



*Foster the growth of the European EO*GI sector
ensuring a workforce with the
right skills, in the right place, at the right time.*



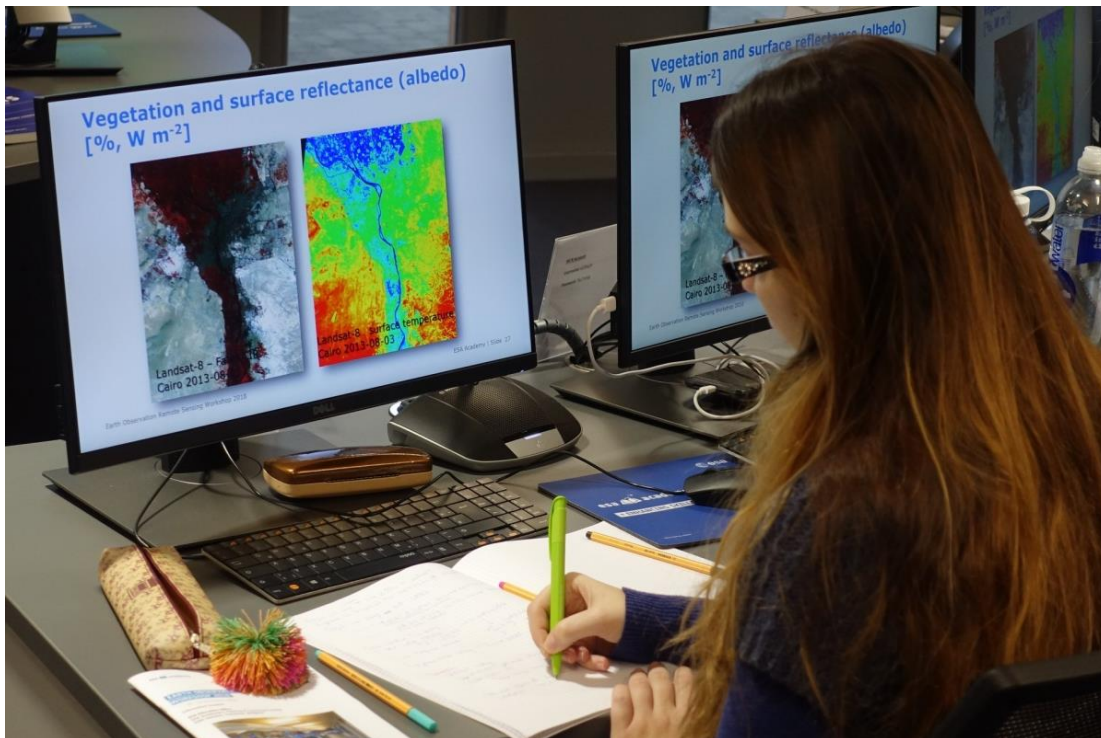
Index

- **Update on project outputs**
- **Knowledge exchange with other initiatives**
- **New Associated Partners in the consortium**
- **EO4GEO Training Actions**
- **EO4GEO Mobility Programme**
- **EO4GEO events**
- **Trending picture**
- **Good reads**

UPDATE ON PROJECT OUTPUTS

A long-term strategy for skills development in the EO*GI sector

Over the past years, EO4GEO has prepared a Sector Skills Strategy for the Earth Observation and Geographic Information EO*GI sector defining not only a vision and mission, but also a set of goals and strategic objectives for skills development in the sector. | [Link](#)



News on the EO4GEO Body of Knowledge

New BoK release

The EO4GEO consortium is proud to announce that a new release of the Body of Knowledge, V6, is about to be released in the first week of October. You will be able to access this new version through our [BoK page on the EO4GEO website](#). This release reflects work done by our network of experts since the V5 release in February.

Once released, the new version of the BoK can be explored in the [BoK Visualization and Search](#) tool or in the Living Textbook tool used by the BoK Editors: [EO4GEO BoK – Master – V6.0](#). All [tools developed in the EO4GEO project](#) automatically make use of this newest BoK version.

For all the information about the BoK, how it is built, how it is used in an ecosystem of tools and how you can contribute to its development, read our dedicated [newsletter](#)!

The screenshot shows the 'Living Textbook' interface. On the left, there is a sidebar with a welcome message: 'Welcome to the "EO4GEO BoK - Master - V6.0" study area.' Below this, it states: 'This is the public release of the EO4GEO Body of Knowledge (EO4GEO BoK). This BoK is work in progress. Please check the concept status (explanations are in the documentation (see below)).' It also provides documentation on how to use the BoK with this Living Textbook. A search bar is visible at the bottom of the sidebar. On the right, a large, complex network diagram is displayed, consisting of numerous green nodes connected by thin lines, representing the relationships between concepts in the BoK.

Dedicated Calls for concepts

The overall development of the BoK is advancing well, but some areas deserve extra attention. For this **we are releasing Calls for experts on specific topics**. In a call for concepts we ask experts in a specific (sub)domain to work on a limited set of concepts to fill a certain gap in the current BoK. At this moment we have released or are preparing Calls for concepts on:

- **Artificial Intelligence (AI):** In parallel with the current BoK release we are working on a better integration and alignment of AI concepts present in different areas of the BoK. Several AI related calls for concepts will be released soon.
- **Standards, Metadata and Data Quality** are also present in several parts of the BoK. A call for concepts will be released soon to update and align the related concepts.
- **Interpolation and analysis of surfaces:** a call for concepts related to this was already sent to selected experts but we are still looking for additional contributors.
- **Web-based GI (web services; resource publishing and discovery):** A call for concepts was already released to update and complement the related concepts already in the BoK. We are still looking for additional contributors.
- **Organisational and institutional aspects:** A call for concepts was already released to update and complement the related concepts already in the BoK. We are still looking for additional contributors

If you are interested to contribute and are not registered yet, we ask you to register here: <http://www.eo4geo.eu/eo4geo-call-for-experts/>. Please mention "call for concepts:" and the specific call for concepts you can contribute to in the motivation field of the registration.

If you are already registered as expert, we kindly ask you to contribute to one of these calls by reacting to the mail related to each call that you received or will receive soon.

We hope to finish these specific calls by the end of the year. Additional calls will be released later.

Call for Experts to contribute in the EO/GI Body of Knowledge



KNOWLEDGE EXCHANGE WITH OTHER INITIATIVES

ATHENA, a university programme launches new paradigms in blended mobility.

The Polytechnic Institute of Porto (P.PORTO) is the biggest polytechnic in Portugal and the top one in the international rankings of Higher Education Institutions. P.PORTO is coordinating **ATHENA**, the European University transforming higher education to assist an inclusive digitalization of societies. | [Link](#)



NEW ASSOCIATED PARTNERS IN THE CONSORTIUM

SIGTE, a service that involves applied research, training, knowledge, and technology transfer

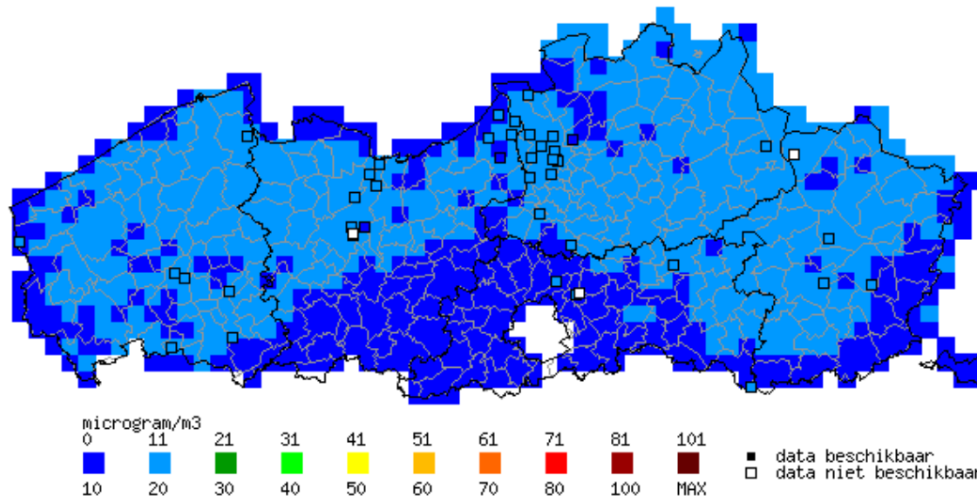
SIGTE, the Geographic Information Systems and Remote Sensing Centre of the University of Girona (UdG), a new associated partner, is a service specialized in the treatment of geographic information and the use and application of the so-called Geo-ICT — information and communication technologies applied to the management of geographic information. | [Link](#)



The Flanders Environment Agency (VMM), for a better environment in Flanders in the water, air and the environmental domains

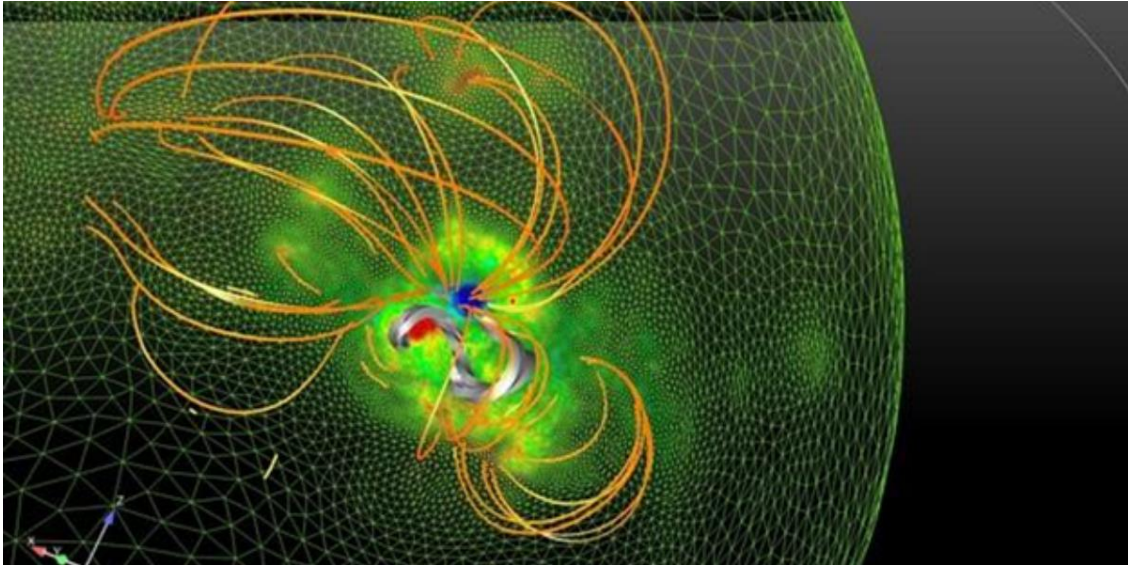
The new EO4GEO Associated Partner VMM is part of the Environment Policy Area of the Flemish government, with a wide range of responsibilities within the domains of water, air, and climate adaptation. | [Link](#)

PM10 (gemiddelde laatste 24u) concentraties op Woensdag 11/08/2021 : situatie om 01h00 (lokale tijd)



The Institute of Hydrometeorology (IHM), a leading research institute in Georgia, focusing on developing and implementing of scientific researches and innovative methods related to Earth Sciences.

The Institute of Hydrometeorology was established in 1953 on the base of Tbilisi Magnetic-Meteorological (Geophysical) Observatory (1844). From 2010 the Institute became the structural unit of Georgian Technical University as independent scientific- research institute. | [Link](#)



RGEO — the EO4GEO partner that leads digital geo-media in modern school education.

To see the world with different eyes — that is the motto of the GIS-Station, the Competence Centre for Digital Geomedia of the Research Group for Earth Observation (rgeo) at the Heidelberg University of Education. The Competence Centre integrates digital geomedia into school lessons. | [Link](#)



The Icon Group, an interdisciplinary geoscience company, is a European leader of earth imaging services.

The Icon Group is a European leader of earth imaging services and is Ireland's largest processor of optical and image data. We are an interdisciplinary

geoscience company, specialized in Earth Observation, Environmental Monitoring, GIS, and Spatial Data Analytics. | [Link](#)



Eurisy, EO4GEO associated partner supporting the development of GI and EO skills.

Eurisy is a non-profit association founded back in 1989 by Hubert Curien, then French Minister of Education.

Eurisy mission is to bridge space and society. To fulfill its scope, Eurisy stimulates and supports dialogue and collaboration between public institutions, SMEs, industry, and academia from space and non-space sectors.

| [Link](#)



EO4GEO TRAINING ACTIONS

Stay tuned for the forthcoming EO4GEO training actions

EO4GEO is organizing a series of webinars, workshops and other training initiatives freely open to the EO community.

Don't miss the opportunity to join one of our events organized by Eo4GEO or our Associated Partners.

Stay tuned for new training events by checking regularly our news sections or the page dedicated to our training actions <http://www.eo4geo.eu/training-actions/>

There you can find information and materials regarding our past events and see the videos or our webinar series.

EO4GEO next training events:

- *EO4GEO MOOC: Landslide affecting Cultural Heritage sites. October/December 2021.*
- *Spark event: Earth Observation and Geographic Information: a crucial tool to monitor and tackle climate change. 26 October 2021.*
- *Webinar: Active fire detection with Sentinel-3 data. 28 October 2021.*
- *Webinar: Solar potential maps at municipal level. 9 November 2021*
- *Project Work: Citizen science and geospatial data. February – March 2022*

HOME THE PROJECT RESOURCES NEWS INTERNSHIPS & JOBS GET INVOLVED

EO4GEO Training Actions

Find here a list of current and past innovative and case-based training actions organized by EO4GEO

Featured training actions

EO4GEO Webinar + Workshop: Heat islands and green infrastructure in urban areas

EO4GEO and Geografiska Informationsbyrån GIB invites you this October 5th and 8th to an **introductory webinar** addressing the issue of urban heat and urban heat islands, and more specifically how to use EO-derived surface temperature maps to identify areas prone to heat stress in the urban environment.

The webinar will be followed by a **workshop** aiming at getting a hands-on experience with the data that is used to assess green infrastructure and heat islands in the urban environment.

[MORE INFORMATION](#)

Upcoming and current events

Heat islands and green Infrastructure in urban areas
October 5th and 8th 2021

Landslide affecting Cultural Heritage sites - Roman Thermae of Baia
October/December 2021

Earth Observation and Geographic Information: a

EO4GEO MOOC: Landslide affecting Cultural Heritage sites - Roman Thermae of Baia

The MOOC offers a learning path for a simple methodology to exploit ground displacement maps derived by satellite radar interferometry (InSAR). The Integrated Application makes use of Copernicus EO data and services to assess the landslide risk affecting the tuffaceous volcano slope on which the Baia Roman Thermae are built on. The Persistent Scatterers processing allows to perform ground displacement analysis focused on the detection of historical and recent landslides, thus helping technicians and site managers to properly address mitigation actions for the best conservation of Cultural Heritage

The course is foreseen to start during **October/December 2021**.

More info [here](#).

The banner features the following elements:

- Logos:** eo4geo, MOOC, ISPRA, parco archeologico campi flegrai, and INGV Sezione di Napoli.
- Illustration:** A satellite in orbit emitting a signal towards the ground.
- 3D Model:** A detailed 3D reconstruction of the Roman Thermae of Baia ruins.
- Displacement Map:** A map showing ground displacement with values such as -0.99 and -0.43. A legend on the right lists displacement ranges from -100 to 100 mm.
- Time-series Graph:** A graph titled 'Scandura villa (AaC)' showing 'Cumulative Displacement (mm)' over time from 2002 to 2020. The y-axis ranges from -20 to 40 mm.

www.eo4geo.eu/training-actions/eo4geo-mooc/

EO4GEO Project work on Citizen science and geospatial data

A new EO4GEO training opportunity is coming soon! In **February — March 2022** SADL, the Spatial Applications Division at KU Leuven, will give students the opportunity to realise a project work on citizen science and geospatial data.

More preliminary info [here](#).

Mijn
Tuinlab.be

Projecten Resultaten Natuurvoordelen Tuintips Nieuws Educatie Over ons



EO4GEO MOBILITY PROGRAMME

Are you a student, a young graduate or a professional willing to gain experience in a working environment?

Would you like to broaden your horizons and gain some new skills in EO*GI, in order to benefit from better opportunities in the job market?

EO4GEO offers a **mobility programme** to meet these needs.

The **mobility programme** promotes internships, project work and even job offers for trainees and professionals in a working environment (international or not).

Check-out the available offers on the EO4GEO web site at <http://www.eo4geo.eu/internship-and-project-work-offers/>

EO4GEO EVENTS

EO4GEO Workshop 21-22 October 2021: Shaping the future workforce of the space/geospatial sector in Poland

NEREUS together with the regions of Mazovia and Podkarpackie (PL) organizes two virtual outreach workshops on **“Shaping the future workforce of space / geospatial sector in Poland: EO/GI Skills needed & EO4GEO solutions”**.

The workshops have the overall objective to promote the EO4GEO sector skills alliance towards the relevant Polish business and academic community but also to get their views on the initiative. Thus, they will introduce the participants to the EO4GEO sector skills alliance, present and debate the Sector Skills Strategy with a particular focus on local and regional authorities and end-users.

- **21st October 09:15-12:20** - *‘Tackling the needs of the Polish business community: an overview of EO4GEO tools in Podkarpackie’* -> [REGISTER HERE](#)
- **22nd October 09:15-12:05** - *‘EO/GI skills development and capacity building in the Polish education (Mazovia)’* -> [REGISTER HERE](#)



TRENDING PICTURE

This year the wildfire season was larger than in previous history, with increased extreme weather caused by climate change (such as droughts and heat waves) strengthening the intensity and scale of fires. This image, acquired by one of the Copernicus Sentinel-3 satellites on 17 August 2021, shows the smoke cloud generated by a wildfire near Megara, about 60 kilometres northwest of Athens



Credit: European Union, Copernicus Sentinel-3 imagery

GOOD READS



Interview with Mr. Rodrigo da Costa, Executive Director, European Union Agency for the Space Programme – Summer 2021, where he speaks how the agency started, its mission and role in the Galileo programme, gives some

examples of actions that have been taken and some success stories, and more. | [Link](#)



5 Satellite Images Show How Fast Our Planet Is Changing: Satellite observations are essential for understanding how our planet is changing and responding to global heating and can do so much more than just “taking pictures” | [Link](#)



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