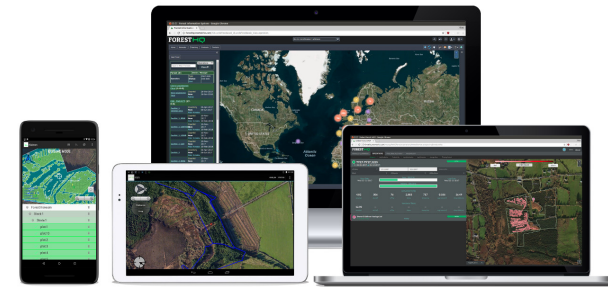# ForestHQ | Online system to manage land, inventories and operations

ForestHQ

ForestHQ is an innovative system supporting the management of forest operations and processes. This system includes tools for land management, data collection, data analysis, timber valuation, and activities management.

ForestHQ facilitates the management of forest operations and processes. This platform adds value to the data and improves the access and sharing of information. ForestHQ includes different key modules:

- **Forest inventory, valuation, and carbon MRV.** This module includes mobile apps for field data collection, models, and analytics to quantify timber products and carbon.
  - Rapid measurement with the Arboreal app (iOS) or traditional measurement tools.
  - Simple and automated analytics, carbon estimation, and forest valuation
  - Online mapping of inventories with location-based metrics
  - Online reporting including, timber product breakdown, digital maps, and valuation reports
  - Compatible with ForestBidder Online Marketplace
- **Remote harvesting monitoring.** This module includes a connection with harvester machines for remote monitoring of the harvesting operations. This tool increases the control of the operations and significantly reduces costs and field visits.
  - Manage harvesting contractors
  - Track harvest progress remotely
  - Monitor log product optimisation performance
  - Harvester products and stem locations for granular information and visual maps
  - HarvestSync App (android) for onboard data collection with auto-syncing
- **Land management.** ForestHQ makes it easy to manage your forest properties and activities. This is a collaborative platform that facilities the visibility

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of data and communications.

- Manage forest properties and client database
- Easily map forest sub-compartments online
- Plan and manage forest operations and activities
- Manage and track documents, felling licenses, permits, and grants
- Assign and share documents and tasks
- Integrate with your existing systems

Further modules will include tools for forest certification, carbon sequestration projects, and forest management plans.

ForestHQ can be customised and adapted to the different user needs, with simple user interfaces it is an ideal solution for forest owners, small and large organisations

DETAILS

ORIGIN OF WOOD

Forest

TYPE OF WOOD

Stemwood

KIND OF WOOD CONCERNED

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IMPACT ON ENVIRONMENT & BIODIVERSITY

ForestHQ has a significant impact on the digitalisation of the forest industry. This system makes digitalisation more accessible to small and medium size forest owners and organisations. According to a study performed by UNECE, in terms of numbers of private forest owners as well as distributions of size classes, small-scale land holdings prevail in European forests. These forest owners are not only important in numbers or a large amount of forest that they manage, but also play an important role in rural communities, sustaining local economies and traditional and sustainable forest management methods.

Despite the effort that small forest owners are putting into sustainable forest management. The level of sustainable forest management that can be verified in the private forest need to improve. For the private forest sector, with the exception of Austria and Finland, the certification level is still rather low or even non-existent in some countries.

ForestHQ is a game-changer to bring private owners and organizations to

MOBILIZATION POTENTIAL

Using ForestHQ harvesting module the customer can mobilise up to 20% more of quality timber by a better optimisation of the harvesting.

SUSTAINABILITY POTENTIAL - VALUE

Very Positive

EASE OF IMPLEMENTATION

ForestHQ is mainly an online system that does not require implementation in the client side.

EASE OF IMPLEMENTATION - EVALUATION

Very Easy

effective and variable forest management providing them with digitalisation.

INCOME EFFECT

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KEY PREREQUISITES

There are no specific prerequisites to use ForestHQ

EXPLOITATION POTENTIAL

This system is targeting forest owners and forest management organisations worldwide.

TYPE OF EVENT WHERE THIS BPI HAS BEEN FEATURED

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HUB

--

JOB EFFECT

--

ECONOMIC IMPACT

--

COSTS OF IMPLEMENTATION (EURO - €)

0

SPECIFIC KNOWLEDGE NEEDED

There is no specific knowledge required to use ForestHQ

MORE DETAILS

CHALLENGE ADDRESSED

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

DOMAIN

Inventory, monitoring

Forest management, ecosystem, resilience

Harvesting, infrastructure, logistics

TYPE OF SOLUTION

Data platforms, data hubs

KEYWORDS

Inventory; Monitoring; Forest management; Operations

mobile app; web app

DIGITAL SOLUTION

Yes

INNOVATION

Yes

COUNTRY OF ORIGIN

Ireland

SCALE OF APPLICATION

Cross-border/multi-lateral (several countries)

START AND END YEAR

2015 -

CONTACT DATA

OWNER OR AUTHOR

Treemetrics

Enda Keane

ekeane@treemetrics.com

www.treemetrics.com

REPORTER

Treemetrics

Alex Poveda

jpoveda@treemetrics.com

REFERENCES AND RESOURCES

MAIN WEBSITE

http://www.treemetrics.com

PROJECT WEBSITE

https://www.treemetrics.com/about/projects

PROJECT REFERENCE

ForestHQ

RESOURCES

Forest Bidder

FOREST HQ

A cloud based forest management platform that offers full, realtime, centralised visibility and communications for all essential forestry processes

TREEMETRICS

PROJECT UNDER WHICH THIS FACTSHEET HAS BEEN CREATED

Rosewood 4.0

POST DATE

14 Dec 2021

ROSE WOOD 4.0 Sustainable Wood for Europe

Link to Rosewood 4.0

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

EFI