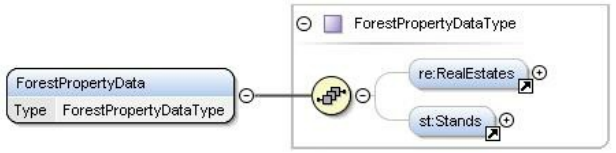
Forest Information Standard



Forest information is standardised so that actors engaged in the forest sector could develop and use harmonised 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 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 alloes 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). The information standard is already used by metsään.fi, puumarkkinat.fi, kuutio.fi (will be used), organizations such as Tornator, Stora Enso, UPM, Metsä Group.

DETAILS

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

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ECONOMIC IMPACT

Fast and effective info transfer

SPECIFIC KNOWLEDGE NEEDED

Introduction to XML schemes

MOBILIZATION POTENTIAL

Not possible to assess

SUSTAINABILITY POTENTIAL - VALUE

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EASE OF IMPLEMENTATION

Medium

EASE OF IMPLEMENTATION - EVALUATION

--

KEY PREREQUISITES

Involve all relevant stakeholders in the development

TYPE OF EVENT WHERE THIS BPI HAS BEEN FEATURED

--

JOB EFFECT

Positive

COSTS OF IMPLEMENTATION (EURO - €)

--

MORE DETAILS

CHALLENGE ADDRESSED

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DOMAIN

TYPE OF SOLUTION

--

KEYWORDS

--

DIGITAL SOLUTION

No

INNOVATION

Yes

COUNTRY OF ORIGIN

--

SCALE OF APPLICATION

--

START AND END YEAR

2008 -

CONTACT DATA

OWNER OR AUTHOR

REPORTER

info@bitcomp.fi

REFERENCES AND RESOURCES

MAIN WEBSITE

https://bitcomp.com/bitcomp-finland/

RESOURCES

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PROJECT WEBSITE

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PROJECT REFERENCE

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PROJECT UNDER WHICH THIS FACTSHEET HAS BEEN CREATED

Rosewood

POST DATE

27 Sep 2019

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