



## OceanTeacher Academy Training Course: Marine and Coastal Atlas Development 2012 5 - 9 November 2012, Oostende, Belgium

### Overview

This course will focus on the development of an interactive web-based marine atlas. Participants will prepare a prototype atlas using MapServer, an open source development environment for building spatially-enabled internet applications. A customized web-enabled extension will be used as the atlas interface to MapServer. Participants will be required to prepare products and related metadata records for a wide range of data layers essential for the development of the atlases, including both local and regional data in order to test the functionality of their products.

### Target Audience

Earth scientists (preferably with marine or marine-related backgrounds) with responsibility for developing or enhancing national or regional marine atlases.

### Learning Objectives

- To introduce the Atlas Developer to an open source software application to build spatially-enabled internet applications and publish maps.
- To build an interactive map application demonstrator for a Marine Atlas

### Course Prerequisites

Students will need to have completed one of the following Ocean Teacher Academy courses:

- Introduction to Marine GIS with SAGA
- Marine GIS Applications (ArcGIS)
- or have completed appropriate GIS training and have experience in the use of GIS.

Students will be required to successfully complete pre-course data preparation before final confirmation of acceptance.

### Topics to be included:

- Review of GIS Formats and Product Specifications
- Review of Coastal & Marine Data Typology
- Generation of raster images and GIS-ready files
- Formatting of vector data in shapefile and other formats
- Assessment of Individual Data Collection Results
- Introduction to metadata (standards, tools)
- OGC Catalogue Service for the Web
- Mapserver Installation and customization
- Rendering Legends for Mapserver
- Introduction to Integrated Coastal Atlas Network
- Web-enable extension demonstration and installation
- Prepare Atlas Prototype Application

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

Course dates:  
5 – 9 November 2012

Duration: 1 week

Course Venue:  
UNESCO/IOC Project Office for IODE  
Wandelaarkaai 7/61  
B-8400 Oostende  
BELGIUM

Lecturers:  
Greg Reed (lead)  
Murray Brown

Application info:  
<http://classroom.oceanteacher.org/mod/page/view.php?id=2034>  
(includes Application Form for download)

Period for Applications:  
18 June – 20 July 2012

Course Fee: 650,-EUR  
A limited number of both full and co sponsorship fellowships are available. Fee includes training materials, coffee breaks and lunch.

Training Coordinator  
(contact for applications):  
Claudia Delgado  
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Useful sites:  
[www.iode.org](http://www.iode.org)  
[www.oceanteacher.org](http://www.oceanteacher.org)  
[www.oceanexpert.net](http://www.oceanexpert.net)