OceanTeacher Global Academy:
Regional Approach to Capacity Development

BBNJ PrepCom-2 Side Event
Capacity Building and Transfer of Marine Technology
UN Headquarters, 29 August 2016

www.oceanteacher.org
OceanTeacher

• OceanTeacher Academy Project (2009-14) establish a facility to provide an annual teaching programme of courses related to oceanographic data and information management
  – Contribute to the sustainable management of oceans and coastal areas in Africa and other regions

• OTA developed a structured online Learning Management System (LMS)
  – Web-based training system supporting face-to-face training as well as online self-learning
  – Open source Moodle software used as the LMS
OceanTeacher Achievements

- 45 training courses and workshops organized at the IODE Project Office in Ostend, Belgium
- 15 training courses hosted at other locations
- Over 1500 participants from 110 Member States
- Special attention given to gender balance for training activities beneficiaries
- Increasing number of women attending OTA courses
OceanTeacher Global Academy

• The OceanTeacher Global Academy Project aims at building equitable capacity related to ocean research, observations and services in all IOC Member States

• Develop a global training centre network to increase national capacity in coastal and marine knowledge and management

• OTGA moves training from a “north-south” culture to north-south, south-south and south-north model
  – training traditionally based on experts from developed regions visiting and teaching developing country students
  – OTGA promotes use of expertise available in developing regions
OTGA concept

- At least 1 RTC for each region and language group
- Complementary to existing regional training centres
- Self-driven, based on locally available expertise
- Co-located with other ongoing and funded programmes/projects
- Sharing of courses with other RTCs using video conferencing technology
- Inviting expert lectures through video conferencing
- Use of common OceanTeacher LMS Platform
OTGA courses

OTGA training courses subjects include:

– Data Management, Marine Meteorology, Ocean Observation
  • Topics include Marine GIS, Bio Geography, Cruise Planning and Oceanographic Sampling

– Information Management, Disaster Recovery
  • Topics include Digital Asset Management, E-repositories, Disaster Planning and Recovery

– Marine Spatial Planning, Tsunami, GIS
  • Topics include Coastal and Marine Spatial Planning and Management

– OBIS, Harmful Algal Blooms
  • Topics related to marine biodiversity data and information management, taxonomy
Regional Training Centres

10 RTCs established:

**Designated RTC**
- **Colombia.** Instituto de Investigaciones Marinas y Costeras (INVEMAR)
- **Kenya.** Kenya Marine and Fisheries Research Institute (KMFRI)
- **India.** Indian National Centre for Ocean Information Services (ESSO - INCOIS)
- **Malaysia.** Institut Oseanografi dan Sekitaran (INOS)
- **Belgium.** UNESCO/IOC Project Office for IODE

**Candidate RTC**
- **China.** National Centre of Ocean Standards and Metrology (NCOSM)
- **Mozambique.** Universidade Eduardo Mondlane - Escola Superior de Ciencias Costeiras e Marinas (ESCCM)
- **Senegal.** Centre de Recherches Océanographiques de Dakar-Thiaroye -CRODT (CRODT-ISRA)
- **South Africa.** African Centre for Capacity-Building in Ocean Governance (AFRICOG) / Rhodes University
- **United States.** Nova Southeastern University (NSU)
RTC network
Training Sessions
Remote teaching from USA to Kenya
Simultaneous training India - Belgium
Collaboration With other Programs

www.oceanteacher.org
Institute of Oceanography and Environment (INOS)
UNIVERSITI MALAYSIA TERENGGANU

IOC/IIOE2-OTGA and IORA Joint Training Course On
RESEARCH DATA MANAGEMENT
22 - 26 May 2016

Supported by:
Collaboration with the Sustainable Ocean Initiative of the Convention on Biological Diversity (CBD-SOI)

YouTube Channel
# OTGA training events (2015-16)

<table>
<thead>
<tr>
<th>Date</th>
<th>Event</th>
<th>Venue</th>
<th>City/Location</th>
</tr>
</thead>
<tbody>
<tr>
<td>13-16 January</td>
<td>OceanTeacher Global Academy Steering Group Meeting I</td>
<td>Oostende, Belgium</td>
<td>Oostende, Belgium</td>
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<tr>
<td>19-23 January</td>
<td>OceanTeacher Global Academy Train the Trainers</td>
<td>Oostende, Belgium</td>
<td>Oostende, Belgium</td>
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<tr>
<td>20-22 April</td>
<td>OTGA Training Course: Marine Spatial Planning</td>
<td>Cape Town, South Africa</td>
<td>Cape Town, South Africa</td>
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<tr>
<td>25-29 May</td>
<td>OTGA Training Course: Marine Spatial Planning and Integrated Coastal Zone Management</td>
<td>Santa Marta, Colombia</td>
<td>Santa Marta, Colombia</td>
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<tr>
<td>20-31 July</td>
<td>OTGA-POGO-AWI: Ocean Data Management Training Course</td>
<td>Helgoland, Germany</td>
<td>Helgoland, Germany</td>
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<tr>
<td>28 September-2 October</td>
<td>OTGA Training Course: Marine GIS</td>
<td>Mombasa, Kenya</td>
<td>Mombasa, Kenya</td>
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<tr>
<td>25-29 October</td>
<td>OTGA curso de entrenamiento: Tecnologias de Informacion - SIG aplicado al medio marino y costero</td>
<td>Santa Marta, Colombia</td>
<td>Santa Marta, Colombia</td>
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<tr>
<td>3-7 November</td>
<td>OTGA Training Course: Research Data Management</td>
<td>Dania Beach, United States</td>
<td>Dania Beach, United States</td>
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<tr>
<td>16-20 November</td>
<td>OTGA Training Course: Quality Management Framework</td>
<td>Oostende, Belgium</td>
<td>Oostende, Belgium</td>
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<tr>
<td>30 November-3 December</td>
<td>OTGA-OBIS Training Course: Marine Biogeographic Data Management (contributing and using OBIS)</td>
<td>Oostende, Belgium</td>
<td>Oostende, Belgium</td>
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<tr>
<td>8-10 December</td>
<td>OTGA-NMDIS Training Course: The Use of the Global Temperature and Salinity Profile Programme Data</td>
<td>Tianjin, China</td>
<td>Tianjin, China</td>
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<tr>
<td>18-22 January</td>
<td>OTGA-INCOIS Training Course: Marine GIS for Operational Oceanography</td>
<td>Hyderabad, India</td>
<td>Hyderabad, India</td>
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<tr>
<td>25-29 January</td>
<td>OTGA-ISRA/CRODT Training Course Principes fondamentaux de la gestion des données océanographiques</td>
<td>Dakar, Senegal</td>
<td>Dakar, Senegal</td>
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<tr>
<td>8-11 March</td>
<td>OceanTeacher Global Academy Steering Group Meeting II</td>
<td>Oostende, Belgium</td>
<td>Oostende, Belgium</td>
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<tr>
<td>4-15 April</td>
<td>OTGA-POGO-AWI: Ocean Data Management Training Course</td>
<td>Helgoland, Germany</td>
<td>Helgoland, Germany</td>
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<tr>
<td>18-27 April</td>
<td>Training on scientific cruise planning, oceanographic sampling, fisheries and data management</td>
<td>Mombasa, Kenya</td>
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<tr>
<td>22-26 May</td>
<td>IOC/IIOE2-OTGA and IORA Joint Training Course On Research Data Management</td>
<td>Kuala Terengganu, Malaysia</td>
<td>Kuala Terengganu, Malaysia</td>
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<tr>
<td>22-26 August</td>
<td>OTGA-INEMVAR: Curso de Tecnologías de la Información – SIG Aplicado al Medio Marino y Costero</td>
<td>Santa Marta, Colombia</td>
<td>Santa Marta, Colombia</td>
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<tr>
<td>26-30 September</td>
<td>OTGA-INEMVAR-OBIS: curso sobre Administración de datos biogeográficos marinos (Contribuyendo al uso de OBIS)</td>
<td>Santa Marta, Colombia</td>
<td>Santa Marta, Colombia</td>
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<tr>
<td>26-30 September</td>
<td>OTGA-KMFRI Training Course: Communication and Outreach Tools</td>
<td>Mombasa, Kenya</td>
<td>Mombasa, Kenya</td>
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<tr>
<td>20-24 November</td>
<td>OTGA-INOS/UMT Training Course: Metadata using GeoNetwork</td>
<td>Kuala Terengganu, Malaysia</td>
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Summary

• OTGA is building a worldwide training facility to provide training courses related to IOC programmes, contributing to the sustainable management of oceans and coastal areas
• OTGA moves the focus of capacity development to regional training centres
• RTCs organize and host courses in regionally languages with focus on regionally relevant topics, using mainly local trainers
• RTCs utilize the OceanTeacher Learning Management System and can share lectures through videoconference links
Thanks Flanders (Belgium)

Ocean Teacher Global Academy received

USD 2,574,090 from May 2014 to May 2018

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All the in-kind contributions from the RTCs!!!