

OceanTeacher Global Academy (OTGA)

Training Course: Data Visualization of Marine Met data (using FERRET)

27 – 31 August, 2018, Hyderabad, India

Overview

Data visualization is the science of describing the significance of data by placing it in a visual context. In the current scenario it is very useful for dealing with marine met data as patterns, trends and correlations that might go undetected in text-based data can be exposed and recognized easier with data visualization software.

The current course will demonstrate the use of open source software FERRET for generation of NetCDF data and visualize various types of plots, save and reuse them at a later stage. The course is designed to be a mix of both practical and theoretical sessions.

Aims and Objectives

- Provide an exposure to Data Visualization using FERRET.
- Generation of scripts to visualize various types of data sets (1D, 2D, 3D etc).
- Perform data analysis, generate added value products.

Learning Outcomes

- Knowledge and understanding of FERRET software.
- Generation of different types of JNL scripts for visualization and analysis.
- Able to visualize data set viz., *in situ*, remote sensing and model outputs.
- Tools for visualizing different types of ocean data and data products.

Target Audience

Target audiences include, but are not limited to, the following:

- Ocean and atmosphere data managers.
- Researchers intending to use data products for scientific analysis.
- Research scholars at various universities.

NOTE: priority will be given to participants originating from the **Indian Ocean Rim** countries. UNESCO is committed to promote gender equality. Therefore, applications from women are strongly encouraged.

Course Pre-requisites:

- Candidates should have knowledge of data formats in which most of the oceanographic data sets are available;
- Candidates should be preferably working in institutions responsible for the management of oceanographic and/or atmospheric data;
- Good working knowledge of English;
- Participants should preferably bring their own laptops.

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

Course dates:

27 – 31 August, 2018

Duration: 5 working days

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

Course Venue:

INCOIS, Hyderabad, India

Lecturers:

- Dr TVS Udaya Bhaskar
- Dr Hari Kumar
- Dr Suprit Kumar.
- RUVN Satish
- J Pavan Kumar

Period for Applications:

01 May – 6 June 2018

Application process:

Please fill in the online application form on

<https://otga.wufoo.com/forms/q1thdmdf0o5llue/>
or <https://bit.ly/2HHjIPL>

All information available:

<https://www.oceanexpert.net/event/2279>

and how to apply here: <http://bit.ly/2ACZY9r>

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

Contacts:

OTGA India Regional Training Centre Coordinator:

Dr TVS Udaya Bhaskar itcocean@incois.gov.in)

OTGA Coordinator: Dr. Claudia Delgado

c.delgado@unesco.org)

Useful sites:

www.iode.org

www.oceanteacher.org

www.oceanexpert.net

<http://www.incois.gov.in/portal/ITCOcean.jsp>