

OceanTeacher Global Academy (OTGA) Training Course: Discovery and Use of Operational Ocean Data Products and Services 29 July – 2 August, 2019, Kenya & Mozambique



Overview

This course will provide knowledge and hands-on experience on the data, satellites and instrumentation, access and formats, tools and software for operational activities. A pre-course phase will provide an essential overview of data, products and tools used to monitor the ocean and will focus on preparation for the classroom phase where students will work on a short project to gain hands on experience on the data and its applications.

The participants will gain practical skills on how to access open source oceanographic data (WOCE, ARGO), and processing them using Ocean Data View (ODV) and Integrated Data View (IDV). Further, the participants will gain valuable insights and acquire skills on identification, acquisition and processing of open source satellite data available from NASA and Copernicus - satellite altimetry, MODIS and SeaWiFS imagery, using Bilko and Q-GIS.

Aims and Objectives

- Introduction to methods to access and download data and products used in operational oceanography.
- Understanding of data and products to be used for specific applications.
- Understanding of key types of satellite measurements used to monitor the ocean.

Learning Outcomes

- Introduction to a wide range of data and products to improve marine analysis
- Overview of airborne and satellite data available for marine and coastal research
- Awareness of data processing and file formats
- Use of tools to access and visualize data scripting languages to work with marine satellite data

Target Audience

The target audience includes, but is not limited to, the following:

- Researchers with an interest in working with satellite based and real time ocean observation data
- Ocean and coastal data managers
- PhD students and Post-Docs

NOTE: priority will be given to participants originating from the African continent and Adjacent Islands. UNESCO is committed to promote gender equality: applications from women are strongly encouraged.

Course Pre-requisites:

- Background on oceanography.
- Experience with computer programming languages will be an advantage.
- Good working knowledge of English and/or Portuguese.
- Participants need to bring own (laptop) computer to work during the course.

A Certificate of Participation will be issued to all successful students.

For more detailed information check the event details on <https://www.oceanexpert.net/event/2425>

The organisers thank the support of the Portuguese Hydrographic Institute for the support to this course.

Course dates:

29 July – 2 August, 2019

Duration: 5 working days

(~ 30 hours classroom sessions, plus eventual pre course online assignments)

Course Venues:

- KMFRI, Mombasa, Kenya and
- Eduardo Mondlane University, Quelimane & Maputo, Mozambique

The course will be held in English and Portuguese

Instructors:

- Noah Ngisiane
- Harrison Ong'anda
- Antonio Hogueane
- Noca da Silva
- Clousa Maueua
- Sinibaldo Canhanga
- Luisa Lamas
- Others to be advised

Period for Applications:

6 May – 2 June, 2019

Application process:

Please fill in the online application form:

- for RTC Kenya <https://bit.ly/2Y0jpTV>
- for RTC Mozambique <https://bit.ly/2vxYpYi>

All information on how to apply on:

<http://bit.ly/2ACZY9r>

No tuition fee applies. A limited number of fellowships is available.

Contacts:

- OTGA RTC Kenya: Harrison Onganda (honganda@kmfri.co.ke)
- OTGA RTC Mozambique: Antonio Hogueane (hogueane@yahoo.com.br)
- OTGA Secretariat: ioc.training@unesco.org

Useful sites:

www.ioc-cd.org
www.iode.org
www.oceanteacher.org
www.oceanexpert.net