

# >>> A few years later

In the last few years, the development of the service has been finalised and implemented in three pilot districts. The service is updated regularly and a set of EO products is provided to the users on annual bases. At the moment, the service provides data and products for the period 2016-2021.

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BENEFICIARIES	Institute of Geodesy and Cartography	Local administration in Nowy Targ	Local administration; Private forest companies	Citizens and Society
	TIER 1: SERVICE PROVIDER	TIER 2 PRIMARY USER	TIER 3 SECONDARY USER	TIER 4 END USER BENEFICIARIES
SERVICES	Sentinel-1 Sentinel-2	Thematic maps of forest and woodlands cover, forest change mapping, forest type, canopy coverage and forest conditions; Specific "on-demand" products like damage assessment and estimation of forest aboveground biomass	More efficient and transparent administrative process (tenders preparation and evaluation; Control of forest management tasks implementation; Overall forest management cost reduction; Preparation of forest inventories	Preservation of biodiversity; More sustainable forest management

Value chain definition following SeBS Methodology - https://earsc.org/sebs

# The space-based solution

This Copernicus-based solution was produced by a scientific entity and commercial company for a Public Administration.

# The Usage Maturity Level

Over the past few years, the solution stayed at the same UML=3. The main reasons for this are because the necessary administrative process is still to be finalized and due to lack of additional funding.

Thematic Area	Region of Application	Sentinel mission used	Copernicus Service used	Usage Maturity Level
AGRICULTURE, FOOD, FORESTRY AND FISHERIES	MAZOVIA (MAZOWIECKIE DISTRICT REGION)	51 52 52	-	3

THE EVER GROWING USE OF COPERNICUS ACROSS EUROPE'S REGIONS: A selection of 99 user stories by local and regional authorities

## **Overall benefits**

#### ECONOMIC



No noticeable additional modification/impact on the functioning of the public administration nor on the lives of the citizens since 2018.

#### ENVIRONMENTAL



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#### REGULATORY



No noticeable additional modification/impact on the functioning of the public administration nor on the lives of the citizens since 2018.

#### **INNOVATION**



The solution has helped to introduce some innovation in the functioning of the public administration

There were positive market externalities

#### SCIENCE



- The solution has helped to improve understanding about a specific topic of interest traditionally not related to Earth Observation (EO)
- The solution has enabled some technological advancement
- There was an increase in technical/scientific expertise related to Copernicus/EO at the service provider

## SOCIETAL



- Improved coordination and governance have been registered
- There have been improvements in public awareness

Benefits classification following SeBS Methodology - https://earsc.org/sebs

# Interesting facts...

Acknowledgements

of IGIK and Taxus.IT.

In the past few years, there were significant performance and automation improvements. The process of preparation of Sentinel-2 images for visualisation has been automatised, as well as the preparation of EO based forest related products.

The SAT4EST project is founded by the European Space Agency

(ESA) in the framework of the Polish Incentive Scheme programme.



Since the service is easily transferable, Service provider intends to expand the solution over other regions or districts in the future. Such replicability activity will depend on the financial capabilities of local administration.



## Contacts

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# The EO based service is a joint effort of the Remote Sensing Centre

#### Find the original story at

www.nereus-regions.eu/copernicus4regions/user-stories-sheets or Download the full publication www.nereus-regions.eu/copernicus4regions/publication

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