

Earth observation based service supporting local administration in non-state forest management



SAT4EST

An R&D project aimed at developing a simple, intuitive and cost-effective web-based service to support forest management supervision, integrating remote sensing satellite data with data acquired from other sources.

The system consists of four components:

- remote sensing data - quick access to current and historical data, enabling the user to compare satellite images from different periods;
- complementary data - cadastral data and detailed forest inventory data from management plans (FMP);
- remote sensing data products - geometric layers resulting from the processing of satellite images, showing the condition and health status of vegetation and forests;
- geospatial analyses - juxtaposition of remote sensing data products with cadastral data and detailed forest inventory data, enabling to identify inconsistencies between the actual state of the forest and the state recorded in databases, as well as recent changes.

The entire solution is based on an intuitive map portal for users, which is used to generate various types of maps, including maps of forests and tree cover, forest changes, maps of forest types, maps of forest condition, maps of crown density, maps of aboveground forest biomass and the extent of stand damage due to windstorms, fires, floods and insect infestations. Users of the system have access to current and archival satellite images, and they can compare

different types of maps with complementary data as well as upload their own data sets.

DETALII

SURSA DE LEMN	POTENȚIALUL DE MOBILIZARE
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TIPUL DE LEMN	POTENȚIAL DE SUSTENABILITATE - VALOARE
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TIPUL DE LEMN ÎN CAUZă	FACILITATEA DE IMPLEMENTARE
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IMPACTUL ASUPRA MEDIULUI și BIODIVERSITăȚII	FACILITATEA DE IMPLEMENTARE - EVALUARE
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EFFECT ASUPRA VENITURILOR	CONDIȚII CHEIE PREALABILE
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POTENȚIAL DE EXPLOATARE	TIPUL DE EVENIMENT LA CARE A FOST PREZENTAT ACEST IPB
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HUB	EFFECT ASUPRA LOCURILOR DE MUNCĂ
Hub central-est	--
IMPACT ECONOMIC	COSTURI PENTRU IMPLEMENTARE (EURO - €)
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CUNOȘTINȚE SPECIFICE NECESARE	
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MAI MULTE DETALII

PROVOCARE ABORDATĂ	DOMAIN	TIP DE SOLUȚIE
2. Îmbunătățirea infrastructurilor și a capacitatei actorilor publici	Inventariere, evaluare, monitorizare Managementul pădurilor, silvicultura, servicii ecosistemice, reziliență	Instrumente de consiliere și servicii pentru proprietarii de păduri
CUVINTE CHEIE	SOLUȚIE DIGITALĂ	INOVAȚIE
forest management plan; monitoring; web app	Da	Da
ȚARA DE ORIGINE	SCARA DE APLICARE	ANUL DE ÎNCEPUT și DE SFÂRȘIT
Polonia	Regional/ sub-național	--

DATE DE CONTACT

PROPRIETAR SAU AUTOR	REPORTER
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REFERENCES AND RESOURCES

PAGINĂ WEB	RESURSE
http://www.sat4est.pl/	--
WEBSITE PROJECT	
http://www.sat4est.pl/	
REFERINȚĂ PROIECT	
Earth observation based service supporting local administration in non-state forest management (SAT4EST), funded by European Space Agency (ESA) through the Polish Incentive Scheme Programme	



SAT4EST

PROIECTUL ÎN CADRUL CĂRUIA A FOST CREATĂ ACEASTĂ FIŞĂ INFORMATIVĂ

Rosewood 4.0

DATA POSTĂRII

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A TOOL FROM ROSEWOOD 4.0, DESIGNED AND DEVELOPED BY



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