	187	190	194	197	200	203	206	209	212
	mediterranean pines	1,469	1,510	1,574	1,614	1,672	1,718	1,764	1,734	1,743	1,745	1,748	1,737	1,716	1,723	1,744	1,760	1,779	1,792	1,805	1,817	1,828	1,839	1,849	1,859	1,868	1,877
	other conifers	11	12	13	14	16	17	18	19	20	21	22	23	23	24	25	26	28	29	30	31	32	33	34	35	36	37
	european beech	138	143	151	156	163	169	176	174	177	178	180	180	179	181	185	188	191	194	197	200	203	205	208	211	213	216
	turkey oak	645	661	687	703	727	746	764	750	753	753	753	747	737	739	747	753	760	765	770	774	779	783	786	790	793	797
	other oaks	259	267	280	287	299	308	317	313	315	316	318	316	313	315	319	323	327	330	333	336	339	341	344	346	349	351
	other broadleaves	896	913	944	961	989	1,011	1,032	1,009	1,009	1,005	1,000	989	971	969	976	981	987	990	994	997	1,000	1,003	1,005	1,008	1,011	1,013
coppices	european beech	21	18	17	14	11	11	10	9	8	7	6	6	5	5	5	4	4	4	4	4	4	4	3	3	3	3
	sweet chestnut	49	45	45	42	36	37	37	36	33	34	33	32	31	31	31	31	31	31	31	31	31	31	31	31	31	31
	hornbeams	35	33	33	31	27	28	28	28	27	27	27	27	26	26	26	27	26	27	27	27	27	27	27	27	27	27
	other oaks	228	208	207	187	159	161	157	152	141	139	135	131	126	125	124	123	121	120	119	119	118	118	118	117	117	117
	turkey oak	25	23	22	20	17	18	17	17	15	15	15	14	14	14	14	14	13	13	13	13	13	13	13	13	13	13
	evergreen oaks	161	146	143	129	110	111	109	105	98	97	95	92	90	89	89	88	88	87	87	87	87	86	86	86	86	86
	other broadleaves	26	25	25	24	21	22	22	21	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20
	conifers	12	11	11	10	8	8	8	8	7	7	6	6	6	5	5	5	5	5	5	5	4	4	4	4	4	4
plantations	eucaliptuses coppices	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	other broadleaves coppices	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	poplars stands	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	other broadleaves stands	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	conifers stands	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	others	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
protec	rupicolous forest	45	46	48	50	51	53	55	55	56	57	58	59	60	61	63	65	67	68	70	71	73	74	76	77	79	80
	riparian forest	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	total (kt C)	**4,123**	**4,170**	**4,319**	**4,368**	**4,441**	**4,559**	**4,664**	**4,579**	**4,577**	**4,581**	**4,578**	**4,545**	**4,483**	**4,497**	**4,548**	**4,586**	**4,630**	**4,662**	**4,693**	**4,723**	**4,752**	**4,780**	**4,807**	**4,833**	**4,858**	**4,883**

C stocks (kt C) in the aboveground and belowground biomass pools in the period 2010-2025

Sardegna		2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025
inventory typology														*kt C*													
stands	norway spruce	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	silver fir	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	larches	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	mountain pines	125	134	145	153	164	174	185	191	201	208	218	228	237	246	255	265	274	283	292	301	310	318	327	335	343	351
	mediterranean pines	706	747	799	840	892	945	998	1,025	1,074	1,108	1,158	1,204	1,250	1,294	1,339	1,387	1,427	1,472	1,515	1,557	1,598	1,638	1,677	1,715	1,751	1,787
	other conifers	24	26	28	29	31	33	36	37	39	40	43	45	47	49	51	54	56	58	60	63	65	67	70	72	74	77
	european beech	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	turkey oak	75	77	80	83	86	89	93	94	97	99	102	105	108	111	114	117	120	123	126	129	132	135	138	141	144	147
	other oaks	1,849	1,901	1,979	2,028	2,107	2,185	2,266	2,285	2,357	2,396	2,470	2,537	2,606	2,673	2,742	2,818	2,881	2,953	3,024	3,095	3,164	3,233	3,300	3,367	3,432	3,496
	other broadleaves	213	224	237	247	261	275	290	296	310	319	332	345	358	371	384	399	411	425	439	452	466	480	494	507	521	534
coppices	european beech	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	sweet chestnut	523	555	585	613	641	667	693	715	738	753	774	792	809	824	838	851	861	870	879	886	893	899	904	909	913	916
	hornbeams	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	other oaks	206	216	226	236	247	258	269	279	291	300	312	324	337	349	362	375	387	400	413	426	440	453	467	480	494	508
	turkey oak	116	120	124	127	131	135	139	142	146	148	151	154	157	160	163	166	168	170	173	175	177	178	180	182	183	185
	evergreen oaks	3,896	4,008	4,120	4,223	4,333	4,443	4,560	4,659	4,776	4,845	4,962	5,072	5,182	5,289	5,398	5,507	5,604	5,704	5,802	5,898	5,992	6,085	6,176	6,265	6,353	6,439
	other broadleaves	2,355	2,512	2,671	2,824	2,981	3,136	3,296	3,441	3,597	3,715	3,866	4,008	4,147	4,278	4,405	4,529	4,637	4,743	4,842	4,935	5,023	5,104	5,180	5,250	5,315	5,375
	conifers	205	215	225	235	245	255	265	275	286	294	305	316	327	337	348	359	370	380	391	401	412	422	433	443	453	463
plantations	eucaliptuses coppices	33	34	34	35	35	35	36	36	37	37	37	37	37	37	37	38	38	38	38	38	38	38	38	38	38	38
	other broadleaves coppices	111	113	115	116	118	119	121	122	123	123	125	125	126	126	126	127	127	127	127	127	127	127	127	127	127	127
	poplars stands	320	323	326	330	333	336	340	342	344	346	347	348	349	349	349	349	349	349	349	349	349	349	349	349	349	349
	other broadleaves stands	208	213	221	225	233	241	250	251	258	262	269	276	283	289	296	304	310	318	325	332	339	346	353	360	367	374
	conifers stands	517	544	579	605	642	679	717	735	772	797	834	869	905	939	975	1,013	1,046	1,082	1,117	1,152	1,187	1,221	1,254	1,287	1,319	1,350
	others	8,432	8,664	8,998	9,194	9,527	9,860	10,192	10,230	10,537	10,667	10,954	11,203	11,453	11,686	11,928	12,190	12,392	12,628	12,857	13,078	13,291	13,497	13,696	13,888	14,074	14,252
protec	rupicolous forest	2,028	2,049	2,094	2,108	2,154	2,201	2,248	2,231	2,273	2,280	2,320	2,353	2,387	2,420	2,454	2,495	2,524	2,561	2,598	2,634	2,670	2,706	2,740	2,775	2,809	2,842
	riparian forest	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	total (kt C)	**21,942**	**22,673**	**23,586**	**24,251**	**25,160**	**26,066**	**26,994**	**27,385**	**28,256**	**28,735**	**29,580**	**30,341**	**31,105**	**31,829**	**32,566**	**33,341**	**33,982**	**34,683**	**35,365**	**36,028**	**36,671**	**37,296**	**37,901**	**38,489**	**39,058**	**39,610**

C stocks (kt C) in the aboveground and belowground biomass pools in the period 2010-2025

Sicilia		2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025
inventory typology														kt C													
stands	norway spruce	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	silver fir	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	larches	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	mountain pines	279	296	316	333	352	372	392	394	416	441	461	483	479	505	522	549	565	588	611	634	657	680	703	726	750	773
	mediterranean pines	982	1,026	1,082	1,123	1,170	1,217	1,266	1,258	1,311	1,372	1,416	1,466	1,438	1,498	1,533	1,594	1,624	1,672	1,719	1,766	1,812	1,857	1,902	1,947	1,990	2,034
	other conifers	62	65	69	72	75	79	82	82	85	90	93	97	95	99	102	106	109	112	116	119	123	126	130	133	137	140
	european beech	112	117	123	128	134	140	146	146	153	161	166	173	171	179	184	192	197	204	211	218	225	232	239	247	254	261
	turkey oak	601	626	658	681	708	735	762	756	786	821	846	874	856	891	910	945	962	989	1,015	1,042	1,068	1,094	1,119	1,145	1,170	1,194
	other oaks	1,668	1,730	1,811	1,868	1,935	2,001	2,069	2,044	2,119	2,207	2,267	2,337	2,281	2,366	2,410	2,495	2,532	2,595	2,657	2,716	2,774	2,831	2,885	2,938	2,989	3,037
	other broadleaves	1,265	1,315	1,380	1,427	1,481	1,534	1,590	1,574	1,635	1,706	1,755	1,813	1,773	1,843	1,881	1,952	1,986	2,040	2,094	2,148	2,201	2,253	2,305	2,356	2,407	2,457
coppices	european beech	831	833	847	848	850	852	854	843	847	859	844	836	766	769	754	757	733	730	728	726	723	721	719	717	715	713
	sweet chestnut	266	275	288	296	305	313	322	325	334	346	348	351	329	337	337	345	340	345	350	355	360	364	368	372	376	380
	hornbeams	38	39	40	40	41	42	42	42	43	44	44	44	41	42	42	42	41	42	42	43	43	43	43	44	44	44
	other oaks	1,116	1,144	1,186	1,209	1,233	1,256	1,278	1,281	1,306	1,342	1,338	1,343	1,254	1,280	1,277	1,300	1,278	1,293	1,306	1,317	1,328	1,338	1,346	1,354	1,361	1,368
	turkey oak	455	457	465	467	469	471	474	469	473	482	476	473	437	442	437	442	431	434	435	437	439	440	442	443	444	445
	evergreen oaks	699	704	717	721	725	730	734	727	733	746	736	731	673	678	668	673	655	655	656	657	657	658	659	659	660	660
	other broadleaves	114	120	127	133	138	143	148	151	157	163	165	168	158	163	164	169	167	170	173	176	179	181	184	186	188	190
	conifers	55	57	59	61	62	64	65	66	68	70	70	71	66	68	68	69	68	69	70	71	72	73	74	75	75	76
plantations	eucaliptuses coppices	30	31	31	32	33	33	34	34	35	36	36	37	35	36	36	37	37	37	38	38	38	38	38	38	38	39
	other broadleaves coppices	4	4	4	4	4	5	5	5	5	5	4	3	2	2	2	2	1	1	1	1	1	1	1	1	1	1
	poplars stands	13	13	13	13	14	14	14	14	14	15	13	12	11	10	10	10	10	10	9	9	9	9	9	9	9	9
	other broadleaves stands	19	20	20	21	21	22	22	22	23	24	18	14	11	9	7	6	5	5	4	4	3	3	3	3	3	3
	conifers stands	4	4	5	5	5	5	6	6	6	6	5	4	3	2	2	1	1	1	1	1	1	1	0	0	0	0
	others	274	280	288	297	304	314	324	319	332	346	269	214	161	134	111	96	82	72	64	57	52	48	45	42	39	38
prote	rupicolous forest	645	663	689	705	725	745	766	753	776	804	821	842	817	844	856	883	893	913	932	951	970	989	1,007	1,025	1,043	1,061
	riparian forest	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	total (kt C)	**9,533**	**9,820**	**10,220**	**10,486**	**10,786**	**11,088**	**11,394**	**11,309**	**11,655**	**12,084**	**12,191**	**12,387**	**11,857**	**12,200**	**12,314**	**12,664**	**12,719**	**12,977**	**13,233**	**13,486**	**13,735**	**13,981**	**14,223**	**14,461**	**14,694**	**14,923**

C stocks (kt C) in the aboveground and belowground biomass pools in the period 2010-2025

Toscana		2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025
inventory typology														kt C													
stands	norway spruce	12	13	14	15	16	17	18	19	21	22	23	24	26	27	28	30	31	33	34	36	37	39	40	42	43	45
	silver fir	87	90	93	95	98	101	105	108	111	114	117	120	123	126	129	132	135	138	141	144	146	149	152	155	157	160
	larches	13	14	15	15	16	17	18	19	20	21	22	23	24	25	27	28	29	30	32	33	34	36	37	39	40	42
	mountain pines	1,608	1,655	1,703	1,734	1,781	1,826	1,877	1,924	1,973	2,010	2,057	2,098	2,135	2,179	2,222	2,263	2,304	2,343	2,381	2,418	2,454	2,489	2,523	2,557	2,589	2,621
	mediterranean pines	3,149	3,229	3,310	3,359	3,436	3,511	3,596	3,675	3,755	3,812	3,887	3,951	4,007	4,075	4,142	4,204	4,264	4,322	4,376	4,429	4,480	4,529	4,576	4,621	4,664	4,706
	other conifers	291	298	305	309	316	323	330	338	345	351	358	365	371	378	385	392	399	406	412	419	425	431	438	444	450	456
	european beech	1,958	1,983	2,010	2,017	2,042	2,067	2,098	2,126	2,156	2,174	2,201	2,224	2,244	2,271	2,298	2,323	2,349	2,373	2,397	2,421	2,444	2,468	2,490	2,512	2,534	2,556
	turkey oak	559	561	563	561	563	565	569	572	576	576	579	581	582	585	588	591	593	596	598	601	603	605	608	610	612	614
	other oaks	990	1,000	1,011	1,012	1,021	1,031	1,043	1,054	1,066	1,071	1,082	1,089	1,095	1,104	1,113	1,120	1,128	1,135	1,141	1,147	1,152	1,158	1,162	1,167	1,171	1,175
	other broadleaves	1,560	1,578	1,598	1,602	1,620	1,638	1,661	1,682	1,704	1,717	1,737	1,754	1,768	1,787	1,807	1,826	1,845	1,863	1,881	1,899	1,916	1,933	1,950	1,966	1,983	1,999
coppices	european beech	3,164	3,192	3,212	3,228	3,242	3,264	3,297	3,336	3,375	3,415	3,444	3,472	3,496	3,523	3,549	3,575	3,598	3,622	3,645	3,667	3,689	3,711	3,731	3,751	3,771	3,790
	sweet chestnut	11,974	12,450	12,897	13,334	13,760	14,222	14,737	15,281	15,830	16,388	16,903	17,413	17,908	18,416	18,921	19,421	19,911	20,400	20,885	21,364	21,838	22,307	22,769	23,226	23,676	24,120
	hornbeams	2,152	2,175	2,192	2,207	2,220	2,239	2,265	2,295	2,324	2,354	2,376	2,396	2,415	2,434	2,453	2,471	2,487	2,503	2,519	2,534	2,548	2,562	2,575	2,587	2,600	2,611
	other oaks	4,360	4,473	4,572	4,666	4,755	4,853	4,968	5,090	5,210	5,331	5,435	5,536	5,630	5,726	5,820	5,912	5,998	6,084	6,168	6,249	6,329	6,406	6,481	6,554	6,625	6,695
	turkey oak	5,912	5,945	5,963	5,977	5,986	6,011	6,057	6,113	6,169	6,227	6,266	6,301	6,331	6,366	6,399	6,431	6,459	6,488	6,516	6,543	6,568	6,593	6,617	6,640	6,663	6,684
	evergreen oaks	2,502	2,530	2,551	2,569	2,585	2,608	2,640	2,676	2,712	2,749	2,777	2,804	2,829	2,855	2,881	2,906	2,930	2,953	2,977	2,999	3,021	3,042	3,063	3,084	3,104	3,123
	other broadleaves	8,528	8,830	9,101	9,358	9,598	9,854	10,137	10,426	10,705	10,978	11,210	11,425	11,620	11,812	11,992	12,158	12,309	12,451	12,583	12,705	12,817	12,921	13,016	13,104	13,184	13,258
	conifers	820	845	867	888	908	931	957	984	1,012	1,040	1,065	1,090	1,113	1,138	1,162	1,186	1,209	1,232	1,255	1,278	1,300	1,322	1,344	1,365	1,386	1,407
plantations	eucaliptuses coppices	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	other broadleaves coppices	25	26	26	26	27	27	27	28	28	28	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29
	poplars stands	136	137	138	139	140	141	143	144	145	146	147	147	147	147	147	147	147	147	147	147	147	147	147	147	147	147
	other broadleaves stands	43	44	45	46	47	48	49	50	51	52	54	55	57	58	60	61	63	64	66	67	68	70	71	73	74	76
	conifers stands	32	33	35	36	38	40	42	43	45	47	50	52	54	56	58	61	63	65	67	69	71	73	75	77	79	81
	others	2,036	2,084	2,130	2,166	2,211	2,261	2,313	2,362	2,427	2,483	2,551	2,613	2,668	2,732	2,793	2,852	2,910	2,964	3,017	3,069	3,118	3,166	3,212	3,257	3,300	3,341
prote	rupicolous forest	1,932	1,998	2,066	2,121	2,191	2,260	2,329	2,397	2,466	2,522	2,591	2,654	2,712	2,779	2,845	2,909	2,972	3,034	3,094	3,153	3,211	3,268	3,324	3,378	3,431	3,484
	riparian forest	158	159	160	160	161	163	164	165	166	167	168	169	170	171	173	174	175	176	177	179	180	181	182	183	183	184
	total (kt C)	**54,002**	**55,344**	**56,576**	**57,644**	**58,779**	**60,016**	**61,440**	**62,907**	**64,392**	**65,795**	**67,128**	**68,387**	**69,552**	**70,800**	**72,023**	**73,203**	**74,339**	**75,452**	**76,538**	**77,597**	**78,628**	**79,634**	**80,614**	**81,569**	**82,499**	**83,405**

C stocks (kt C) in the aboveground and belowground biomass pools in the period 2010-2025

Trentino		2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025
inventory typology															kt C												
stands	norway spruce	7,424	7,423	7,406	7,367	7,360	7,339	7,301	7,273	7,251	7,222	7,210	7,199	7,187	7,176	7,165	7,155	7,144	7,134	7,124	7,115	7,105	7,096	7,087	7,078	7,069	7,061
	silver fir	1,903	1,902	1,897	1,887	1,885	1,879	1,869	1,862	1,856	1,849	1,845	1,842	1,839	1,836	1,833	1,830	1,828	1,825	1,822	1,820	1,817	1,815	1,812	1,810	1,808	1,805
	larches	4,172	4,182	4,183	4,171	4,177	4,174	4,162	4,156	4,153	4,145	4,147	4,149	4,151	4,153	4,155	4,157	4,159	4,161	4,162	4,164	4,166	4,168	4,169	4,171	4,173	4,174
	mountain pines	3,011	3,072	3,126	3,170	3,227	3,279	3,323	3,370	3,421	3,467	3,522	3,577	3,632	3,688	3,744	3,800	3,856	3,913	3,969	4,026	4,083	4,140	4,197	4,254	4,312	4,369
	mediterranean pines	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	other conifers	59	61	62	64	65	66	67	68	70	71	72	73	75	76	77	78	80	81	82	83	84	85	87	88	89	90
	european beech	230	233	236	238	241	243	245	247	250	252	254	257	259	262	264	267	269	272	274	276	279	281	283	286	288	290
	turkey oak	93	94	95	96	96	97	98	98	99	99	100	101	101	102	103	103	104	105	105	106	106	107	107	108	108	109
	other oaks	83	85	87	88	90	92	93	95	96	98	99	101	102	104	105	107	108	109	111	112	113	114	115	116	117	118
	other broadleaves	294	299	302	305	309	313	316	319	322	325	329	332	336	339	343	346	350	353	356	359	362	365	368	371	374	377
coppices	european beech	171	163	156	148	141	130	120	112	103	93	83	74	67	61	56	52	48	45	43	41	39	37	36	35	34	33
	sweet chestnut	100	100	100	98	97	94	90	87	84	79	74	70	66	63	61	58	56	55	53	52	51	50	49	48	48	47
	hornbeams	173	170	167	163	160	154	147	143	138	131	124	119	115	111	109	106	105	103	102	101	100	100	99	99	99	98
	other oaks	210	207	205	200	197	189	181	176	169	160	151	144	137	132	128	125	122	120	118	116	115	114	113	112	112	111
	turkey oak	65	63	61	59	57	54	51	49	47	44	41	39	37	35	34	33	32	32	31	31	30	30	30	30	30	29
	evergreen oaks	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	other broadleaves	674	671	672	661	658	637	611	597	575	545	514	488	466	448	432	419	408	399	392	385	380	375	371	368	365	363
	conifers	231	224	219	210	204	193	181	173	162	150	137	125	116	107	100	94	89	84	80	76	73	71	68	66	64	63
plantations	eucaliptuses coppices	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	other broadleaves coppices	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	poplars stands	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	other broadleaves stands	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	conifers stands	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	others	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
protec	rupicolous forest	1,212	1,228	1,244	1,261	1,277	1,293	1,310	1,327	1,344	1,361	1,378	1,395	1,412	1,429	1,446	1,462	1,479	1,495	1,511	1,527	1,543	1,559	1,575	1,590	1,605	1,620
	riparian forest	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	total (kt C)	**20,107**	**20,177**	**20,219**	**20,184**	**20,243**	**20,228**	**20,165**	**20,151**	**20,139**	**20,089**	**20,080**	**20,085**	**20,100**	**20,124**	**20,156**	**20,194**	**20,237**	**20,285**	**20,336**	**20,391**	**20,448**	**20,507**	**20,568**	**20,630**	**20,694**	**20,758**

C stocks (kt C) in the aboveground and belowground biomass pools in the period 2010-2025

Umbria		2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025
inventory typology															kt C												
stands	norway spruce	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	silver fir	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	larches	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	mountain pines	954	987	1,026	1,062	1,100	1,133	1,169	1,204	1,242	1,281	1,316	1,351	1,368	1,403	1,437	1,471	1,505	1,537	1,568	1,599	1,628	1,658	1,686	1,714	1,741	1,768
	mediterranean pines	693	713	739	762	785	806	828	850	873	897	919	939	947	968	988	1,008	1,027	1,044	1,062	1,078	1,094	1,110	1,125	1,139	1,153	1,166
	other conifers	48	50	51	53	54	56	57	59	61	62	64	66	66	68	70	71	73	74	76	77	79	80	82	83	85	86
	european beech	594	604	618	630	644	655	667	680	694	708	721	734	737	751	764	777	790	803	815	827	839	851	863	875	886	898
	turkey oak	147	148	150	151	153	155	156	158	160	162	164	165	165	167	168	170	172	174	175	177	178	180	181	183	184	185
	other oaks	302	307	314	319	326	330	336	341	347	354	359	364	364	369	374	379	383	387	391	395	398	401	404	407	410	413
	other broadleaves	56	57	58	60	61	62	63	64	65	66	67	69	69	70	71	72	73	74	75	76	77	79	80	81	82	83
coppices	european beech	433	424	417	396	383	368	356	332	320	311	302	293	285	279	272	267	262	257	252	248	245	241	238	236	233	231
	sweet chestnut	265	268	272	266	264	260	258	247	242	240	238	236	234	232	230	229	227	226	224	223	222	221	219	218	217	216
	hornbeams	742	737	735	708	695	678	667	633	620	613	607	601	595	591	587	584	581	578	576	574	572	570	569	567	566	565
	other oaks	2,648	2,674	2,709	2,649	2,639	2,609	2,600	2,506	2,486	2,489	2,495	2,499	2,497	2,502	2,506	2,509	2,513	2,514	2,516	2,518	2,519	2,520	2,521	2,522	2,522	2,523
	turkey oak	1,240	1,215	1,198	1,140	1,105	1,065	1,035	971	939	918	898	879	860	846	833	821	810	801	792	784	777	770	765	759	755	750
	evergreen oaks	820	805	795	757	734	707	687	644	621	606	591	578	564	553	543	534	525	518	511	504	498	493	488	484	480	476
	other broadleaves	1,036	1,056	1,079	1,062	1,063	1,055	1,054	1,016	1,006	1,005	1,005	1,004	1,002	1,002	1,002	1,002	1,002	1,002	1,002	1,001	1,001	1,001	1,001	1,001	1,001	1,001
	conifers	88	88	89	86	85	83	82	78	76	75	73	72	71	70	69	69	68	67	66	66	65	65	64	64	63	63
plantations	eucaliptuses coppices	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	other broadleaves coppices	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	poplars stands	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	other broadleaves stands	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	conifers stands	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	others	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
protec	rupicolous forest	646	668	691	713	736	758	780	802	824	846	868	890	899	921	943	964	984	1,004	1,024	1,043	1,061	1,080	1,097	1,115	1,132	1,148
	riparian forest	117	118	120	121	122	123	124	125	126	127	128	129	129	130	131	132	133	134	135	136	137	138	139	140	140	141
	total (kt C)	**10,829**	**10,920**	**11,062**	**10,934**	**10,950**	**10,903**	**10,920**	**10,708**	**10,701**	**10,761**	**10,816**	**10,870**	**10,853**	**10,920**	**10,989**	**11,057**	**11,128**	**11,194**	**11,260**	**11,326**	**11,392**	**11,458**	**11,523**	**11,587**	**11,651**	**11,714**

C stocks (kt C) in the aboveground and belowground biomass pools in the period 2010-2025

Valle_D_Aosta		2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025
inventory typology															kt C												
stands	norway spruce	709	719	728	737	747	755	765	775	785	796	806	817	827	837	847	858	867	877	887	897	906	916	925	935	944	953
	silver fir	87	88	89	90	91	92	93	95	96	97	98	99	100	102	103	104	105	106	107	108	110	111	112	113	114	115
	larches	1,921	1,953	1,986	2,014	2,047	2,074	2,107	2,141	2,175	2,210	2,244	2,278	2,312	2,346	2,380	2,413	2,446	2,479	2,512	2,544	2,575	2,607	2,638	2,669	2,699	2,729
	mountain pines	1,052	1,088	1,125	1,160	1,199	1,236	1,276	1,318	1,362	1,406	1,452	1,498	1,545	1,593	1,643	1,693	1,744	1,795	1,848	1,902	1,956	2,012	2,068	2,125	2,183	2,242
	mediterranean pines	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	other conifers	57	59	61	64	66	68	70	73	75	77	80	82	85	87	90	92	94	97	99	102	104	106	109	111	114	116
	european beech	235	240	245	249	253	258	262	267	272	277	282	287	292	297	302	307	312	317	322	327	332	336	341	346	351	355
	turkey oak	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	other oaks	75	77	78	80	82	83	85	86	88	89	91	92	93	95	96	97	98	99	100	101	102	102	103	104	104	105
	other broadleaves	385	394	403	411	420	428	437	447	456	465	475	484	494	503	512	522	531	540	549	558	567	576	585	594	603	611
coppices	european beech	74	75	77	78	80	81	83	85	87	89	91	93	95	98	100	102	104	106	108	110	111	113	115	116	117	118
	sweet chestnut	275	285	295	303	313	323	333	344	354	364	374	383	393	402	411	420	428	437	445	453	460	468	475	482	489	495
	hornbeams	42	42	43	43	43	43	44	44	45	45	45	46	46	46	47	47	47	47	48	48	48	48	49	49	49	49
	other oaks	58	59	60	61	62	63	64	65	66	68	69	70	71	72	73	74	75	76	77	78	79	79	80	81	82	83
	turkey oak	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	evergreen oaks	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	other broadleaves	116	119	123	125	128	131	134	138	141	143	146	148	151	153	155	157	158	160	161	163	164	165	166	167	168	169
	conifers	79	81	83	84	86	88	91	93	95	97	99	101	103	106	108	110	112	114	116	118	120	122	124	125	127	129
plantations	eucaliptuses coppices	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	other broadleaves coppices	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	poplars stands	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	other broadleaves stands	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	conifers stands	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	others	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
protec	rupicolous forest	311	315	319	323	328	331	336	340	345	350	355	359	364	369	373	378	383	387	392	396	401	405	410	414	419	423
	riparian forest	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	total (kt C)	**5,476**	**5,595**	**5,715**	**5,821**	**5,945**	**6,055**	**6,180**	**6,311**	**6,443**	**6,574**	**6,707**	**6,839**	**6,972**	**7,105**	**7,239**	**7,372**	**7,505**	**7,638**	**7,770**	**7,903**	**8,035**	**8,168**	**8,300**	**8,431**	**8,563**	**8,694**

C stocks (kt C) in the aboveground and belowground biomass pools in the period 2010-2025

Veneto		2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025
inventory typology															kt C												
stands	norway spruce	6,824	6,874	6,933	6,991	7,064	7,122	7,183	7,232	7,227	7,282	7,337	7,384	7,437	7,490	7,543	7,594	7,646	7,696	7,745	7,794	7,841	7,889	7,935	7,981	8,026	8,071
	silver fir	374	377	380	383	386	389	392	395	394	397	400	402	405	407	410	413	415	418	420	423	425	427	430	432	434	436
	larches	1,278	1,291	1,305	1,319	1,335	1,349	1,364	1,376	1,378	1,391	1,405	1,416	1,429	1,442	1,455	1,467	1,480	1,492	1,504	1,516	1,528	1,539	1,550	1,562	1,573	1,583
	mountain pines	554	570	586	602	620	637	654	670	682	700	718	735	753	772	791	810	829	849	868	888	908	929	949	970	991	1,012
	mediterranean pines	112	116	120	124	129	133	137	141	143	147	151	154	158	161	164	168	171	174	177	180	182	185	187	190	192	194
	other conifers	199	205	211	217	224	230	237	242	246	253	259	264	270	276	282	288	294	300	306	311	317	323	328	334	339	344
	european beech	994	1,008	1,023	1,039	1,056	1,071	1,087	1,101	1,106	1,121	1,136	1,150	1,164	1,179	1,193	1,208	1,222	1,236	1,250	1,264	1,277	1,291	1,304	1,317	1,331	1,344
	turkey oak	214	216	219	221	224	226	228	230	230	233	235	237	239	241	243	245	247	249	250	252	254	256	258	259	261	263
	other oaks	162	165	168	171	174	178	181	183	185	187	190	192	195	197	199	201	203	205	207	209	210	212	213	214	215	217
	other broadleaves	477	486	495	505	515	524	534	543	547	556	565	574	583	592	600	609	618	626	635	643	651	659	667	675	683	691
coppices	european beech	2,094	2,123	2,178	2,238	2,284	2,337	2,382	2,446	2,500	2,567	2,622	2,675	2,730	2,785	2,840	2,894	2,949	3,003	3,058	3,111	3,165	3,219	3,272	3,325	3,377	3,430
	sweet chestnut	659	681	710	741	768	796	822	853	881	913	940	966	992	1,017	1,042	1,066	1,090	1,113	1,135	1,157	1,178	1,198	1,218	1,237	1,255	1,273
	hornbeams	1,162	1,163	1,178	1,195	1,205	1,218	1,228	1,246	1,259	1,278	1,290	1,301	1,312	1,322	1,333	1,342	1,352	1,360	1,369	1,377	1,385	1,392	1,399	1,406	1,413	1,419
	other oaks	271	274	281	288	293	298	303	310	316	323	328	333	338	343	348	353	357	361	366	370	374	378	382	385	389	392
	turkey oak	190	189	191	194	195	197	198	200	202	205	206	208	209	211	212	213	215	216	217	218	219	220	221	222	223	224
	evergreen oaks	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	other broadleaves	2,519	2,582	2,674	2,771	2,848	2,931	3,003	3,095	3,170	3,258	3,328	3,392	3,454	3,512	3,567	3,618	3,665	3,709	3,750	3,788	3,823	3,855	3,885	3,913	3,938	3,961
	conifers	241	244	251	258	263	269	274	281	287	295	301	307	312	318	324	329	335	340	346	351	356	361	366	371	376	381
plantations	eucaliptuses coppices	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	other broadleaves coppices	2	2	2	2	2	2	2	2	2	2	2	2	3	3	3	3	3	3	3	3	3	3	3	3	3	3
	poplars stands	363	380	395	421	445	467	487	505	520	534	547	557	566	574	580	585	590	593	596	599	601	603	604	605	606	607
	other broadleaves stands	1	1	1	1	1	2	2	2	2	2	2	2	2	2	2	2	2	2	2	3	3	3	3	3	3	3
	conifers stands	2	2	2	2	2	3	3	3	3	3	3	4	4	4	4	4	5	5	5	5	5	6	6	6	6	6
	others	125	129	132	139	147	154	162	169	176	184	191	198	205	212	218	225	231	238	244	249	255	261	266	271	276	281
protec	rupicolous forest	734	746	758	771	784	797	810	823	836	849	862	874	886	899	911	924	936	948	959	971	982	994	1,005	1,016	1,026	1,037
	riparian forest	1,365	1,376	1,386	1,397	1,409	1,421	1,433	1,445	1,457	1,469	1,481	1,491	1,502	1,513	1,524	1,535	1,546	1,556	1,566	1,576	1,586	1,595	1,605	1,614	1,623	1,631
	total (kt C)	**20,917**	**21,200**	**21,578**	**21,991**	**22,374**	**22,751**	**23,104**	**23,494**	**23,749**	**24,147**	**24,497**	**24,818**	**25,147**	**25,473**	**25,790**	**26,097**	**26,399**	**26,692**	**26,977**	**27,256**	**27,529**	**27,795**	**28,056**	**28,311**	**28,560**	**28,804**

C stocks (kt C) in the aboveground and belowground biomass pools in the period 2010-2025

Appendix V

Following the submission of the NFAPs and in accordance with Article 8(6) of the LULUCF Regulation, the Commission, in consultation with experts appointed by the Member States, stakeholders and the civil society, undertook a technical assessment of the NFAPs. The Commission has formulated the following technical recommendations on the submitted Italian NFAP. This appendix contains responses to the received recommendations.

Technical recommendations		MS response	Chapter/section in the NFAP
Article 8(5) Principles	1) Demonstrate how dynamic age-related forest characteristics have been taken into account and revise the FRL, if applicable. Specifically, demonstrate the linkage between biomass density and age-class distribution. Provide additional information on forest management practices, including rotation length and thinning intensity and demonstrate how these have been taken into account.	The FRL has been estimated using the *for-est* model; the model estimates the annual growing stock per hectare, adding to the final growing stock volume of the previous year the increment calculated for the current year and subtracting the losses occurred in the year as due to harvest, fires and mortality. Information related to rotation length and thinning intensity have not been explicitly taken into account. Additional information are provided in the relevant section of NFAP	Chapter 3, paragraph 3.3. Appendix A, B, I, II, III, IV
Annex IV, Section A Criteria	a) Demonstrate how the goal of achieving a balance between anthropogenic emissions and removals will be achieved in the second half of the century. Provide qualitative and quantitative information until at least 2050 consistent with the long-term strategy required under Regulation (EU) 2018/1999.	Addressed. The requested information has been included in NFAP.	Chapter 1, paragraph 1.2, criterion (a)
	f) Provide additional information on existing biodiversity goals and strategies, including on protected areas and endangered endemic species.	Addressed. The relevant information and references are included in NFAP.	Chapter 1, paragraph 1.2, criterion (f)
	g) Demonstrate the consistency with the national projections of anthropogenic greenhouse gas emissions reported under Regulation (EU) No 525/2013. Provide explanations for possible differences between national projections and the proposed FRL.	Addressed. The requested information has been included in NFAP.	Chapter 1, paragraph 1.2, criterion (g)
	h) Estimate the FRL based on the area under forest management as indicated in Annex IV, Section B (e) i. Estimate the FRL based on carbon pools and greenhouse gases as indicated in Annex IV, Section B (b).	Addressed. The FRL has been assessed on the area under forest management and on carbon pools and GHG gases, as indicated in Annex IV, Section B (e) i, and Annex IV, Section B (b).	NFAP
Annex IV, Section B Elements	b) Include the carbon pools and greenhouse gases consistent with those applied in the latest national GHG inventory.	Addressed. The FRL includes the same carbon pools and GHG gases applied in the national GHG inventory.	NFAP
	e) i Provide the area under forest management consistent with Table 4.A ("Forest land remaining Forest land") from the latest national	Addressed. The area under forest management	NFAP

Technical recommendations	MS response	Chapter/section in the NFAP
GHG inventory using the year preceding the starting point of the projection.	has been provided consistently with the forest land remaining forest land area reported in the CRT table 4.A (submission year 2018, reporting year 2009)	
e) ii Include a description of imports and exports in the HWP pool and apply changes to the FRL, if applicable. Assure consistency for carbon stock change in living biomass derived from table 6 and final FRL estimates. Correct editorial mistakes in table 7, 36 and 37 of the NFAP. Provide national totals and units in tables of NFAP.	Addressed. The time series of HWP, produced, imported and exported, has been included. No changes affected the FRL, since the same data has been used. Editorial mistakes have been fixed. The national totals, as well as the regional ones, have been added in each reported table.	Chapter 4, paragraph 4.1., table 36 NFAP tables
e) iii Provide information on age-class structure and additional information on rotation length.	Not applicable	