

OceanTeacher Global Academy (OTGA)

Training Course: Marine GIS Applications for Integrated Coastal Zone Management

26 – 30 November 2018, Oostende, Belgium

Overview

This course will focus on *integrated* coastal zone management, in the sense that it needs to take on board the ecological, environmental, social and economic aspects of managing a coastal area or zone. The course provides an overview and hands approach on GIS applications necessary towards integrated coastal zone management including the data acquisition, processing, analysis and interpretation of spatial data. Participants will develop and build their own case study and make a short presentation at the end of the training course.

Learning Outcomes

- Understand the fundamental aspects of ICZM/ICAM
- Awareness of coastal GIS tools and applications for use in the context of ICZM
- Awareness of data available for ICZM
- Awareness of the IOC approach to Marine Spatial Planning

Course Topics

- Integrated coastal zone management and land-sea interaction: concepts and definitions
- ICZM/ICAM: origin and evolution of the concept: global (ICAM - IOC) and EU context (ICZM in EU ICZM Demonstration Programme and ICZM Recommendation): non-binding legal instrument
- ICZM/ICAM and LSI: processes and approaches
- IOC approach to Marine Spatial Planning
- Current status in the EU context
- Illustration of concepts and processes by means of practical example: the case of Belgium with its federated structure.
- GIS tools for ICZM

Target Audience

Target audience includes, but not limited to, the following:

- Ocean and coastal data managers
- Staff and researchers working on marine GIS applications
- University graduates
- marine researchers and postgraduate students (MSc and PhD students);
- Professionals with interest or new responsibilities in working with marine data and/or information for coastal zone management;

NOTE: priority will be given to participants originating from the **Europe and North Africa** (Mediterranean) region/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 institutions responsible for the management of marine data;
- The training course is not an introduction to GIS: candidates are expected to have some previous experience in the use of GIS;
- Need to bring own laptop;
- Working knowledge of English.

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

Course dates:

26 – 30 November, 2018

Duration: 5 working days

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

Course Venue:

UNESCO/IOC Project Office for IODE,
Oostende, BELGIUM

Lecturers:

Greg Reed (IOC/OTGA)
Kathy Belpaeme (PAK)
Lennert Schepers (VLIZ)
Thomas Tyberghein (VLIZ)
Thomas Verleye (VLIZ)
Roger Longhorn (IODE/ICAN; GSDI
Association)
IOC/MPR
Plus others to be announced

Period for Applications:

19 September – 17 October 2018

Application process:

Please fill in the online application form on

<https://otga.wufoo.eu/forms/r10vef0c05h9hum/> or <https://bit.ly/2QNOyr0>

All information available on

<https://www.oceanexpert.net/event/2134> and how to apply on

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

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

Contacts:

OTGA Secretariat: training@iode.org

Useful sites:

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