

- Forest managers, public administrations, and research institutions wishing to take more efficient strategic decisions can directly benefit from MySustainableForest products.
- Remotely sensed data provides low cost and regular forest information for timely silvicultural activities.
- Estimating the economic evolution of forest resources is a key information for strategic forest management planning.
- The *Monetary Wood Account* product records the economic value of timber resources and their changes in a given area over an accounting period. This accounting product is based on the United Nations' System of Environmental-Economic Accounting (SEEA) framework.



The product in a nutshell

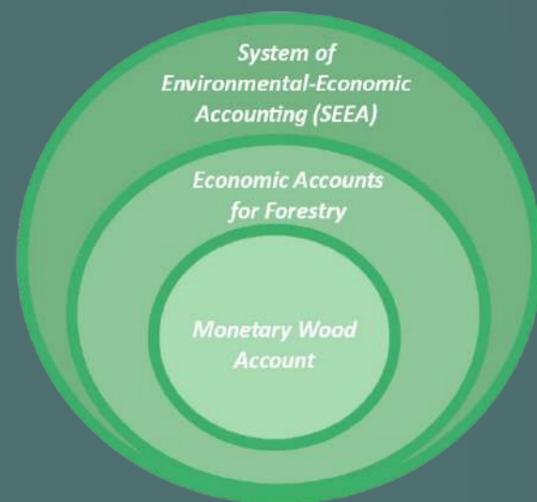
With the *Monetary Wood Account* product you can:

- Estimate how timber resources change their economic value across different years.
- Improve long-term strategic planning of forest resources at regional or national level.
- Monitor and showcase your forest resources according to international standardized environmental accounting framework, contributing to national account reporting.

The challenge

Knowing the evolution of forest resources constitutes a key environmental information for making strategic and operational decisions on resource use and conservation. However, environmental accounting approaches applied to forest resources are only partially implemented by regions and countries due to limited expertise or lack of regular and reliable information on the forest stocks and flows.

To date, environmental accounting information on forests is primarily obtained through national or regional forest inventories. In most countries, this process is costly and time-consuming. Regular and standardized information on forests are essential data for policy-makers willing to increase the quality of natural resources reporting. Moreover, international policy processes such as the Green Deal prompt countries to follow Environmental Accounting frameworks.



MySustainableForest solution

MySustainableForest (MSF) is a geo-information portfolio of products aiming to support silvicultural activities and sustainable forest management. The products are based on satellite data, LiDAR and sonic non-invasive measurements.

The *Monetary Wood Account* product records the economic value of timber resources and their changes of a given area over an accounting period. In particular, it provides a fixed picture (measured in euros) of the opening and closing stock of timber resources over a period, and the variations recorded during those years. This product makes use of LiDAR and satellite MSF input data.

The output of this product is a statistical summary of the economic evolution of forest resources between two reference years. This output follows the methodology of the System of satellite accounts for Environmental and Economic Accounting (SEEA) developed by the United Nations.

What do I need to provide?

The MSF-branded *Monetary Wood Account* product is currently automatized for *Pinus sylvestris* stands in Eastern Navarre (Spain), but can be adapted to other forest types. The user has to provide only the geo-location of the **Area of Interest (AOI)**, through coordinates or a GIS vector layer.

To estimate the economic values of forest resources, the MSF platform will make use of other products such as: *Forest Mask, Main Forest Types, Forest Age, Volume, Stand height, Site Index, Burnt Scars, Clearcuts* and *DEM* maps. Additionally, the platform will make use of available wood prices data. If the user wishes to develop the product outside the current trial area and species, wood prices will need to be provided and inputted directly to the platform.



What will I obtain?

The *Monetary Wood Account* product will provide you a classification of *Pinus sylvestris* stands in your AOI into economic classes in euro. This classification is provided both as a table (excel or txt. output), as well as a map.

The classification files are accessible through the [MySustainableForest platform](https://mysustainableforest.com). The information can be downloaded to any OGC standard GIS viewer with a Web Map Service. Product files are metadated.

Full technical specifications are available at [MySustainableForest website](https://mysustainableforest.com).

Image 1 (left). Forest estate in Navarre, Spain, for wood supplying.

Image 2 (below). Wood Monetary Account product overview. Sample mapping of Valle del Roncal, Navarre, Spain.

