

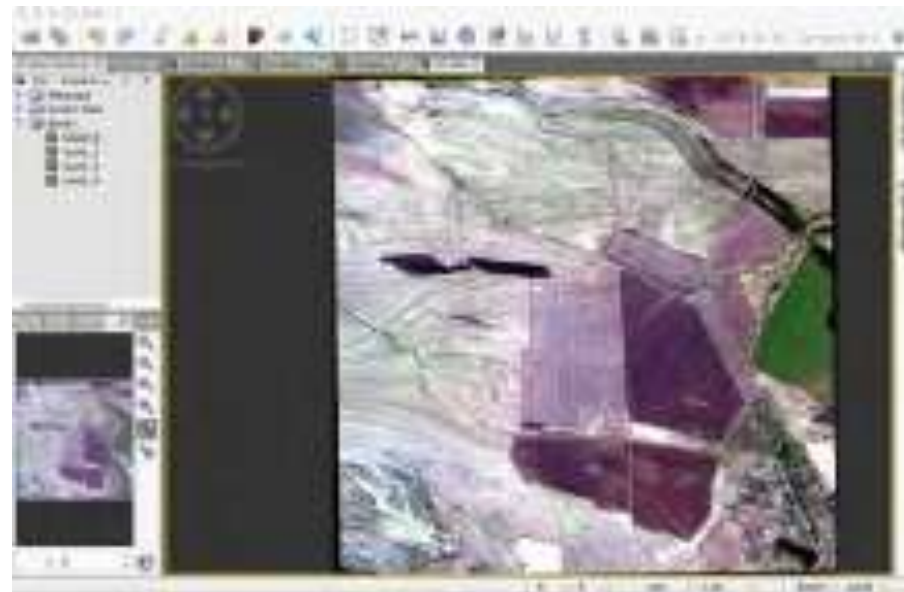
Earth Observation resources for Malta

Gordon Campbell

EO Science, Applications and Climate Department

European Space Agency

Processing tools



<http://step.esa.int/main/toolboxes/snap/>

Analysis tools

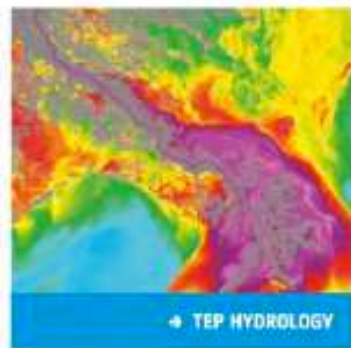


- Validated algorithms, products, workflows and best practices for agriculture monitoring relevant for the management of the CAP.
- Support the use of Sentinel derived information to support modernization and simplification of the CAP post 2020



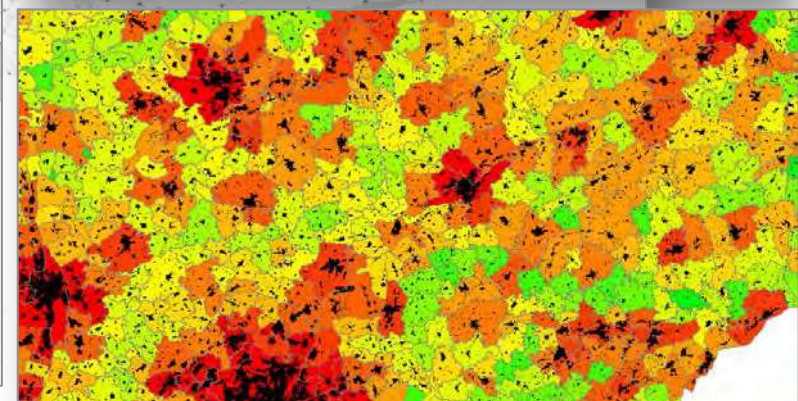
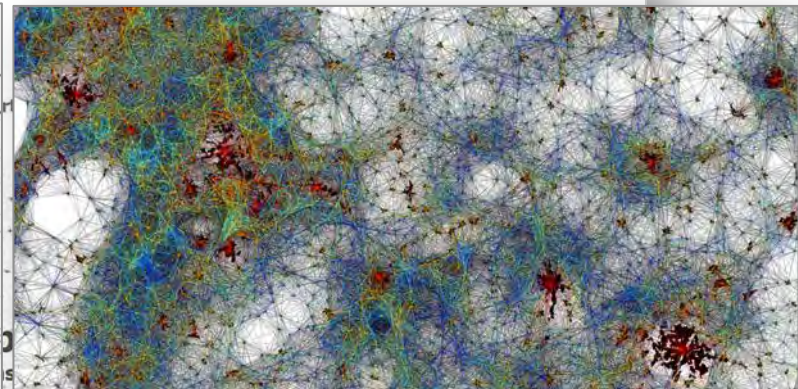
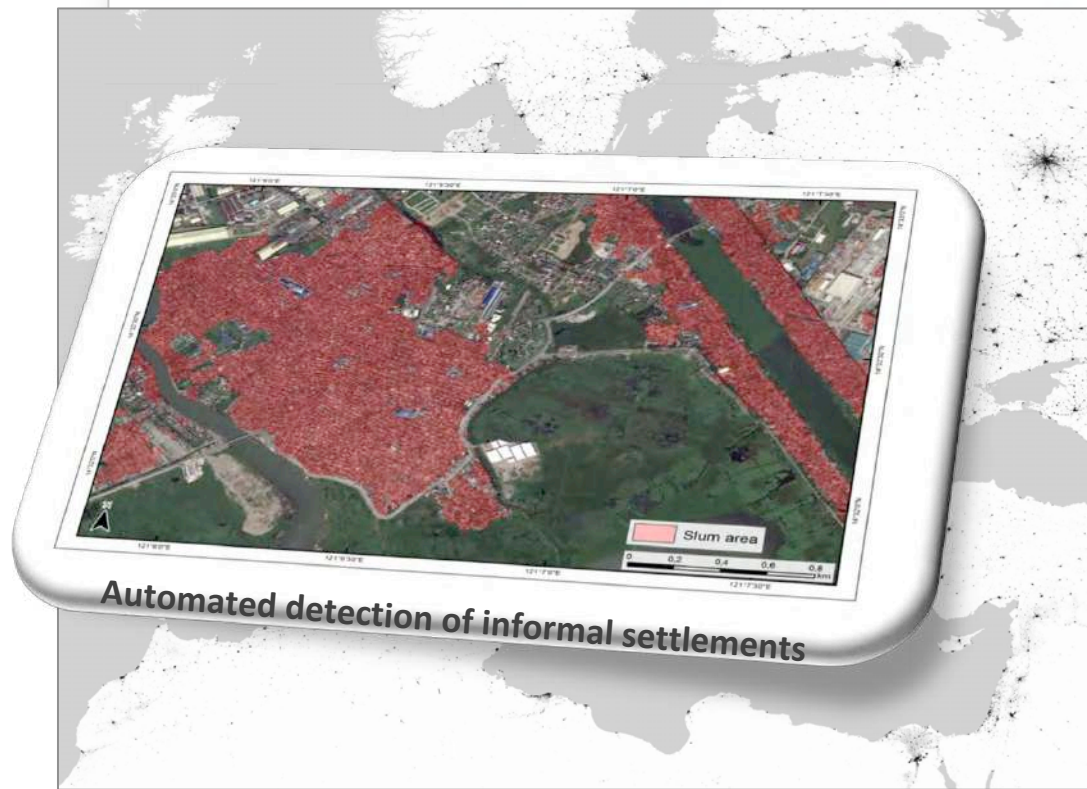
- Open-source System for monitoring, assessing and inventorying water resources in a cost-effective manner through satellite data
- 28 specific water information products covering the whole cycle of IWRM, developed in close collaboration with water authorities and commissions

Exploitation Platforms



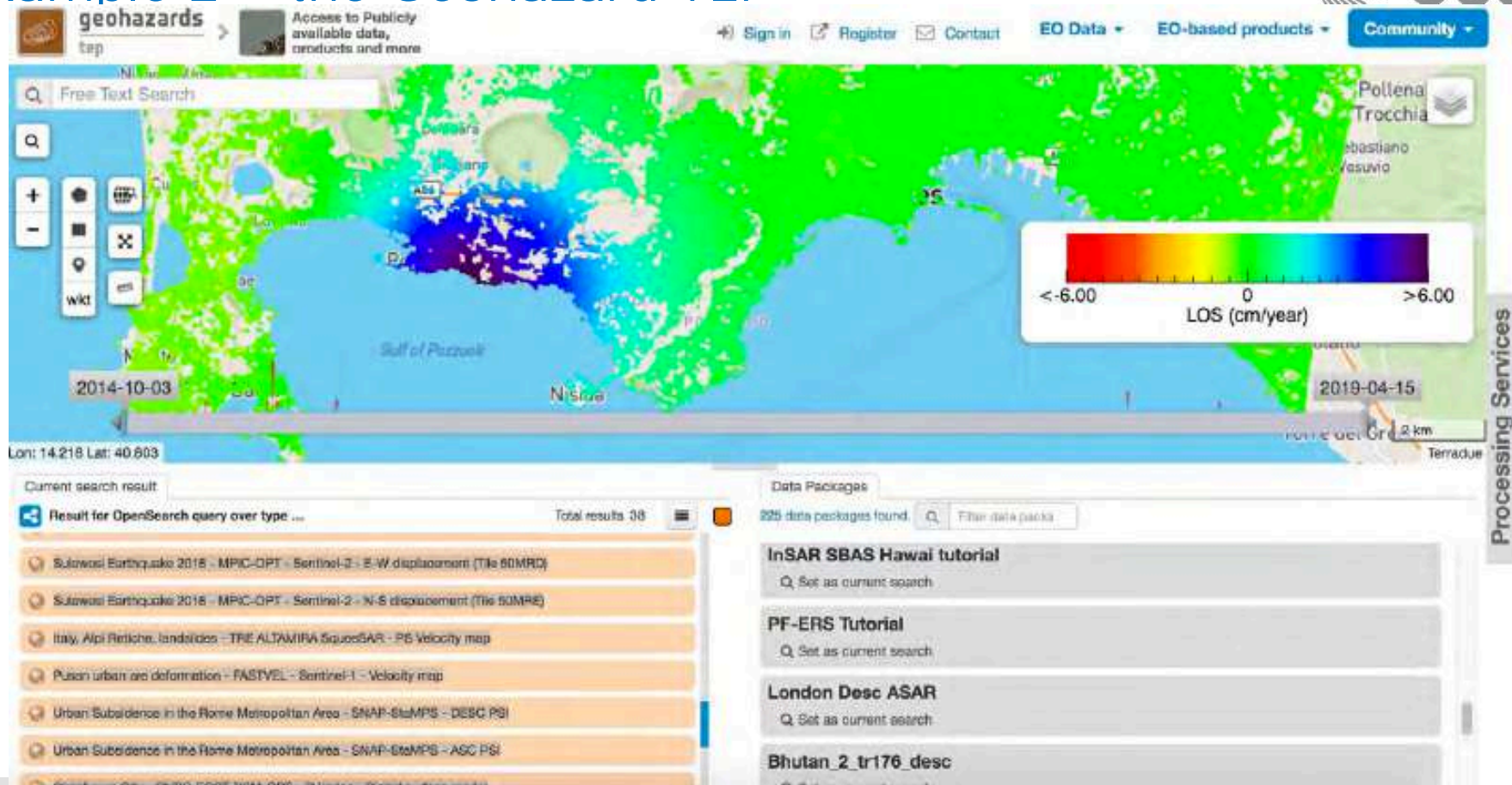
<https://tep.eo.esa.int/>

Example 1 – the Urban TEP

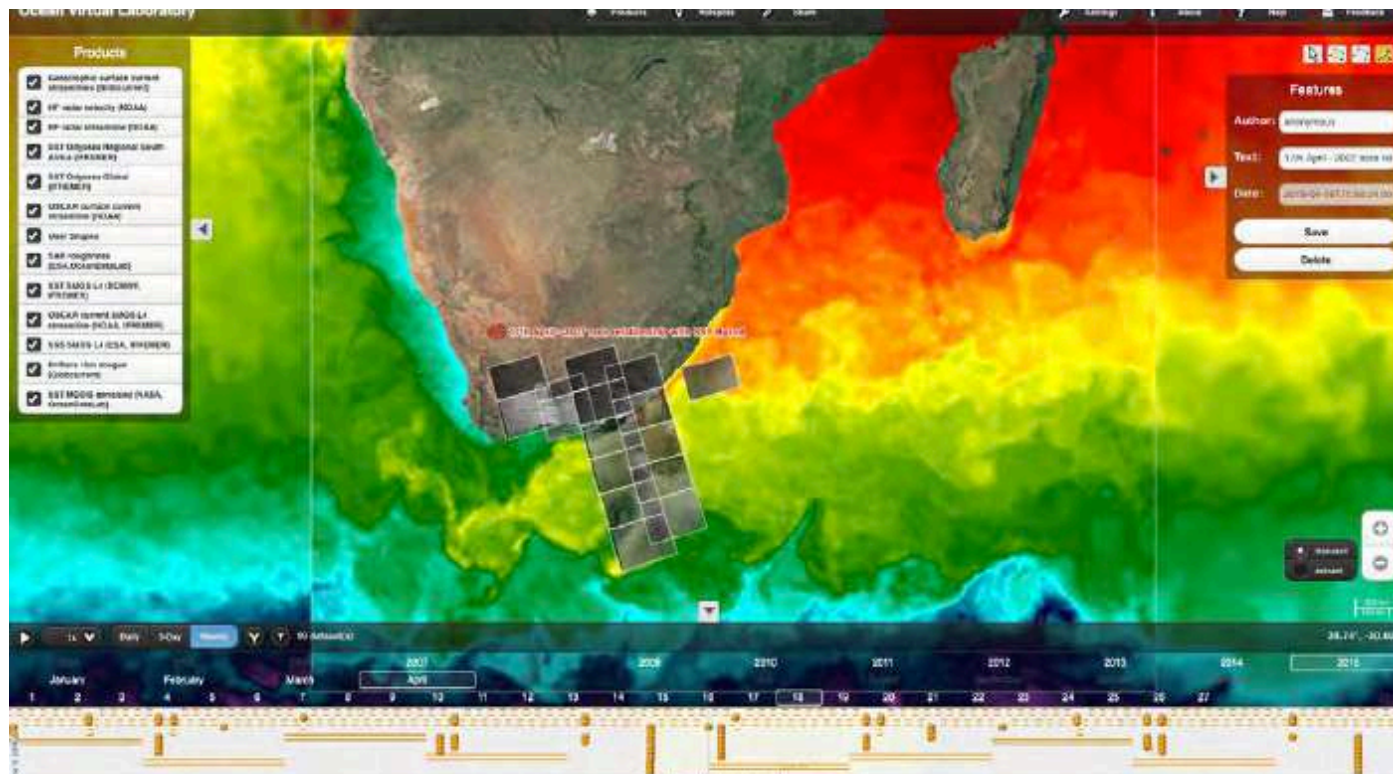


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Example 2 – the Geohazard TEP



Virtual laboratories (Ocean now, more to come)



<https://ovl.oceandatalab.com>

Access to EO data



<https://scihub.copernicus.eu/>



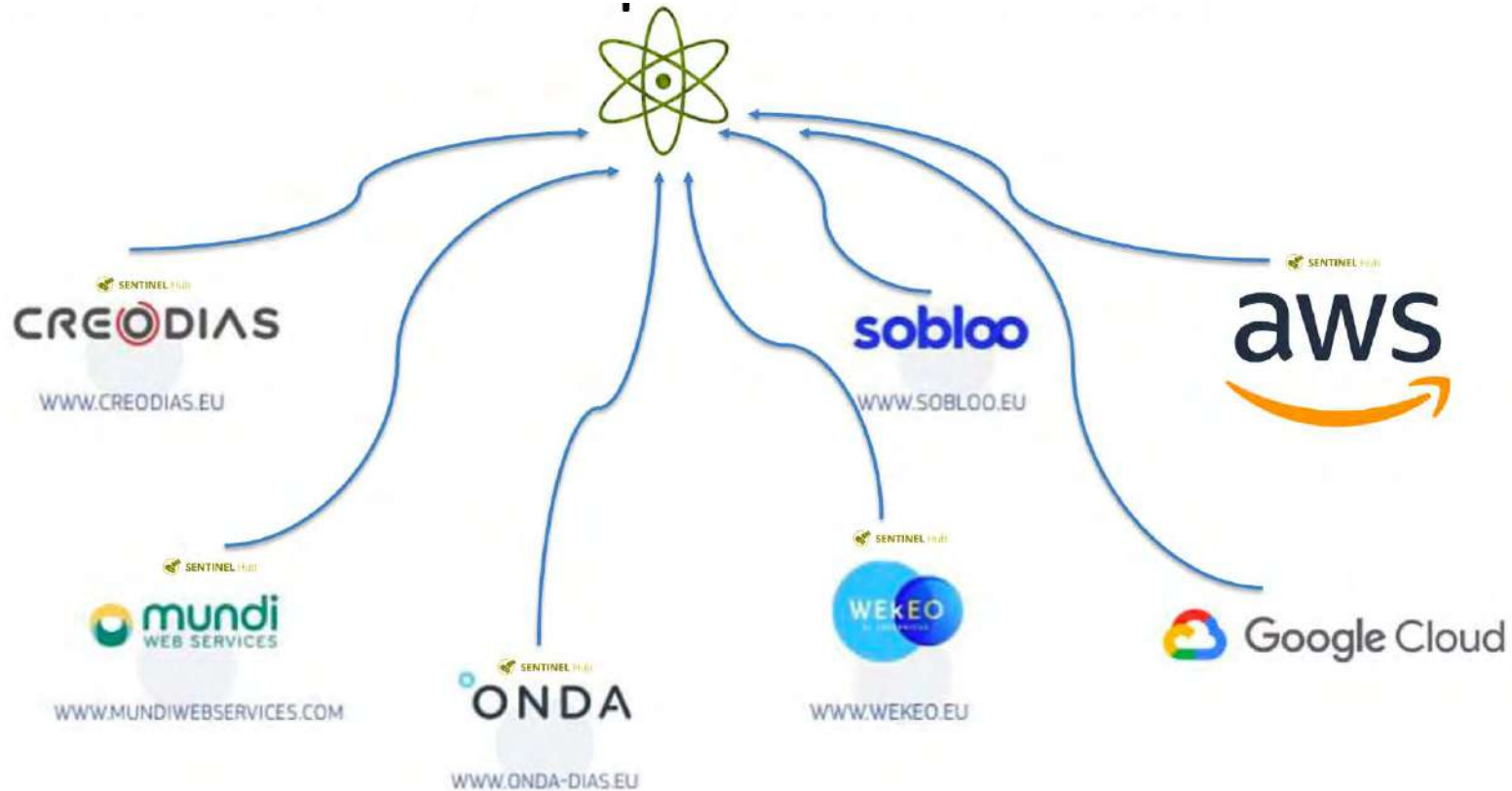
<https://www.sentinel-hub.com/>



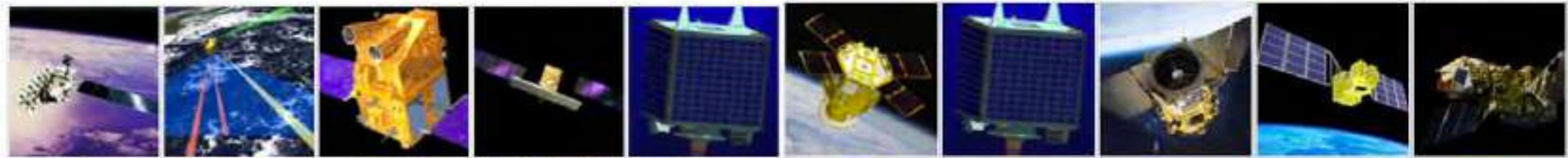
<https://finder.eocloud.eu/>



Resources – Data access and processing



Third Party Missions



ALOS

Aura OMI

CartoSat-1

COSMO-SkyMed

Deimos-1

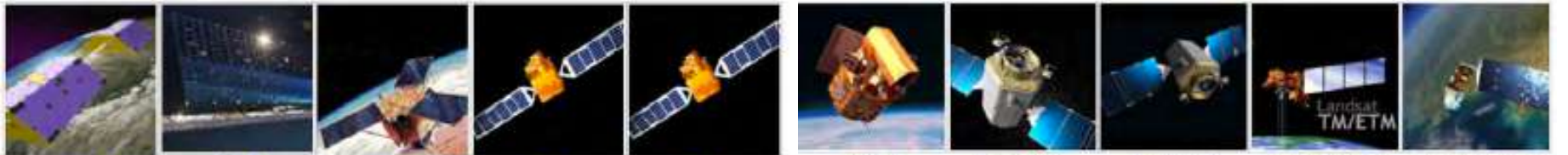
Deimos-2

DMC-1

GeoEye-1

GOSAT

GOSAT-2



GRACE

ICEYE

IKONOS

IRS-1C

IRS-1D

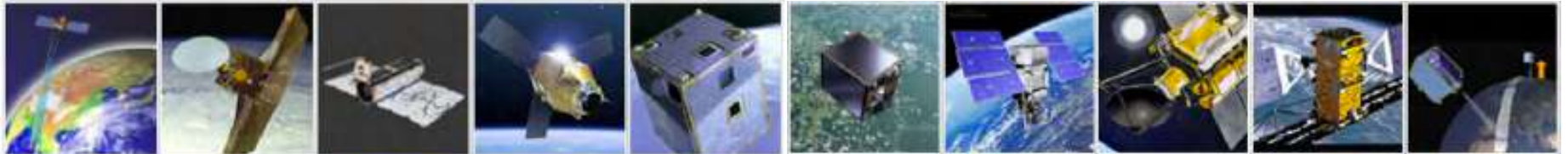
JERS-1

KOMPSAT-1

KOMPSAT-2

Landsat TM/ETM

Landsat OLI/TIRS



OceanSat-2

Odin

PlanetScope

Pleiades-HR

Proba-1

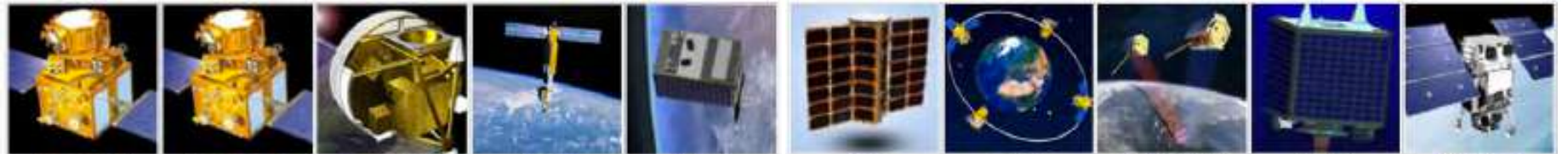
Proba-V

QuickBird

QuickSCAT

RADARSAT-2

RapidEye



ResourceSat-1

ResourceSat-2

SciSat-1/ACE

SeaSat

SkvSat

Spire

SPOT

TerraSAR-X and
TanDEM-X

UK-DMC

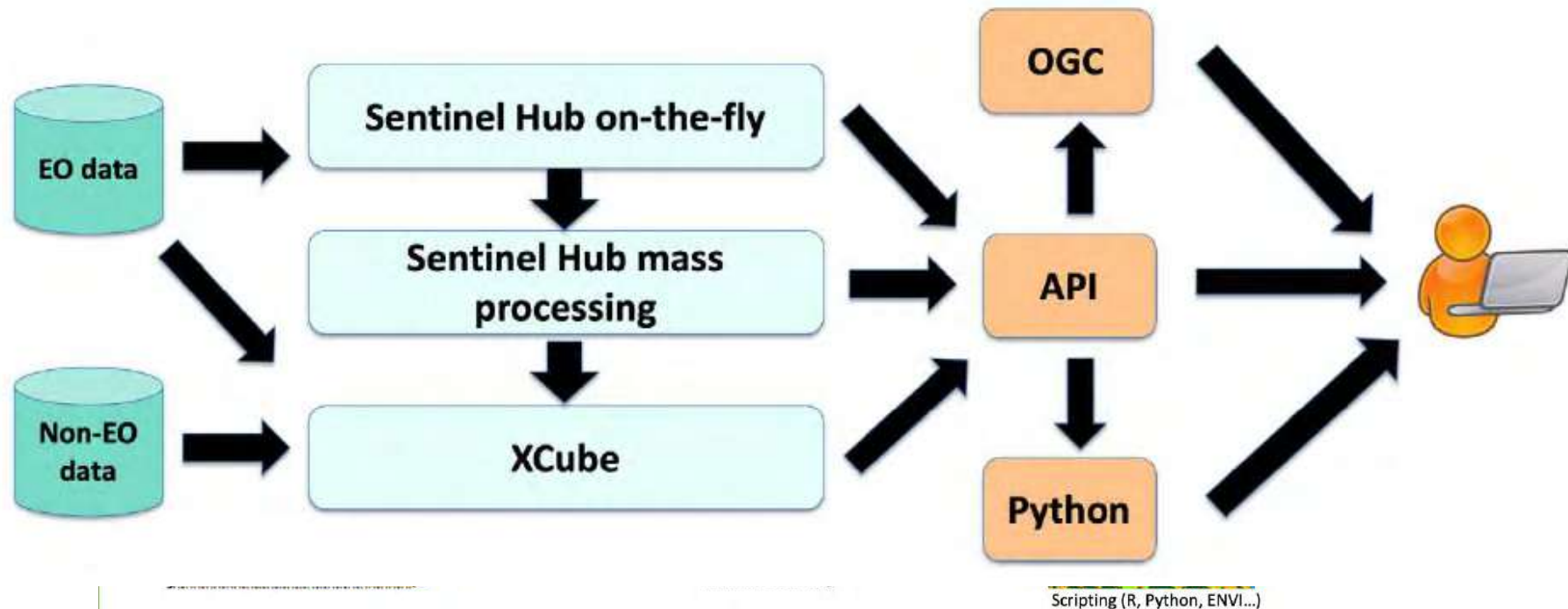
WorldView-1



WorldView-2

WorldView-3

Recently Available– Open Data Cube

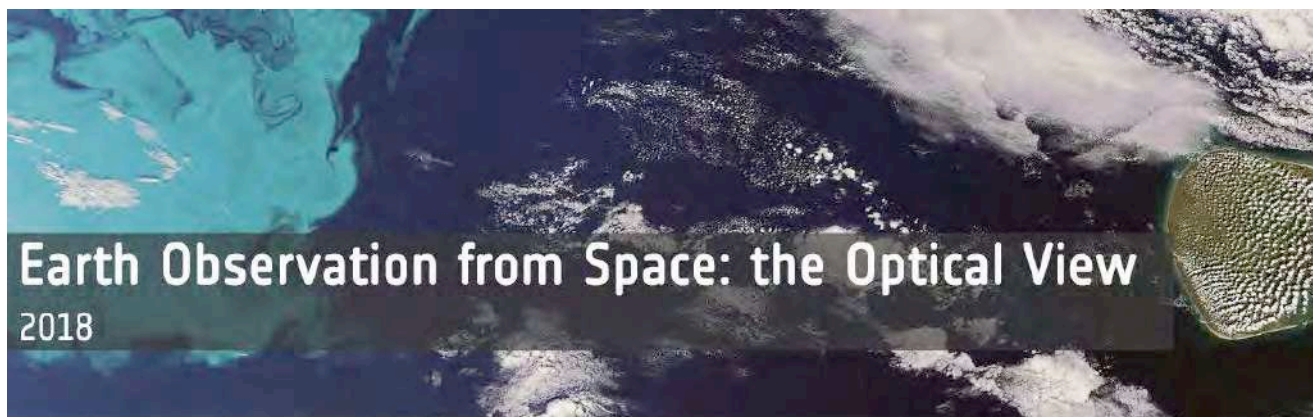


Coming soon (but no interesting pictures yet...)



- ESA Open Engine (open analysis and processing capabilities)
- Video Platform (access to satellite video data)
- Regional virtual platforms:
 - Black Sea/Danube
 - Baltic
 - Alps
 - Atlantic

Training courses - MOOCs



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European Space Agency

Training courses – hands on



**Advanced course on
radar polarimetry
2019**



**Advanced training
course on Land
remote sensing with
the focus on
Agriculture**



Novi Sad, Serbia, 20-24 June 2019

**Trans-Atlantic Training 2019 (TAT-7):
radar and optical remote sensing in
the agricultural and environmental
monitoring**



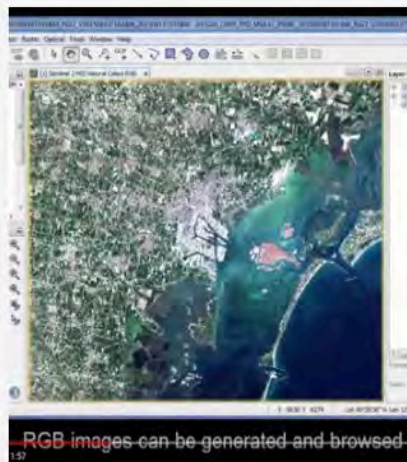
Coming soon - New TATT Mediterranean Training Course

Additional training opportunities



SNAP Toolbox

ESA RUS



STEP and the Sentinel-2 Toolbox

How to process Sentinel-2
data with SNAP tutorial



Use of EO for Geology & Land Subsidence with Sentinel-1: an InSAR demo with Open Tools using RUS service

Face2Face

Tuesday 10th of December 2019 - Wednesday 11th of December
2019

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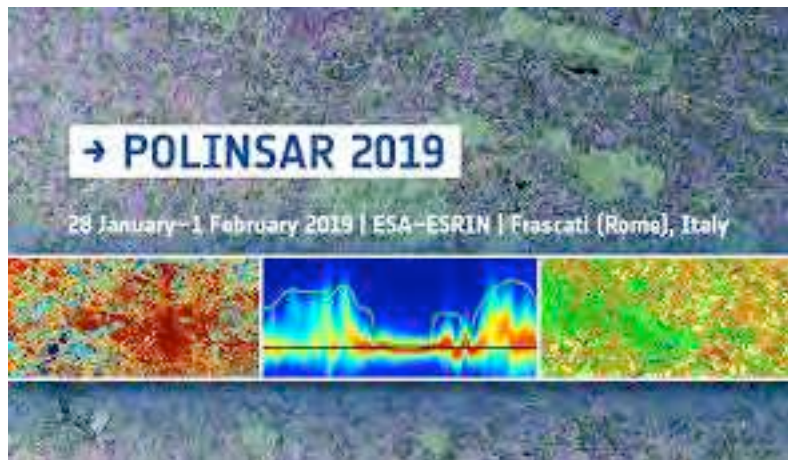
European Space Agency



→ EARTH OBSERVATION SUMMER SCHOOL
Earth System Monitoring & Modelling
30 July–10 August 2018 | ESA-ESRIN | Frascati (Rome) Italy

European Space Agency

Workshops



→ POLINSAR 2019
28 January – 1 February 2019 | ESA-ESRIN | Frascati (Rome), Italy



balkans from space
18-19 April 2018
eu2018bg.bg



→ SEASAR 2018
Advances in SAR Oceanography
7-10 May 2018
ESA-ESRIN | Frascati (Rome), Italy



**→ SECOND MAPPING URBAN AREAS
FROM SPACE CONFERENCE**
30-31 October 2018
ESA-Esrin
Frascati, Rome (Italy)



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Larger scale events



earth observation Φ -week

9–13 September 2019 | ESA-ESRIN | Frascati (Rome), Italy



big data from space

19–21 February 2019 | Alte Kongresshalle | Munich, Germany



living planet symposium

MILAN
13–17 May
2019



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European Space Agency

Thank you for your attention!

<https://eo4society.esa.int/>

Gordon.Campbell@esa.int