

Challenge

To increase production and environmental efficiency in the forest sector through digitalisation, improved information flow and transformation of machine-captured data into business intelligence.



Solution

The **TECH4EFFECT forestry efficiency portal SILVISMART** uses data from forest operations and transforms it into business intelligence and decision-making support. SILVISMART is available throughout the world and has national contact points and local adaptations (national portals) in several countries. Please refer to our website at www.silvismart.eu.

Partners



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A EUROPEAN INNOVATION BY **TECH4EFFECT**

KNOWLEDGE AND TECHNOLOGIES FOR
EFFECTIVE WOOD PROCUREMENT

Approach

SILVISMART is a 'one-stop-shop' forestry efficiency portal. It uses digitalised dataflows from forestry operations and transforms machine-captured data into business intelligence.

SILVISMART is a central hub in the digitalisation of the forest sector and allows for sharing of data and information between the different actors in the value chain.

SILVISMART ensures that contractors, forest managers and forest owners all get access to the data they need for increasing efficiency.

SILVISMART is a cloud-based service available worldwide on your computer or cell phone.



Who is it for?

The SILVISMART portal will allow

- machine owners (contractors),
- forest owners, managers & consultants,
- machine operators,
- researchers, and
- forest officials

to analyse their operations' performance and create productivity figures.



The forestry efficiency portal

How does it work?

StanForD data or data captured with the T4E Mapping App is automatically transferred from the forestry machines to SILVISMART.

SILVISMART then analyses and visualises the data and results are returned via the different interfaces.

The contractors that submit data to SILVISMART have the ability to see all their data as well as give access to the actual forest information (e.g. tree species, assortments, locations) to forest owners and managers while ensuring performance data and personal data is kept as internal company information.



Benefits

- **Works with all types of machines that captures StandforD or utilise the T4E Mapping App**
- **Allows for sharing of data between actors in the value chain**
- **Ensures that personal data, performance data and forest data is separated and securely handled**

The interfaces



My fleet

Machine owners (contractors) receive standardised data from different machine brands for easier comparison of the whole fleet



My operation

Machine owners receive data on a specific stand for easier invoicing



My stand (forest)

Forest owners receive data on a single stand (forest) to summarise volumes, species distributions and assortments



My files

Available to all users for easy access to their raw data, administrating and processing