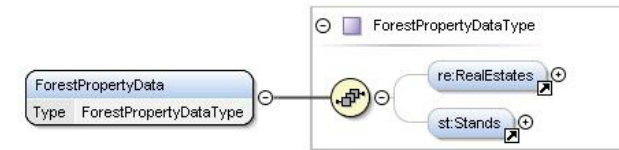


# Forest Information Standard



Forest information is standardized so that actors engaged in the forest sector could develop and use harmonized information systems. Although basic concepts and measurement units have been defined for decades, almost every actor has implemented them differently in their information systems. Converting and transferring information is difficult or almost impossible between systems. Forest information standards facilitate the use of open materials and data transfer between actors. This improves operational efficiency and international competitiveness of forest sector.

The development of information exchange interfaces is not finished. The goal is a situation where all forest industry systems would read, write and send via a forest information standard.

Standard defines the structure, data types and codes used in different schemes. Forest information standards are based on XML-format (geometry: GML). Data to be exchanged with standards is: special feature data, forest compartment data, forest use declaration, timber trade, harvesting and operations. The projects outcome is: documentation, schemas, guidelines, practises. The outcome will be written XML files which are transferred between different systems. XML is used as it is international data standard, a method to structure electronic documents. XML-documents (=files) are readable and allows to import data into all systems capable of reading such documents. The structure of XML-documents can be validated automatically so it follows its definitions (=schema).

## DETAILS

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### ORIGIN OF WOOD

Forest

### TYPE OF WOOD

Stemwood

### KIND OF WOOD CONCERNED

Stemwood

### IMPACT ON ENVIRONMENT & BIODIVERSITY

Positive

### INCOME EFFECT

Positive

### EXPLOITATION POTENTIAL

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### HUB

Northern Hub

### ECONOMIC IMPACT

High with fully digitalization

### SPECIFIC KNOWLEDGE NEEDED

High, complex approach- Introduction to XML schemes

### MOBILIZATION POTENTIAL

1 m<sup>3</sup>/ha

### SUSTAINABILITY POTENTIAL - VALUE

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### EASE OF IMPLEMENTATION

Medium

### EASE OF IMPLEMENTATION - EVALUATION

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### KEY PREREQUISITES

Involve all relevant stakeholders in the development

### TYPE OF EVENT WHERE THIS BPI HAS BEEN FEATURED

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### JOB EFFECT

Better qualified staff / better operations and transport

### COSTS OF IMPLEMENTATION ( EURO - € )

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## MORE DETAILS

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### CHALLENGE ADDRESSED

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

### KEYWORDS

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### COUNTRY OF ORIGIN

Finland

### DOMAIN

Forest-based bio/circular economy

### DIGITAL SOLUTION

Yes

### SCALE OF APPLICATION

National

### TYPE OF SOLUTION

Data standards

### INNOVATION

Yes

### START AND END YEAR

2008 -

## CONTACT DATA

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### OWNER OR AUTHOR

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<https://www.metsakeskus.fi/en>

### REPORTER

## REFERENCES AND RESOURCES

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### MAIN WEBSITE

<https://www.metsakeskus.fi/en/open-forest-and-nature-information/forest-information-standards>

### PROJECT WEBSITE

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### PROJECT REFERENCE

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### RESOURCES

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PROJECT UNDER WHICH THIS FACTSHEET HAS BEEN CREATED

Rosewood

POST DATE

18 Nov 2019

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A TOOL FROM ROSEWOOD 4.0, DESIGNED AND DEVELOPED BY

