

OceanTeacher Global Academy (OTGA)

Training Course: Marine GIS for Operational Oceanography

14 - 18 December, 2015: Hyderabad, India

Overview

The course provides an overview and hands on GIS applications pertaining to operational geospatial services pertaining to oceanography and coastal zone using ArcGIS software. This comprises the data acquisition, processing, analysis and interpretation of spatial data and generate the specific thematic inputs to marine and coastal programs.

Aims and Objectives

- To Provide an introduction to GIS for marine applications
- Utilization of open source spatial data
- To provide hands on GIS applications pertaining to ocean and coast

Learning Outcomes

- Knowledge and understanding of GIS, spatial data, raster and vector models
- Core tasks involved in the GIS analysis process including data acquisition, management, manipulation and analysis, and presentation and output
- Core functionality of ArcMap, Arc Catalogue and Arc Toolbox
- Creating and editing spatial data
- Awareness of coastal and marine GIS data applications

Target Audience

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

- Ocean and coastal data managers
- Staff and researchers working on marine GIS applications
- University graduates

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 a working knowledge of marine data and formats and preferably be working in institution which is responsible for the management of marine data
- This training course is not an introduction to GIS so candidates are expected to have some previous experience in the use of GIS
- Working knowledge of English

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

Course dates:

14 – 18 December, 2015

Duration: **5 working days**

(~ 30 hours classroom sessions)

Course Venue:

INCOIS

Hyderabad, India

Lecturers:

R. S. Mahendra

N. Kiran Kumar

P. C. Mohanty

Sai P. Bharadwaj

Jyoti Nayak

Application process:

Please send the completed

Application Form together with CV

and endorsement letter no later

than 15 November 2015 to both:

Claudia Delgado & B.

Madhusudhana Rao

using the subject **'OTGA-INCOIS**

Marine GIS for Operational

Oceanography Application'

OTGA Coordinator:

Dr. Claudia Delgado

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OTGA India Regional Training

Centre Coordinator:

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Useful sites:

www.iode.org

www.oceanteacher.org

www.oceanexpert.net

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