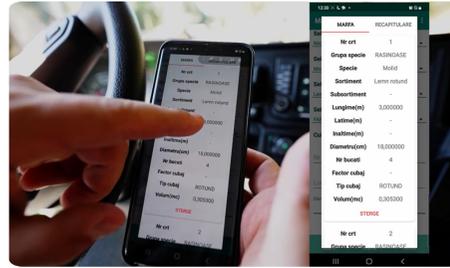# SUMAL 2.0 | Digital Wood Tracking

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

HERKUNFT DES HOLZES	**MOBILISIERUNGSPOTENZIAL**
Wald	11000000 m3/y
ART DES HOLZES	**POTENZIAL FüR NACHHALTIGKEIT - WERT**
Stammholz	Sehr positiv
ART DES BETROFFENEN HOLZES	**LEICHTE IMPLEMENTIERUNG**
logwood, primer material	difficult
AUSWIRKUNGEN AUF UMWELT UND BIODIVERSITäT	**LEICHTE IMPLEMENTIERUNG - BEWERTUNG**
protection	Schwierig
EINKOMMENSEFFEKT	**WICHTIGE VORAUSSETZUNGEN**
minor impact	political decision
VERWERTUNGSPOTENZIAL	**ART DER VERANSTALTUNG, AUF DER DIESE BPI VORGESTELLT WURDE**
high	--
NABE	**ARBEITSPLATZEFFEKT**
--	minor impact
WIRTSCHAFTLICHE AUSWIRKUNGEN	**KOSTEN DER IMPLEMENTIERUNG (EURO - €)**
Transparancy	--
SPEZIFISCHES WISSEN ERFORDERLICH	
Digitalization	

MEHR DETAILS

ANGESPROCHENE HERAUSFORDERUNG

5. Verbesserung der wirtschaftlichen und ökologischen
Leistung der forstwirtschaftlichen Forstlieferketten

DOMäNE

Bestandsaufnahme, Bewertung, Überwachung

Waldmanagement, Waldbau, Ökosystemleistungen,
Resilienz

Holzernte, Infrastruktur, Logistik

ART DER LöSUNG

Rückverfolgbarkeitstools

SCHLüSSELWöRTER

timber tracking; traceability

DIGITALE LöSUNG

Ja

INNOVATION

Ja

HERKUNFTSLAND

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UMFANG DER ANWENDUNG

National

ANFANGS- UND ENDJAHR

2021 -

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REFERENCES
AND RESOURCES

HAUPT-WEBSITE

https://www.mmediu.ro

PROJEKT-WEBSITE

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PROJEKT-REFERENZ

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RESSOURCEN

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PROJEKT, IN DESSEN RAHMEN DIESES FACTSHEET ERSTELLT WURDE

Rosewood 4.0

BEITRAGSDATUM

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A TOOL FROM ROSEWOOD 4.0, DESIGNED AND DEVELOPED BY