

Project partners



SLOVENIA
Slovenian forestry institute



SWEDEN
Swedish University of Agricultural Sciences



SPAIN
Forest Science and Technology Centre of Catalonia



LATVIA
Foundation Centre for Support of Forest Owner Cooperation



ESTONIA
Estonian Private Forest Centre

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Erasmus+ Programme
of the European Union



Network of knowledge for efficient private forests

The pathway for efficient operations in private forests

In Estonia the total area of forest land is 2.3 million ha, about half (48 %) of it is private. Mostly growing trees are pines (31%), birches (29%) and spruces (19%). The average size of a private forest property is 10.7 ha.

Forests in Latvia cover 3.4 million ha of land. The amount of forestland is expanding, both naturally and thanks to afforestation of unused agricultural land. Due to high demand for agricultural land by productive farms, over last few years, afforestation has noticeably slowed down.

Forests in Slovenia cover 1.2 million ha of forests cover, 58% of total country's area. 76% of forests are private, 24% of forests are from state or communities. Private forest estates are small, with an average area of only 2.9 ha.

The total surface of forests in Catalonia, Spain is 1.35 million ha. The forestry landscape corresponds to a mosaic type of distribution between agriculture and forestry - better wildfire prevention and improves the biodiversity conservation. Only the 25% of the forest is public.

In Sweden, 28.3 million ha (69% of Sweden's total area) are classified as forestland. Private forest owners own half of this land. 22% of Sweden's productive forestland is younger than 20 years, 40% is 20-60 years old, and about 33% of the forests have reached the lowest legal age for final felling.



01: handbook

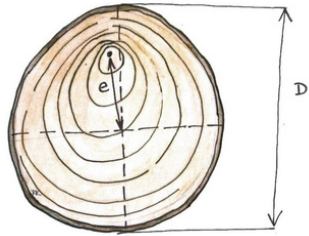


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SLOVENIA

Online tool for quality classification of round-wood
net4forest.gozdis.si



The online tool for quality classification of round-wood is intended for all users who want to conveniently determine the quality of round-wood and at the same time gain knowledge about the evaluation of round-wood assortments.



SPAIN

Forestry Management Joint Plan managing tool
<https://www.gozdis.si/f/docs/projekti/Toolkit-PTGMFc-CTFC.pdf>

Brief tool to set and apply for a FMJP which are funded by the Catalan Government and conducted by the Catalan Forestry Ownership, aiming at implementing jointly actions beyond private land limits to low profitability forest. Fire prevention and forestry management techniques need to be aligned with orography, type of forest, accesses and uses for an entire region beyond property limits. These plans help owners to manage their forests wisely against threats by saving management expenses at the same time.



SWEDEN

Calculation model for a forest vehicle's average ground pressure
www.slu.se/institutioner/skogsmastarskolan/forskning/net4forest/



This calculation model for a forest vehicle's average ground pressure is based on rough assumptions, but is nevertheless a useful tool for gaining insight into a forest vehicle's impact on the ground. The model calculates the ground pressure separately for the front and rear section of a vehicle. This calculation tool is designed for forwarders, but can also be applied sensibly to other forest vehicles.



LATVIA

Felling value calculation model
www.mezsaimnieks.lv/jaunumi/erasmus-projekts-network-of-knowledge-for-efficient-private-forests/

To help forest owners make decisions about starting economic activity on their properties, they have developed a simplified felling value calculation model. In it, the plot number, area, stock per hectare and its distribution by tree species must be entered as input data from the plot description. In addition, in the model must be entered the percentage distribution of the stock by assortments (according to the visual assessment in nature), the price of delivered assortments (at the buyer), sawing, delivery and average export costs (timber truck service).



ESTONIA

Tutorial videos about using drones and miniharvesters in forestry
Videos are in Estonian language with English subtitles.



Miniharvesters
youtu.be/_DOo1uFD9I8

Drones
youtu.be/6TbpZhY1K8g

GOOD PRACTICE EXAMPLES

In this project, we prepared several interesting examples in optimization of forest operations, including:

- Fully mechanized thinning in small diameter stands
- Joint sale of wood
- Mechanized Direct Seeding
- Co-operation of Forest-owners ...

All good practice examples are available here:
www.gozdis.si/projekti/net4forest

