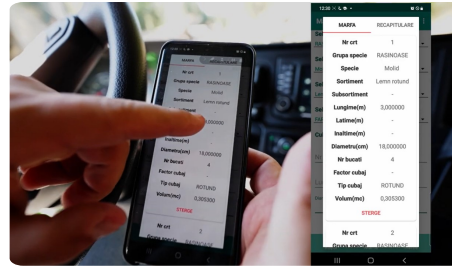


SUMAL 2.0 | Digital Wood Tracking



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

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ECONOMIC IMPACT

Transparency

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

OWNER OR AUTHOR www.mmediu.ro Tanczos Barna, Ministry of Environment, Water and Forests solicitari544@mmediu.ro www.mmediu.ro	REPORTER ProWood Kadar Rezso prowoodcluster@gmail.com
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REFERENCES AND RESOURCES

MAIN WEBSITE https://www.mmediu.ro	RESOURCES --
PROJECT WEBSITE --	
PROJECT REFERENCE --	

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

