TRESTIMA | Forest Inventory System



TRESTIMA® is a new and innovative technology for forest inventory. Forest is measured by taking pictures with a mobile application. It automatically recognizes tree species and calculates forest variables, e.g. basal area, stem count, height, volume.

TRESTIMA® Forest Inventory System adds accuracy, speed, flexibility and objectivity to forest measurement. You can store different types of GPS-tagged data in the forest and later review your recordings with a computer or mobile device. Using TRESTIMA® is easy. Take a walk in the forest and at the same time create an accurate measurement of the forest by taking pictures with the mobile phone application. You can upload or draw forest compartments prior going to the forest after which you can see your own position and compartment borders in the screen. This makes navigation easy and you just have to shoot pictures evenly while you go. Measuring forests is easy, effective, objective and even fun! Measuring one forest hectare takes on average less than 5 minutes.

TRESTIMA® offers services for different users. Forest Managers can collect forest data by taking pictures and inputting with the mobile application designed for the purpose. Forest Owners are able to measure the value of their forest with TRESTIMA®-application. Wood buyers can measure forest to be cut fast and with ease to make an ad hoc offer and Realtors make a detailed and accurate estimate of the estate value and share it in a digital format with ease.

Government officials may record GPS-tagged data in the field and measure growing timber. In addition, Mill gates and Terminals can measure piles of timber and pulpwood fast and accurately with TRESTIMA® Stack -application.

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DETAILS	
ORIGIN OF WOOD	MOBILIZATION POTENTIAL
TYPE OF WOOD	SUSTAINABILITY POTENTIAL - VALUE
KIND OF WOOD CONCERNED	EASE OF IMPLEMENTATION
IMPACT ON ENVIRONMENT & BIODIVERSITY	EASE OF IMPLEMENTATION - EVALUATION
INCOME EFFECT	KEY PREREQUISITES
EXPLOITATION POTENTIAL	TYPE OF EVENT WHERE THIS BPI HAS BEEN FEATURED
HUB Northern Hub	JOB EFFECT
ECONOMIC IMPACT	COSTS OF IMPLEMENTATION (EURO - €)
SPECIFIC KNOWLEDGE NEEDED	

MORE DETAILS _____

CHALLENGE ADDRESSED

DOMAIN

TYPE OF SOLUTION

5.- Enhance economic and environmental

Inventory, monitoring

Sensors, measurement equipment

performance of forest supply chains

DIGITAL SOLUTION

INNOVATION

monitoring; web app; mobile app; forest

Yes

Yes

management plan;
COUNTRY OF ORIGIN

KEYWORDS

SCALE OF APPLICATION

START AND END YEAR

Finland

National

2012 -

CONTACT DATA

OWNER OR AUTHOR

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https://www.trestima.com/w/en/

REFERENCES
AND RESOURCES

MAIN WEBSITE

RESOURCES

https://www.trestima.com/w/en/

PROJECT WEBSITE

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PROJECT REFERENCE

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PROJECT UNDER WHICH THIS FACTSHEET HAS BEEN CREATED

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A TOOL FROM ROSEWOOD 4.0, DESIGNED AND DEVELOPED BY





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