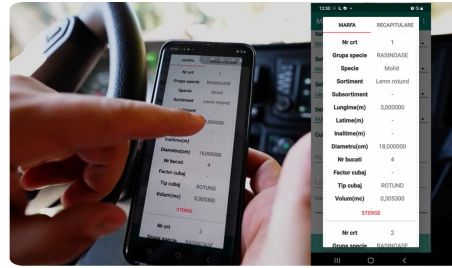


## SUMAL 2.0 | Digital Wood Tracking



*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

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

---

|  |   |   |
|--|---|---|
| <b>CHALLENGE ADDRESSED</b><br>5.- Enhance economic and environmental performance of forest supply chains | <b>DOMAIN</b><br>Inventory, monitoring<br>Forest management, ecosystem, resilience<br>Harvesting, infrastructure, logistics | <b>TYPE OF SOLUTION</b><br>Traceability tools |
| <b>KEYWORDS</b><br>timber tracking; traceability   | <b>DIGITAL SOLUTION</b><br>Yes  | <b>INNOVATION</b><br>Yes                      |
| <b>COUNTRY OF ORIGIN</b><br>--   | <b>SCALE OF APPLICATION</b><br>National   | <b>START AND END YEAR</b><br>2021 -           |

## CONTACT DATA

---

|  |   |
|--|---|
| <b>OWNER OR AUTHOR</b><br>www.mmediu.ro<br>Tanczos Barna, Ministry of Environment, Water and Forests<br>solicitari544@mmediu.ro<br>www.mmediu.ro | <b>REPORTER</b><br>ProWood<br>Kadar Rezso<br>prowoodcluster@gmail.com |
|--|---|

## REFERENCES AND RESOURCES

---

|  |                        |
|--|------------------------|
| <b>MAIN WEBSITE</b><br><a href="https://www.mmediu.ro">https://www.mmediu.ro</a> | <b>RESOURCES</b><br>-- |
| <b>PROJECT WEBSITE</b><br>--   |                        |
| <b>PROJECT REFERENCE</b><br>--   |                        |

LOGO OF BEST PRACTICE

LOGO OF MAIN ORGANIZATION



PROJECT UNDER WHICH THIS FACTSHEET HAS BEEN CREATED

Rosewood 4.0

POST DATE

12 Aug 2021



This project has received funding from the European Union's Horizon 2020 research and innovation programme under grant agreement No. 862681

A TOOL FROM ROSEWOOD 4.0, DESIGNED AND DEVELOPED BY

