



Friday 2nd July 2021

EO4GEO High level capacity building Workshop organized by
NEREUS and the University of The Azores (The Azores, PT)
in The Azores /Portugal:

EO4GEO- Skills development in Earth Observation and Copernicus User
Uptake: the present and future of Coastal and Maritime sector
“The Azorean case”

Agenda

09:00	Welcome by the Rector of University of the Azores
09:15	Short Introduction on the workshop’s objectives by NEREUS and Azores Copernicus Academy / University of the Azores; (15 minutes)
09:30	The integration of EO4GEO tools in The Azorean maritime ecosystem: presentations and discussion
09:30	Current and future EO/GI skills needed in the Azorean coastal and maritime sector (round table discussion) moderated by Artur Gil, University of The Azores: <ul style="list-style-type: none"> - Views by LRAs: <ul style="list-style-type: none"> a. “Current state of Marine Spatial Planning (MSP) activities in the Azores: identified needs of EO products, services and workforce” by Pedro das Neves, Regional Director of Sea Affairs; (10 minutes) b. Testimonies by NEREUS regions hosted an EO4GEO workshop (Nouvelle Aquitaine (FR), Mazovia&Podkarparckie (PL)), TBC (10 min) - Views by the Academia: “Local and regional education: new developments on the training material based on needs of the future EO/GI workforce” Ana Martins, Professor at the Ocean and Fisheries Department / OKEANOS R&D group,(15 minutes) - Views by the private sector: “Fostering the Azorean business ecosystem: Employers’ challenges to find the right EO/GI profile in the coastal/maritime sector” by Pedro Freire da Silva, CTO of the EO Lab at Air Centre (10 minutes); - Case based scenarios: capacity building in using marine platforms until the final product by Marine EO specialist and Fábio Vieira, DRCT (5 min) <p>Discussion (15 min).</p>
10:45	EO4GEO Solutions: Presentation and discussion BoK tools and EO tools supporting Copernicus education and training (discussion and interaction with the audience): <ul style="list-style-type: none"> - Introduction; - EO tools by VITO (interaction with sentinel data, tools) by Jeroen Dries <ul style="list-style-type: none"> o A visual introduction to the most relevant Copernicus datasets o Exploratory analysis toolset o Advanced use case demonstration



	<ul style="list-style-type: none"> - BoK tools by Rob Lemmens (University of Twente), Aida Monfort Muriach (Universitat Jaume I), Florian Albrecht (University of Salzburg) <ul style="list-style-type: none"> o The EO4GEO Body of Knowledge and its content for Marine applications o Editing BoK concepts in the Living TextBook o Designing a Marine related course with Curriculum Design Tool o Defining a job offer using Job Offer Tool o Using BoK Matching Tool to find most suitable matches between job offers and curricula
11:45	Discussion with participants
12:45	Hands-on <ul style="list-style-type: none"> • Beginners: https://viewer.terrascope.be • Advanced users: cases in Jupyter notebook
13:15	End of the workshop

Background

Objectives of the Workshop:

The workshop has the overall objective to promote the EO4GEO sector skills alliance towards the relevant Azorean community but also to get their views on the initiative. Thus it will introduce the participants to the EO4GEO sector skills alliance, present and debate the Sector Skills Strategy with particular focus on local and regional authorities and end users. In a nutshell:

- Raise awareness on the EO4GEO initiative to relevant stakeholder communities;
- Promotion of the EO4GEO tools to the Azorean audience;
- Identify current and future needs of EO products/services and human resources in ICZM (Integrated Coastal Zone Management), MSP (Marine Spatial Planning) and coastal/marine economic activities for the Azorean landscape;
- Local capacity building at regional and academic level;
- Feed-back from the Azorean EO-Marine community on the EO4GEO SSS.

Logistics

- Conference language: English
- Date: 2nd July 2021
- Format: Online Workshop
- Workshop style: Online

Workshop comprised of a) the presentation of the EO4GEO initiative and new developments; b) the Coastal/Marine Earth Observation's current status in the Azores at the decision-making support, scientific, educational, operational and business levels; and c) an open discussion between experts and audience to gather input on current and future needs in terms of EO and services that could be fostered, implemented and integrated into the regional strategies.

Target audience

- Representatives from private sector with technical expertise: inUAc (incubator of startup companies based at the University of the Azores), NONAGON (S. Miguel Island) and TERINOV (Terceira Island) Technological



Parks managers; start-ups and companies (fisheries, aquaculture, maritime transports, offshore energy systems, coastal/nautical tourism, ICT)

- AIR CENTRE – EO Lab
- LRAs (Representatives of Azorean City Councils + Regional Directions of Sea Affairs, Fisheries, Science and Technology, Environment, Tourism, Civil Protection, Energy)
- Sectorial End-users (Representatives of fishermen associations, LRAs, coastal/nautical tourism associations, Environmental NGOs);
- Representatives of law enforcement corporations (Portuguese Navy, Maritime Police);
- Research Centres & Academia;
- Representatives from Copernicus-Academies and Copernicus-Relays.

The workshop is as an outreach activity embedded in the ERASMUS+-funded initiative **EO4GEO** (*Towards an innovative strategy for skills development and capacity building in the space geo-information sector supporting Copernicus user uptake*). As an Erasmus+ Sector Skills Alliance supported by EACEA (The EU Education EU Education, Audio-visual and Culture Executive Agency) under the Blueprint for Sectoral Cooperation on Skills schema, **EO4GEO** gathers 26 partners from 13 EU countries, most of which are part of the Copernicus Academy Network. Be they from academia, public or private sector, they are all active in the **education and training fields of the space / geospatial sectors**. The project involves also a strong group of **Associated Partners** mostly consisting of associations or networks active in space/geospatial ecosystem. The project started on January 1st, 2018 with a project duration of 4 years.

EO4GEO aims to help bridging the skills gap in the space/geospatial sector by creating a strong alliance of players from the sector/community reinforcing the existing ecosystem and fostering the uptake and integration of space/geospatial data and services. EO4GEO works in a multi- and interdisciplinary way and will apply innovative solutions for its education and training actions including: case based and collaborative learning scenarios; learning-while-doing in a living lab environment; on-the-job training; the co-creation of knowledge, skills and competencies; etc.

NEREUS is a European network of regions, currently comprised of 23 Member regions and 35 Associate members. The mission of the network is to spread the use and understanding of space technologies, in particular space based information. NEREUS offers its members a platform for networking and sharing information and knowledge but also to mobilize model projects and learn more about the potentials of space.

The University of the Azores is a Portuguese university created in 1976 and located in the Archipelago of the Azores, a Portuguese archipelago and European Outermost Region located in the Atlantic North, between Europe and America. It is organized in three campi located in different islands (Ponta Delgada campus is in S. Miguel Island; Angra do Heroísmo campus is in Terceira and Horta campus is in Faial). Inspired in the natural biodiversity and beauty of the islands, in their geographic location and geological features, the University of the Azores is committed to creating and promoting knowledge and technology on biodiversity, volcanology, tourism, marine and transnational issues, history and cultural features of the islands. Its universal values and long history of emigration favor partnerships with more than 500 universities and research centers all over the world. The University of the Azores offers a significant number of license programs, masters, and doctorates, as well as different mobility opportunities, summer courses and internships.