

February 2022



COPERNICUS DATA GIVE PROSPECTS

>>> A few years later

This Copernicus-based solution was developed by the Public Administration for internal use and for other users. In the past few years the solutions has consolidated its operational functionalities and is now more technically advanced. Thanks to the experience in the use of EO data in its decision making processes, the Municipality of Thessaloniki is taking part in a Steering Committee for the Earth Observations Toolkit for Sustainable Cities and Human Settlements.

Mr. Simos Misirloglou, Municipality of Thessaloniki, GIS Department



BENEFICIARIES	Municipality of Thessaloniki, GIS Department	Municipality of Thessaloniki, GIS Department	Municipality departments within Directorate of Technical Services, Directorate of Urban Planning and Architectural Design and Independent Civil Protection Department.	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	Thessaloniki SDI platform integrated with Copernicus data and derivatives	Maps of indices such as NDVI, NDWI, SAVI, LAI, and EVI; Local risk reduction and development of a risk management system (urban resilience)	Strengthening the environmental awareness; Strengthening the Transparency and Efficiency of the Municipality (Open Data)

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

The space-based solution

This Copernicus-based solution developed by the Public Administration for internal use and for other users such as companies, professionals, agencies, associations, single citizens.

The Usage Maturity Level

UML stayed at the highest level over the last few years. The solution is operational, while an increased awareness about Copernicus programme at decision-making level (from external sources) has also been acknowledged

Thematic Area



CIVIL PROTECTION

Region of Application



CENTRAL MACEDONIA

Sentinel mission used



S1, S2, S5P

Copernicus Service used



-

Usage Maturity Level



5

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



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

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 (e.g. adopted more efficient or effective business practice)

SCIENCE



- The solution has enabled some technological advancement
- There was an increase in technical/scientific expertise related to Copernicus/EO within the PA

SOCIETAL



- Sense of trust/community for the involved actors has increased
- There have been improvements in public awareness (e.g. about societal and climate threats)

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

Interesting facts...

With respect to 2018, the solution is now more technically advanced. Specifically, Sentinel 5P data are now used. Furthermore, the Municipality of Thessaloniki is taking part in a Steering Committee for the Earth Observations Toolkit for Sustainable Cities and Human Settlements which consists of 19 members that represent cities, countries, research institutes, academia, and non-profit organisations. Their goal is to share expectations and identify unmet needs and ways to help encourage the use of EO data among public administrations at all levels.

Acknowledgements

The work described in this article was supported by our collaborator GET Ltd and especially Gabriel Mavrellis and Theodoros Vakkas who, with their scientific guidance and experience, helped us develop the abovementioned platform and services.

Outlook to the future

In the future, Thessaloniki Municipality would like to use EO Copernicus data for Sustainable Cities and Human Settlements End Product. Thessaloniki Municipality will aim to collaborate with peers to share best practices and to get significant positive impact on Sustainable Development Goals (SDG) objectives by using EO data.

Contacts

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