Ocean Data Management for Researchers
Training Course
UNESCO/IOC Project Office for IODE
Ostend, Belgium
3 – 7 December 2018

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With the support of the Government of Flanders, Belgium

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IOC within UN

- Focal point for ocean observations, science, services and data exchange
- Competent international organization for Marine Scientific Research (UNCLOS)
- Often gives UNESCO 2 seats at the table (UNFCCC, CBD, Rio+20, etc)
The IOC of UNESCO: Building knowledge and capacity for sustainable ocean management

- Established in 1960
- Has functional autonomy within UNESCO
- Only intergovernmental body mandated to promote marine science in all ocean basins
- Fosters marine sustainable development through:
  - science,
  - services,
  - observations,
  - data exchange and
  - capacity development
Vision:

Strong scientific understanding and systematic observation of the changing world climate and ocean ecosystems shall underpin global governance for a healthy ocean, and global, regional and national management of risks and opportunities from the ocean.
IOC Medium Term Strategy 2014 - 2021

4 High Level Objectives

– Healthy ocean ecosystems
– Early warning for ocean hazards
– Resiliency to climate change and variability
– Enhanced knowledge of emerging issues
IOC: from vision to execution

Improving governance

Applying knowledge for societal benefit

Building scientific knowledge

E. Sustainable management and governance
C. Early warning and Services
F. Capacity development
A. Ocean research
B. Observing system / data management
D. Assessment / information for policy
# OTGA & IOC Capacity Development Strategy

Approved by IOC MS in June 2015

<table>
<thead>
<tr>
<th>Output</th>
<th>Activity</th>
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| 1. Human Resources Developed | 1.1 Academic (higher) education  
1.2 Continuous professional development  
1.3 Sharing of knowledge and expertise / community building  
1.4 Gender balance |
| 2. Access to physical infrastructure established or improved | 2.1 Facilitating access to infrastructure (facilities, instruments, vessels) |
| 3. Global, regional and sub-regional mechanisms strengthened | 3.1 Further strengthening and supporting secretariats of regional commissions  
3.2 Enhance effective communication between regional sub commission secretariats and global programmes as well as other communities of practice (inc. other organisations) |
| 4. Development of ocean research policies in support of sustainable development objectives promoted | 4.1 Sharing of information on ocean research priorities  
4.2 Developing national marine science management procedures and national policies |
| 5. Visibility and awareness increased | 5.1 Public information  
5.2 Ocean Literacy |
| 6. Sustained (long-term) resource mobilization reinforced | 6.1 In-kind opportunities  
6.2 Financial support by MS to IOC activities |
IOC/IODE Capacity Development

- Early 1980’s
- 1989 ODIN AFRICA
- 1991 Ocean PC
- 1987 IODE Resource Kit
- 2001 Ocean Teacher
- 2009 Ocean Teacher Academy
- 2014 OceanTeacher Global Academy

www.oceanteacher.org
OceanTeacher Global Academy: the concept

Sharing training resources and expertise in a coordinated way
OceanTeacher Global Academy: sharing training resources and expertise in a coordinated way

www.oceanteacher.org

> 2 600 people trained from 134 Member States
> 4 800 registered users
> 200 training courses (English, Spanish, French, Portuguese)

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