


**INTERGOVERNMENTAL OCEANOGRAPHIC COMMISSION
(of UNESCO)**
**Twenty-second Session of the IOC Committee on International Oceanographic
Data and Information Exchange (IODE-XXII)**
Ensenada, Mexico, 11-15 March 2013

**OceanTeacher Academy activities and other related
Training Activities**

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ISSUES TO BE DISCUSSED

The Committee will be invited to review the implementation status of the OceanTeacher Academy work plan.

DECISIONS/ACTIONS REQUIRED FROM THE COMMITTEE

The Committee is requested to contribute to OceanTeacher by making available national experts as lecturers or content providers and to make use of the OceanTeacher training materials for staff members of data and information management centres who require training. Member States are invited to consider hosting regional OceanTeacher training activities.

APPENDIX: DRAFT TEXT FOR INCLUSION IN THE SUMMARY REPORT OF IODE-XXII

6.1 OceanTeacher and Training Activities

1 *This agenda item was introduced by the OceanTeacher Training Coordinator, Ms Claudia Delgado. She provided an overview of activities organized by the OceanTeacher Academy (OTA) during the period April 2011 – March 2013.*

2 *She recalled that the OceanTeacher is the cornerstone of the IODE capacity building programme and its main aim is to support all IODE training activities by providing training tools for data and information management. OceanTeacher is a comprehensive web-based training system that supports Classroom training (face-to-face), Blended training (combining classroom and distance learning), online tutoring and online self-learning. The OceanTeacher Academy (OTA) (as a collection of OceanTeacher training instances) offers a programme of courses related to oceanographic data and information management and the development of related products and services. It started its first academic year in 2009-2010. The OceanTeacher project, funded by the Government of Flanders through the "Flanders-UNESCI Trust Fund for Science" will end on 31 December 2013.*

3 *Ms Claudia Delgado reported that the IODE Steering Group for*

OceanTeacher met in Miami, Florida, between 11-15 April 2011 for its Second Session and she referred to the Report IOC/IODE-SG-OT-II/3 http://iode.org/index.php?option=com_oe&task=viewEventDocs&eventID=873]. During this meeting several strategic long-term decisions were agreed upon, namely: 1) focus on blended learning; 2) have/keep updated a catalogue of courses ready to be delivered at any time; 3) fully sponsor one applicant from each MS and co sponsor other participants from the same MS to attend a training course; 4) survey MS training needs yearly; 5) increase the number of accredited training courses; 6) establish one training course per ODIN; 7) achieve at least 20-30% self sponsored students and seek co-funders and 8) actively promote OT and OTA.

4 *Ms Delgado then provided statistics related to events organized by the OceanTeacher Programme in 2011 and 2012, which showed an increase in 2011 and slight decrease in 2012 in the number of participants. However, the number of participants is still at the same level as in 2009, averaging 180 participants each year.*

5 *Ms Delgado informed the Committee that OceanTeacher now includes 5 trainers and 4 content contributors in data management, 11 trainers and (the same as) content contributors in marine information management, and 4 trainers and content contributors in interdisciplinary fields.*

6 *Ms Delgado provided an overview of OceanTeacher events and participants between 2005-2012, with number of participants averaging nowadays 180 attendees per year. A detailed view of OceanTeacher participants at the IODE Project Office and elsewhere was also provided: although the majority of the OT participants travel to Ostend to attend a training course, the number of participants on training activities elsewhere is 30% of the total participants. She recalled the growing importance of co-sponsorship, as a means to allow more participants on OT training activities, and also a way for MS to demonstrate their willingness to become active actors on their own Capacity Building. In 2011, only 4 participants found a means to co-sponsorship their attendance to an OT course, while in 2012 this number raised to 14 participants.*

7 *Ms Delgado reported on the growing collaboration with other programmes:*

8 *(i) Between 2011 and 2012, the Harmful Algal Bloom (HAB) uploaded contents for four training course to the OceanTeacher site. Other HAB courses are expected during 2013.*

(ii) The International Tsunami Information Centre (ITIC) uses the OceanTeacher platform for its Tsunami Awareness training courses.

9 *(iii) EUMETSAT, SeaDataNet-2 and Pegaso are using the OceanTeacher facilities for their training activities*

10 *Ms Delgado then introduced the new concept "Global Classroom". She explained that while the IOC Project Office for IODE in Oostende, Belgium had been an excellent and widely appreciated venue for courses, the distance that some participants had to travel and the short duration (one week) of the courses made that they could often not participate in the best possible condition (jet lag). In addition the cost and maximum of 20 participants/course limited the number of participants/country to 1-2. It was therefore suggested to establish regional training centres that would limit travel (and cost), enabled more focus on local priorities and could also address the language problem (all courses are now taught in English). Nevertheless by using advanced video conferencing technology some courses could be taught in Oostende and then transmitted to other locations. This was conceptualized as the "OceanTeacher Global Classroom". A first experiment was organized for the "Training course on Marine-GIS" with simultaneous participation from two locations: the IOC Project Office for IODE, Oostende, Belgium and INCOIS, Hyderabad,*

India. In addition on several guest lecture sessions had been organized using Webex in other courses, where the lecturer did not travel to Oostende. A small-scale project proposal was submitted to FUST for implementation in 2013.

11 *Ms Delgado informed the Committee that due to increased travel and per diem costs the number of courses that can be organized in 2013 from the OceanTeacher Academy project budget will be limited to two. Additional courses will be funded from the Flanders direct contribution to the Project Office in Oostende. A new proposal for the OceanTeacher Academy for the next period (2014 - 2018) will be submitted to FUST by mid-2013. Ms Delgado called on IODE experts to contribute more actively as lecturers or content providers.*

ANNEX A provides an overview of OceanTeacher Academy statistics (2011-2012)

ANNEX B provides a detailed list of events organized by the OceanTeacher Academy between April 2011 and December 2012

ANNEX C provides a list of OT events planned at the IOC Project Office for IODE between April 2013 and December 2013

Annex A.

Table 1 and Figures 1 - 3, on OceanTeacher Academy statistics

Table 1: statistics on events/participants IODE 2011-2012

	2011	2012	2011+2012
<i>Training Courses (held at the PO, Oostende, Belgium)</i>	9 (203 participants)	7 (177 participants)	16 (380 participants)
<i>Training courses held elsewhere</i>	6 (108 participants)	3 (58 participants)	9 (166 participants)
<i>Totals</i>	15 (311 participants)	10 (235)	25 (546 participants)

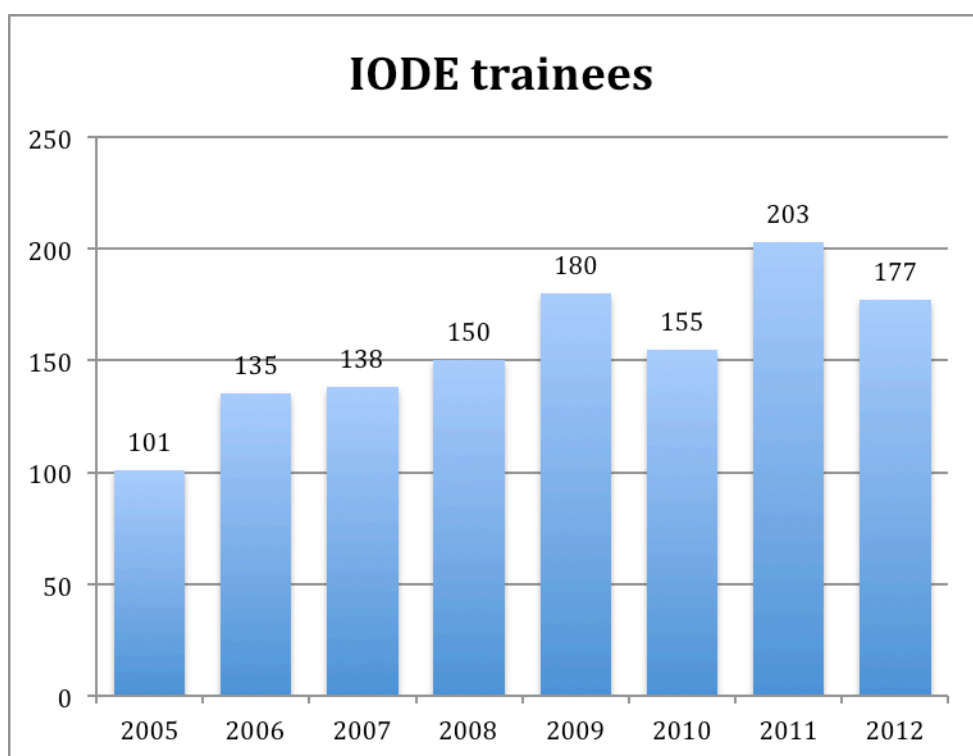


Figure 1: Number of participants at events organized by OceanTeacher (2005-2012)

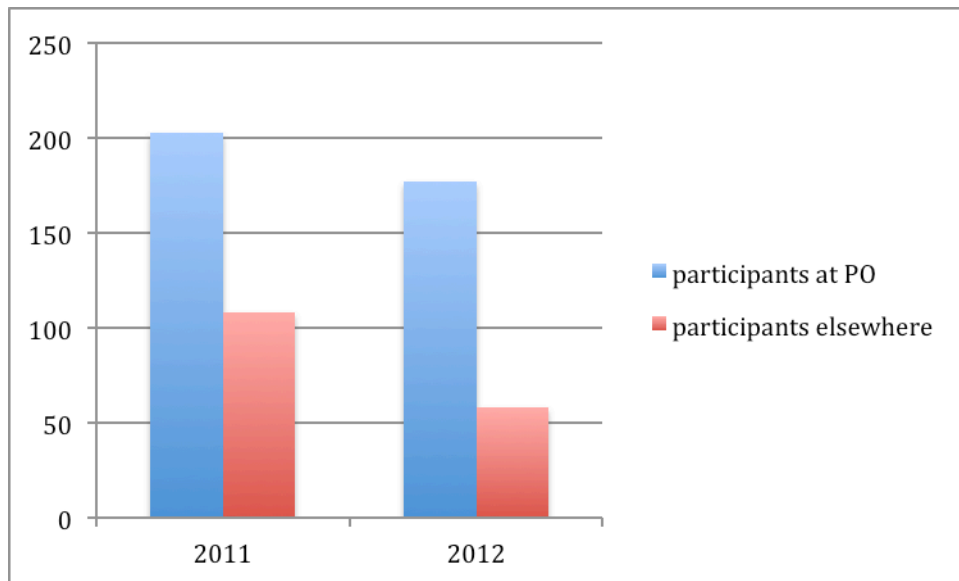


Figure 2: Number of participants on events organized by OceanTeacher at the PO and elsewhere (2011-2012)

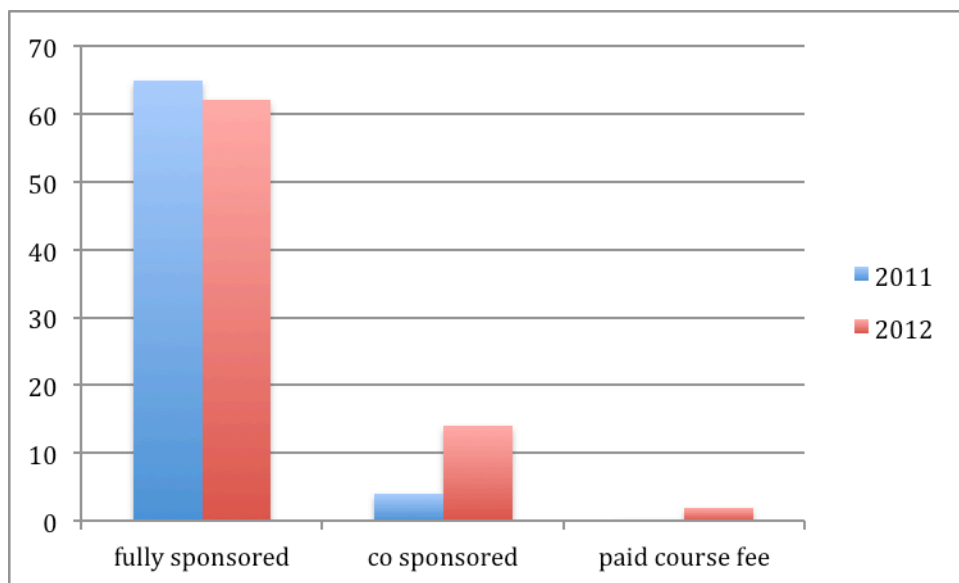


Figure 3: Number of participants 1) fully sponsored, 2) co-sponsored and 3) able to pay a course fee at OceanTeacher training activities organized at the IODE Project Office (2011-2012).

Annex B.

Detailed List of events organized by the OceanTeacher Academy between April 2011 and December 2012

Note: events marked red are event organized by other organizations but in which an IODE staff member participated.

CODING: TO=Training course in Oostende; MO=meeting held in Oostende; TE=Training course held Elsewhere; ME=meeting held elsewhere.

Date	Event title	Venue	Number of participants	type
2011				
14-18 February	ODINAFRICA Training Course on Coastal and Marine Atlases	Oostende, Belgium	9	TO
1-4 March	Upgrade Black Sea SCENE Training Workshop	Oostende, Belgium	68	TO
4-15 April	Accredited OTA Course: University Curriculum in Marine Data Management (2011)	BIOS, Bermuda	11	TE
4-9 April	ODINAFRICA Training Course on Integrated Library Management System (ILMS)	Lomé, Togo	31	TE
11-15 April	SG-OT-II: Second Session of the IODE Steering Group for OceanTeacher	Miami, USA	8	ME
<i>17 - 22 April</i>	<i>SCOR - INOC Capacity Building meeting</i>	<i>Izmir, Turkey</i>	<i>Claudia Delgado</i>	
25-29 April	Caribbean Marine Atlas (CMA) Training Course	Barbados	5	TE
16-27 May	Accredited OTA Course: University Curriculum in Marine Data Management (2011)	Ghent, Belgium	21	TE
16-20 May	OceanTeacher Academy Course DM: Introduction to Marine GIS	Oostende, Belgium	16	TO
23-27 May	OceanTeacher Academy Course MIM: Training Course on Disaster Planning and Recovery	Oostende, Belgium	16	TO
30 May – 1 June	IOC/UNESCO Marine Spatial Training Course	Oostende, Belgium	17	TO
25-29 July	3rd ODINAFRICA Coastal and Marine Atlases workshop	Vacoas, Mauritius	29	ME
12-16 September	Basic Marine Data Management: OceanTeacher Academy Course DM: Basic Marine Data Management	Oostende, Belgium	19	TO
12-14 September	Joint ODINECET/ODINBlackSea Workshop	Sevastopol, Ukraine	21	ME
26-30 September	Data Curation for Information Professionals and Digitization: OceanTeacher Academy Course MIM: Training Course on Data Curation for Information Professionals and in-depth Digitization Practicum	Oostende, Belgium	16	TO
<i>27-28 October</i>	<i>5th Joint Capacity Building meeting</i>	<i>IALA headquarters, Paris</i>	<i>Claudia Delgado</i>	
<i>29 Oct - 4 Nov</i>	<i>UBSS, 30th internal meeting and Final Conference</i>	<i>Odessa, Ukraine</i>	<i>Claudia Delgado</i>	
7-11 November	Communication and Outreach Strategies: OceanTeacher Academy Course DM/MIM: Training Course on Outreach and Communication Tools	Oostende, Belgium	16	TO
5-9 December	EUMETSAT Training Course: EUMETSAT/IODE Training Course on Applications of Satellite Wind and Wave Products for Marine Forecasting	Oostende, Belgium	26	TO
5-14 December	University Curriculum in Marine Data Management (2012): University Curriculum in Marine Data	BIOS, Bermuda	11	TE

	Management (2012)			
2012				
<i>12 -18 February</i>	<i>Internship at BODC</i>	<i>Liverpool, UK</i>	<i>Claudia Delgado</i>	
<i>24 February</i>	<i>Young Scientist Day</i>	<i>Brugges</i>	<i>Claudia Delgado</i>	
19-23 March	Marine GIS: OceanTeacher Academy DM Training Course: Marine GIS Applications using ArcGIS	Oostende, Belgium	24	TO
9-20 April	OTA Accredited Course: Introduction to Ocean Data Management for Students of the Environment (Parts 1 & 2) 2012	Faro, Portugal	19	TE
23 April – 3 May	OTA Accredited Course: University Curriculum in Marine Data management 2012	Ghent, Belgium	14	TE
21-25 May	OceanTeacher Academy Training Course: Preservation of Books and Other Media	Oostende, Belgium	15	TO
2-6 July	SeaDataNet-2 Training Course : SeaDataNet-2 Training Course	Oostende, Belgium	51	TO
25-29 August	OceanTeacher Academy course: Regional and Operational Oceanography for Coastal Resources Management	Tuxpan, Mexico	19	TE
10-14 September	OceanTeacher Academy Training Course in Operational Oceanography: Synoptic Views of the Sea	Oostende, Belgium	22	TO
17-21 September	OceanTeacher Academy Training Course: Grant Writing for Digitisation Projects	Oostende, Belgium	12	TO
<i>18 – 21 September</i>	<i>SeaDataNet meeting</i>	<i>Rhodes, Greece</i>	<i>Claudia Delgado</i>	
1 – 2 October	Capacity Building Meeting with Venu Ittekkot (IOC consultant for CB)	Oostende, Belgium	3	
<i>12 October</i>	<i>Ocean Literacy Conference</i>	<i>Brugges, Belgium</i>	<i>Claudia Delgado</i>	
22 – 25 October	PEGASO Hands on Training	Oostende, Belgium	25	
5-7 November	SCOR meeting November	Henties Bay, Namibia	Claudia Delgado	
5-9 November	OceanTeacher Academy Training Course: Marine and Coastal Atlas Development 2012	Oostende, Belgium	24	TO
<i>10 December</i>	<i>Joint Capacity Building Meeting: Joint Capacity Building Meeting:</i>	<i>Oostende, Belgium</i>	<i>11</i>	<i>MO</i>
<i>10-14 December</i>	<i>IODE Training Course for the Caribbean Marine Atlas</i>	<i>Oostende, Belgium</i>	<i>6</i>	<i>TO</i>
2013				
<i>22-24 January</i>	<i>POGO-14 meeting</i>	<i>Cape Town, South Africa</i>	<i>Claudia Delgado</i>	
<i>28 January – 8 February</i>	<i>University Curriculum in Marine Data Management (2013): University Curriculum in Marine Data Management (2013)</i>	<i>BIOS, Bermuda</i>	<i>10</i>	
<i>15 February</i>	<i>Young Marine Scientist Day</i>	<i>Brugges, Belgium</i>	<i>Claudia Delgado</i>	

(*italicized indicates provisional as the event had not taken place when this report was prepared*)

Other events in which IODE staff participated (staff missions)

Annex C.

**List of OT events planned at the IOC Project Office for IODE between April
2013 and December 2013**

Date	Event Title	Venue
April, 8 - 12	OceanTeacher Academy Training Course: Development and Management of e-Repositories	Oostende, Belgium
May, 13 - 17	OceanTeacher Academy Training Course: Digital Asset Management	Oostende, Belgium
May, 27 - 31	OceanTeacher Academy Training Course: Fundamentals of Ocean Data Management	Oostende, Belgium
September (date to be defined)	Operational Oceanography: Synoptic Views of the Sea	Oostende, Belgium
September/October/ November (date to be defined)	Marine data and Information management Products for Websites	Oostende, Belgium
November (date to be defined)	Environmental Imagery and Satellite Data Management; Note: organisation pending on suitable lectures availability	Oostende, Belgium