OceanTeacher Global Academy Training Workshop

Supporting Marine EO Educators: professional development, knowledge exchange and networking workshop

30 August – 17 September 2021

Course information

Duration and format
This is an online event with asynchronous and synchronous sessions. The estimated workload should be 5-8 hours/week, up to 25 hours in total across the 3 weeks. The live sessions will include round table knowledge exchange sessions, allowing participants to share their EO teaching experiences.

Venue
IOC/OTGA e-Learning Platform

Trainers
Lauren Biermann (EUMETSAT/PML)
Oliver Clements (EUMETSAT/PML)
Hayley Evers-King (EUMETSAT)
Fabrice Messal (CMEMS/Mercator Ocean)
Greg Reed (IOC/IODE)
Others to be announced

Period for Applications
25 May – 29 June (17:00 CEST)

To apply
Please fill the **online application** form: https://bit.ly/3oSD8nl

More information
https://www.oceanexpert.net/event/3064

No tuition fee applies.

Contact
OTGA Secretariat (ioc.training@unesco.org) and Copernicus (copernicus.training@eumetsat.int)

The purpose of this training workshop is to share knowledge, skills, resources and code so that attendees are independently able to train others on available EO tools. During the course, participants will work on creating their own (learning) artifact. This is an interactive knowledge exchange workshop, not a technical training event.

Aims and Objectives

Supporting of marine EO educators, trainers and teachers through the sharing of materials, experiences and lessons learned. This is aimed as a knowledge exchange between peers who have, or will have, training responsibilities.

Learning Outcomes

At the end of the course, learners should be able to/will have the skills to:

- Teach the use of Copernicus Sentinel-3 and CMEMS data for marine applications, covering the use of sea surface temperature, altimetry and ocean colour data, as well as downstream products and model outputs.
- Show others how to access the Copernicus Marine Data through online portals, APIs and other methods.
- Explain the concepts of data quality (including basic principles of validation) and selection of appropriate products when helping students design workflows.
- Understand the use of the following tools in training – SNAP, Remote Sensing Digital Teaching Tool, Git, Python (and Jupyter notebooks), cloud computing (WEkEO).
- Select and adapt existing resources and develop new resources for their own training activities.

Target Audience

This workshop is intended to university teachers, mentors and tutors, as well as staff from National Oceanographic Data Centres and marine research/management institutions with EO-related training responsibilities.

Note: UNESCO is committed to promote equal access principles. Applications from minority or underrepresented groups are strongly encouraged.

Pre-requisites

Applicants must currently (or in very near future) have training or teaching responsibilities on marine EO: e.g. a university lecturer, a team manager responsible for in-house training, a research supervisor, a freelance consultant who runs customised training courses.

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