

April 2022



COPERNICUS SENTINELS HELP VESSEL TRAFFIC MONITORING

>>> A few years later

In the past few years, there were no emergency situations regarding vessel traffic monitoring. Currently, the activity is on stand-by because validation from administration side (AFDJ) is still on-going.

Maria Ioana Vlad Sandru, Romanian Space Agency



BENEFICIARIES	Romanian Space Agency (ROSA)	Romanian Lower Danube River Administration (AFDJ)	River Port Administration; Romanian Lower Danube River Administration (AFDJ)	Society and Citizens
SERVICES	TIER 1: SERVICE PROVIDER Sentinel-1; Sentinel-2	TIER 2 PRIMARY USER Integration of Copernicus data into River Information System (RIS); Ensure continuous monitoring of the ship traffic; Identification of ships not equipped with Automatic Identification System (AIS).	TIER 3 SECONDARY USER Minimise navigation problems; Improve the functionality of existing navigation systems; Improved accuracy of sailing management.	TIER 4 END USER BENEFICIARIES Improved dissemination of information to wider public

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 a for a Public Administration.

The Usage Maturity Level

Since 2018, it remained more or less at the same UML.

Thematic Area



TRANSPORTS,
CIVIL
INFRASTRUCTURE
AND SAFETY

Region of Application



SOUTH
MUNTENIA -
TELEORMAN
COUNTY

Sentinel mission used



S1
S2

Copernicus Service used



-

Usage Maturity Level



2

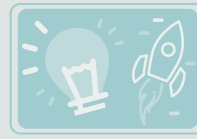
Overall benefits

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

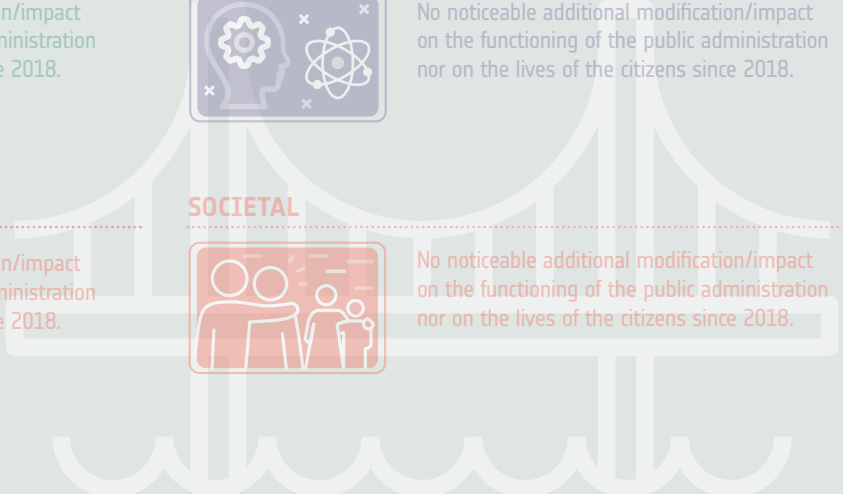


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SOCIETAL



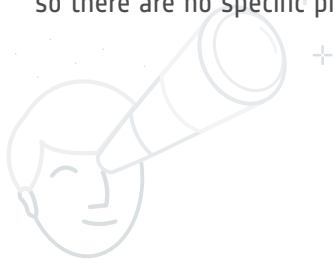
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Benefits classification following SeBS Methodology - <https://ears.org/sebs>

Outlook to the future

At the moment, the validations of the service are still ongoing so there are no specific plans for the future activities.



Contacts

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