

April 2022



A SMARTPHONE APPLICATION DELIVERING METEO-MARINE DATA TO THE PUBLIC

>>> A few years later

Over the past few years, there has been an increase in awareness at all levels, including the general public, about the importance of marine data. This is especially true for informed decision making, even in everyday situations such as those associated with safety at sea. Providing improved and more relevant information that is easily understood by users and that directly satisfies their needs, proved to be essential.

Prof. Aldo Drago, Head of Physical Oceanography Research Group, Dept. of Geosciences, University of Malta



BENEFICIARIES	Physical Oceanography Research Group (University of Malta)	Local communities; Coastal users; National public authorities; Environmental agencies	Mariners, fishermen and leisure craft owners	Society and Citizens
	TIER 1: SERVICE PROVIDER	TIER 2 PRIMARY USER	TIER 3 SECONDARY USER	TIER 4 END USER BENEFICIARIES
SERVICES	CMEMS	KAPTAN, a smartphone application that integrates real time observations with satellite data and numerical model forecasts	Information on weather and marine conditions; Sea surface temperature (added to HR 3-hourly maps from weather and marine numerical models specific to the Malta-Sicily Channel)	Improved safety at sea; An improved quality of life by providing easily accessible information about the sea and atmosphere

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

The space-based solution

This Copernicus-based solution was produced by a scientific entity for other users such as companies, professionals, agencies, associations, single citizens. In the past few years, additional information has been generated.

The Usage Maturity Level

The solution remained at the same (high) UML 5 stage and it has been better integrated in the workflow of the administration.

Thematic Area



TRANSPORTS, CIVIL INFRASTRUCTURE AND SAFETY

Region of Application



MALTA, SICILY

Sentinel mission used



Copernicus Service used



CMEMS

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.

INNOVATION



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.

SCIENCE



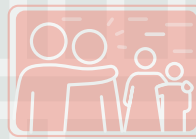
No noticeable additional modification/impact on the functioning of the public administration nor on the lives of the citizens since 2018.

REGULATORY

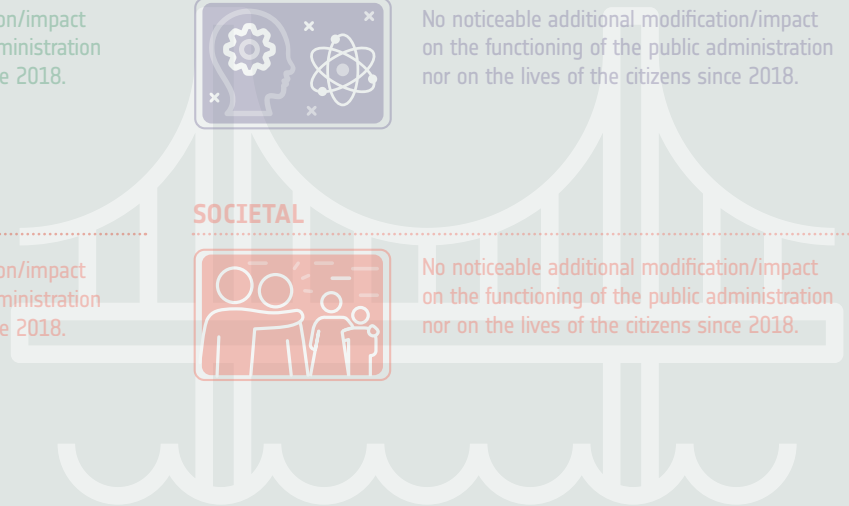


No noticeable additional modification/impact on the functioning of the public administration nor on the lives of the citizens since 2018.

SOCIETAL



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



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

Interesting facts...

Even though the final users remained practically the same, both them and stakeholders have become more conscious of the need for updated information regarding the safety at sea. The app now covers a broader geographical area.



Outlook to the future

In the future, more data layers will be added to the service so that applications and users reached are higher in number and better targeted.



Acknowledgements

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Contacts

Prof. Aldo Drago | aldo.drago@um.edu.mt

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