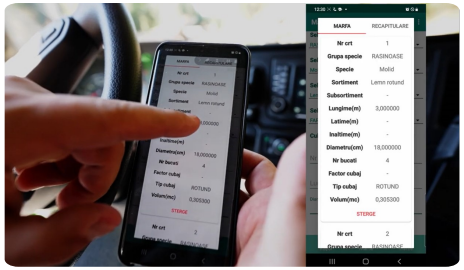
SUMAL 2.0 | Digital Wood Tracking



InspectorulPadurii.ro is initiated by Ministry of Environment, Waters and Forests together with the Government of Romania with the aim to make transparent the wood harvesting activity, transport of wood in entire Romania.

The online portal is an automatic method for identifying illegally cut timber transports from Romania. The users are able to observe alerts from satellites indicating information and once every few days (between 2 and 7 days depending on the satellite) any change in the aerial image associated with the forest vegetation in Romania. The portal also accesses the SUMAL database of the Ministry of Water and Forests in real time. From this database, information is extracted to be processed in the internal system, about the enhancement documents on wood harvests, the locations from where the timber transports are loaded and the information related to these points.The permits on wood harvest became digitalized, therefore all harvesting activity can be checked by satellite monitoring while the transports must obtain a unique code before leaving the place of loading. This code is only obtained after the transport information has been entered into the system, including the location where the code was requested.

The portal, through further developments, also contains an API (set learned of rules), which allows automatic access to all information publicly presented on this portal (layers, transport coordinates and related metadata, enhancement documents, etc.), so that other interested actors can make analyzes that will lead to stopping illegal logging.

DETAILS

ORIGIN OF WOOD
Forest

TYPE OF WOOD
Stemwood

KIND OF WOOD CONCERNED
logwood, primer material

IMPACT ON ENVIRONMENT & BIODIVERSITY
protection

INCOME EFFECT
minor impact

EXPLOITATION POTENTIAL
high

HUB
--

ECONOMIC IMPACT
Transparancy

SPECIFIC KNOWLEDGE NEEDED
Digitalization

MOBILIZATION POTENTIAL
11000000 m3/y

SUSTAINABILITY POTENTIAL - VALUE
Very Positive

EASE OF IMPLEMENTATION
difficult

EASE OF IMPLEMENTATION - EVALUATION
Difficult

KEY PREREQUISITES
political decision

TYPE OF EVENT WHERE THIS BPI HAS BEEN FEATURED
--

JOB EFFECT
minor impact

COSTS OF IMPLEMENTATION (EURO - €)
--

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
Traceability tools

KEYWORDS
timber tracking; traceability

DIGITAL SOLUTION
Yes

INNOVATION
Yes

COUNTRY OF ORIGIN
--

SCALE OF APPLICATION
National

START AND END YEAR
2021 -

CONTACT DATA

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REFERENCES AND RESOURCES

MAIN WEBSITE
https://www.mmediu.ro

PROJECT WEBSITE
--

PROJECT REFERENCE
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RESOURCES
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LOGO OF BEST PRACTICE



LOGO OF MAIN ORGANIZATION

PROJECT UNDER WHICH THIS FACTSHEET HAS BEEN CREATED

Rosewood 4.0

POST DATE

12 Aug 2021

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A TOOL FROM ROSEWOOD 4.0, DESIGNED AND DEVELOPED BY