

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



**ROSEWOOD**  
**4.0** Sustainable Wood  
for Europe

## 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.

## DETALLES

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ORIGEN DE LA MADERA

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TIPO DE MADERA

TIPO DE MADERA AFECTADA

IMPACTO EN EL MEDIO AMBIENTE Y LA BIODIVERSIDAD

EFFECTO SOBRE LOS INGRESOS

POTENCIAL DE EXPLOTACIÓN

HUB  
Eje Centro-Este

IMPACTO ECONÓMICO

CONOCIMIENTOS ESPECÍFICOS NECESARIOS

POTENCIAL DE MOVILIZACIÓN

POTENCIAL DE SOSTENIBILIDAD - VALOR

FACILIDAD DE APLICACIÓN

FACILIDAD DE IMPLEMENTACIÓN - EVALUACIÓN

PREREQUISITOS CLAVE

TIPO DE EVENTO EN EL QUE SE HA PRESENTADO ESTA IFS

EFFECTO SOBRE EL EMPLEO

COSTES DE IMPLEMENTACIÓN (EURO - €)

## MÁS DETALLES

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RETO ABORDADO	DOMINIO	TIPO DE SOLUCIÓN
2. Mejorar las infraestructuras y la capacidad de los agentes públicos	Inventario, evaluación, seguimiento Gestión forestal, silvicultura, servicios ecosistémicos, propietarios forestales resiliencia	Herramientas de asesoramiento y servicios para
PALABRAS CLAVE	SOLUCIÓN DIGITAL	INNOVACIÓN
forest management plan; monitoring; web app	Sí	Si
PAÍS DE ORIGEN	ESCALA DE APLICACIÓN	AÑO DE INICIO Y FIN
Polonia	Regional/sub-nacional	--

## DATOS DE CONTACTO

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### PROPIETARIO O AUTOR

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## REFERENCES AND RESOURCES

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### SITIO WEB PRINCIPAL

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

### SITIO WEB DEL PROYECTO

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

### REFERENCIA DEL PROYECTO

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

### RECURSOS

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LOGO DE LA BUENA  
PRÁCTICA



SAT4EST

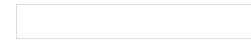
LOGOTIPO DE LA  
ORGANIZACIÓN PRINCIPAL

PROYECTO BAJO EL QUE SE HA CREADO ESTA FICHA

Rosewood 4.0

FECHA DE MENSAJE

12 Ago 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



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