CFHarvest (WoodForce) | Forestry software for loggers, forest contractors and forest companies



CFharvest (WoodForce) is planning- and steering system for harvesting and silviculture to optimize and strengthen the supply chains of forestry. Forestry company delivers all the contracts the WoodForce-system according to the need of raw material. The contractor selects the contracts and the locations he will perform. Forest companies have decreased harvesting and average costs in Silviculture or Regeneration job types. There has been increasing productivity in the supply chain of stem wood and energy wood. Also increasing productivity in field operations in Forestry like Silviculture Harvesting Forest Services. Contractors have the ability to manage their own forestry services and receive the full benefit of all resources. Possibility to operate for multiple forest companies is important. In addition, there is less manual reporting and worksite navigation is easier. CFharvest supports a changing trend where progressive companies now contract for several forest companies and do the planning with one system. Since the contractor understands local conditions best, forest harvesting operations become more efficient: the contractor has direct control over work plans and scheduling his own fleet of harvesters and trucks.

DETAILS

ORIGIN OF WOOD
Forest

TYPE OF WOOD
Stemwood

KIND OF WOOD CONCERNED
Stemwood, Above and below ground woody biomass

IMPACT ON ENVIRONMENT & BIODIVERSITY
Medium

INCOME EFFECT
Positive

EXPLOITATION POTENTIAL
--

HUB
Northern Hub

ECONOMIC IMPACT
Positive/ Less costs of harvesting

SPECIFIC KNOWLEDGE NEEDED
Digital expertise combined to forestry expertise

MOBILIZATION POTENTIAL
Not possible to assess

SUSTAINABILITY POTENTIAL - VALUE
--

EASE OF IMPLEMENTATION
Easy

EASE OF IMPLEMENTATION - EVALUATION
--

KEY PREREQUISITES
Good communication is needed with all stakeholders

TYPE OF EVENT WHERE THIS BPI HAS BEEN FEATURED
--

JOB EFFECT
Positive

COSTS OF IMPLEMENTATION (EURO - €)
--

MORE DETAILS

CHALLENGE ADDRESSED

5.- Enhance economic and environmental performance of forest supply chains

KEYWORDS

--

COUNTRY OF ORIGIN

Finland

DOMAIN

Forest management, ecosystem, resilience

Harvesting, infrastructure, logistics

DIGITAL SOLUTION

Yes

SCALE OF APPLICATION

Continental

TYPE OF SOLUTION

Collaboration platforms, logistical hubs

INNOVATION

Yes

START AND END YEAR

--

CONTACT DATA

OWNER OR AUTHOR

Trimble Forestry

woodforce@trimble.com

https://forestry.trimble.com/

REPORTER

REFERENCES AND RESOURCES

MAIN WEBSITE

https://www.woodforce.fi/en/

PROJECT WEBSITE

https://forestry.trimble.com/solutions/cfharvest/

PROJECT REFERENCE

--

RESOURCES

Trimble Forestry's WoodForce - the solution for smarter wood harvesting

LOGO OF BEST PRACTICE

LOGO OF MAIN ORGANIZATION

WoodForce

PROJECT UNDER WHICH THIS FACTSHEET HAS BEEN CREATED

Rosewood

POST DATE

17 Sep 2019

This project has received funding from the European Union's Horizon 2020 research and innovation programme under grant agreement No. 862681

A TOOL FROM ROSEWOOD 4.0, DESIGNED AND DEVELOPED BY

cesefor
Centro de Servicios y Promoción Forestal y de su Industria de Castilla y León