

April 2022



ENABLING PERIODIC DOWNSTREAM SERVICES VIA USER-FRIENDLY DATA GRABBING

>>> A few years later

In the past few years, the solution has not further evolved, but novel methods for environmental status mapping have been experimented.

Gloria Bordogna | Italian National Research Council



BENEFICIARIES	CNR - Italian National Research Council	Lombardy Region	Non-EO expert staff at LRA; Farmers and crop producers	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	A user-centred desktop tool called "GeoGrabber" (open software)	Monitor crop growth; Monitor burned or flooded areas (in case of natural disasters); Drive and facilitate in situ surveys (cost saving)	Improving the economy of rural areas; Citizens' empowerment (providing data tailored to specific needs)

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

The space-based solution

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

The Usage Maturity Level

Over the past few years, the solution remained more or less at the same UML. The main reason for this is that in-house expertise has been lost and still needs to be renewed.

Thematic Area



TERRITORIAL MANAGEMENT AND URBAN PLANNING

Region of Application



LOMBARDY

Sentinel mission used



S1, S2

Copernicus Service used



-

Usage Maturity Level



1

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



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.

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://earsc.org/sebs>

Interesting facts...

In the past few years, Authors continued the dissemination of their results in scientific literature, specifically on the Knowledge and Data-driven algorithms applied on satellite data.



Outlook to the future

At the moment, experiment activities and development of other methods for environmental status mapping is taking place. In the future, GeoGrabber system will probably be extended.



Acknowledgements

STRESS project, #2016-0766, funded by Cariplo, "Bando Fondazione Rst - Ricerca dedicata al dissesto idrogeologico 2016" and SIMULATOR-ADS project, #137287, co-funded by Regione Lombardia & FESR "Linea R&S per Aggregazioni".

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