

# 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.

## DETALJI

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PODRIJETLO DRVA

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VRSTA DRVA

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ODGOVARAJUĆA VRSTA DRVA

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UTJECAJ NA OKOLIŠ I BIORAZNOLIKOST

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UČINAK NA PRIHOD

--

POTENCIJAL ISKORISTIVOSTI

--

SREDIŠTE

Centralno-istočno čvorište

GOSPODARSKI UČINAK

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POTREBNA POSEBNA ZNANJA

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POTENCIJAL ZA POVEĆANJE UPORABE DRVA

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POTENCIJAL ODRŽIVOSTI - VRIJEDNOST

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JEDNOSTAVNOST PROVEDBE

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JEDNOSTAVNOST PROVEDBE - EVALUACIJA

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KLJUČNI PREDUVJETI

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VRSTA DOGAĐAJA NA KOJEM JE PRIKAZAN OVAJ BPI

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UČINAK NA ZAPOŠLJIVOST

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TROŠKOVI PROVEDBE (EURO - €)

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## VIŠE DETALJA

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### IZAZOV

2. Unaprjeđenje infrastrukture i kapaciteta javnih dionika

### DOMENA

Popis, procjena, praćenje  
Upravljanje šumama, uzgoj šuma, usluge  
ekosustava, otpornost

### VRSTA RJEŠENJA

Savjetodavni i uslužni alati za vlasnike šuma

### KLJUČNE RIJEČI

forest management plan; monitoring; web app

### DIGITALNO RJEŠENJE

Da

### INOVACIJA

Da

### ZEMLJA PODRIJETLA

Poljska

### PODRUČJE PRIMJENE

Regionalno / podnacionalno

### POČETAK I KRAJ GODINE

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## KONTAKT PODATCI

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## REFERENCES AND RESOURCES

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### GLAVNA WEB STRANICA

<http://www.sat4est.pl/>

### WEB STRANICA PROJEKTA

<http://www.sat4est.pl/>

### REFERENCA PROJEKTA

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

### IZVORI

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SAT4EST

PROJEKT U OKVIRU KOJEG JE INFORMATIVNI LIST KREIRAN

Rosewood 4.0

DATUM UNOSA

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A TOOL FROM ROSEWOOD 4.0, DESIGNED AND DEVELOPED BY

