



EO WIDGET

IACS integrated satellite decision support
for CAP Checks by Monitoring and
Area Monitoring System

Managed Agricultural Area Monitoring Services

Operational production and service chain
beyond Sen4CAP

Versatile
graphical interface
for expert judgement

SLA-based, matching
reporting obligations

End-to-end
operations

Fewer
yellow parcels

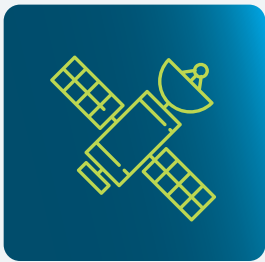
Products
conformant with
latest IACS regulations

Cost-efficient planet
fusion VHR integration

Function-rich quality
assurance support

www.eowidget.services

Flexible System components with data governance



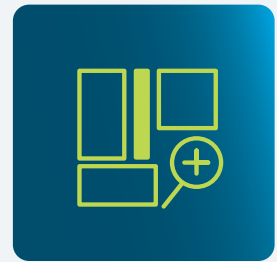
Data as a service



Hosting



Widgets



Small parcels

- **Paying Agencies** choose the depth of integration via APIs within their IACS system
- **Provision of** infrastructure, satellite data processing, APIs, expert Apps, and validation support
- **Service subscriptions** for monitoring products APIs and S1/2 and HHR EO signal/WMS APIs

Customizable Expert Interface – Judgement Tool

The screenshot displays the EO-WIDGET interface. At the top left, a menu icon and the text 'EO-WIDGET' are visible. The main interface is divided into several sections:

- Map:** A satellite map showing agricultural fields. A tooltip for Parcel ID: 3074835 is displayed, listing 'Crop Type Code declared: 651' and 'SNAR_BEZEICHNUNG: ZUCKERRÜBEN'.
- NDVI (median) Graph:** A line graph showing the Normalized Difference Vegetation Index (NDVI) from April 2020 to November 2020. The y-axis ranges from 0.1 to 0.9. The graph shows a steady increase from approximately 0.2 in April to a peak of about 0.85 in August, followed by a slight decline.
- Calendar:** A calendar for July 2020, with the date 'Sat, Jul 25' highlighted.
- Table:** A table listing crop data for three parcels. The columns are 'Parcel ID', 'Crop Type Code declared', 'SNAR_BEZEICHNUNG', 'Compliance', and 'Small Parcel'.

Parcel ID	Crop Type Code declared	SNAR_BEZEICHNUNG	Compliance	Small Parcel
3074835	651	ZUCKERRÜBEN	●	✗
3075469	138	WINTERWEICHWEIZEN	●	✗
3075506	138	WINTERWEICHWEIZEN	●	✗

Below the table is a time-series grid of satellite images. The grid is organized by month and date ranges:

- June 2020:** 01.06 - 07.06, 08.06 - 14.06, 15.06 - 21.06, 22.06 - 28.06, 29.06 - 05.07
- July 2020:** 06.07 - 12.07, 13.07 - 19.07, 20.07 - 26.07, 27.07 - 02.08
- August 2020:** 03.08 - 09.08, 10.08 - 16.08, 17.08 - 23.08

Each cell in the grid contains a small satellite image of the parcel, with a yellow outline indicating the parcel boundary. A larger, detailed view of the parcel is shown on the right side of the interface.



= Contractor-Operated Services
Implementation of customized **CbM & AMS** CAP solutions

Checks by Monitoring - Product offering



EO-WIDGET.Type



EO-WIDGET.Harvest



EO-WIDGET.Cover



EO-WIDGET.Mowing

Monthly updated during the growing season

Flexible to adapt for local regulations

Quality and validation tools and reports for each product included

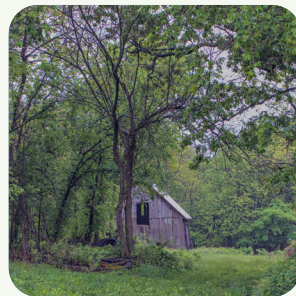
Tested and validated under operational conditions

Area Monitoring System Service

Newest products according to IACS regulation



EO-WIDGET.Imperviousness



EO-WIDGET.Change



EO-WIDGET.Homogeneity

System is setup, configured and operated as a service
Results are integrated into the IACS system



Scan for more information

Integration Options

CLOUD WORKSPACE & WEB APP

- On provided GSAA data
- Screen parcels and declaration in expert judgement tool

EO-DERIVED PRODUCTS

- On provided crop groups and configuration files
- Monitoring products served via access of choice (API, GUI, DB,...)

CONFORMANCE & PRODUCT Q/A

- On provided rules for lanes
- Conformance assessment, HR and HHR EO signals
- Q/A tools in the expert judgement tool

NON-CONCLUSIVE PARCELS

- Expert judgement tool & workflow tools for editing non-conclusive parcels

CENTRALIZE AND PUSH YOUR RESULTS

- Fully validated thematic products
- Transfer into IACS

Contact us

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Funded by:



European Space Agency



InCubed