



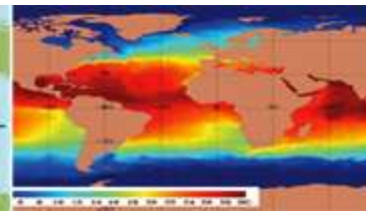
OceanTeacher Global Academy:

Sharing content and expertise in a coordinated network

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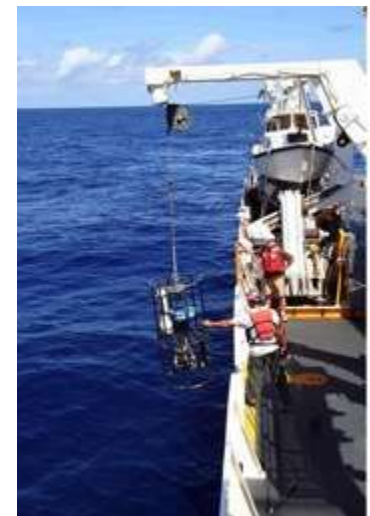
The IOC of UNESCO:

Building knowledge and capacity for sustainable ocean management

- Established in 1960
- Only intergovernmental organization mandated to promote marine science in all ocean basins
- Fosters marine sustainable development through: science, services, observations, data exchange and **capacity development**

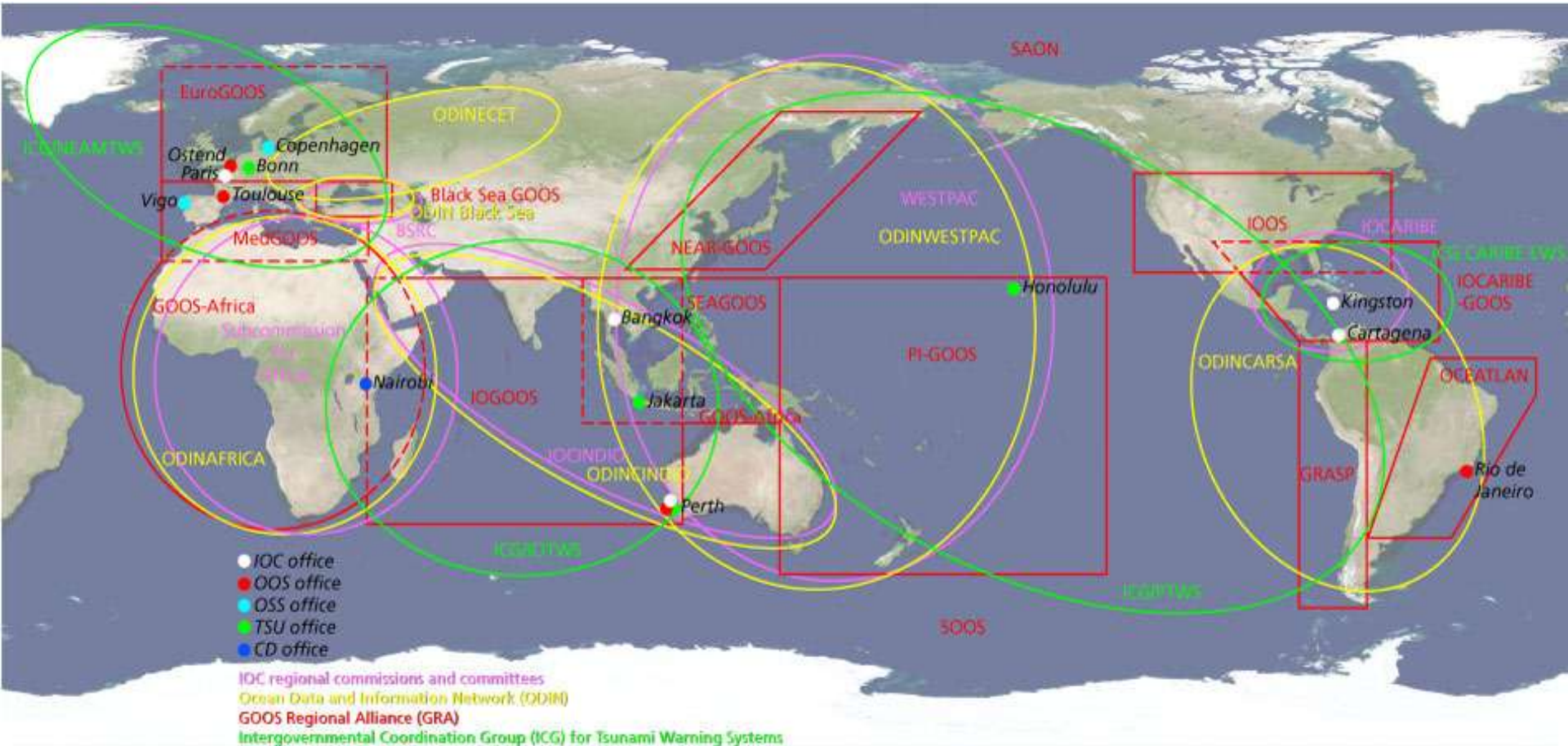
4 high level objectives:

- Preventing and reducing impacts of natural marine hazards
- Mitigating impacts and adapting to climate change
- Safeguarding health of ocean ecosystems
- Promoting policies for sustainability



IOC Regional Bodies

Communities of practice!!



IOC Medium Term Strategy 2014 - 2021



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



Expected Result 6:

Member States' institutional capacities reinforced to protect and sustainably manage ocean and coastal resources



CD Key strategic objectives

- Development of **human resources**
- Development of **physical infrastructure**
- Strengthening of global, regional and sub-regional **mechanisms**
- Promote the development of **national policies** that translate scientific results/recommendations into policy
- Increase **visibility and awareness**
- Reinforce sustained **resource mobilization**

These **objectives** will be realized through **strategic approaches** that will be implemented through activities identified in the **Implementation Plan**.

Objective 1: development of human resources

Strategic approach 1: Academic (higher) education: long-term, degree oriented

Academic education is provided at national Universities or other institutions of higher education. It results in a degree (usually Masters or equivalent).

Limiting factors: a full Masters programme is not available in all Member States which requires students to undertake part of their education in foreign Universities. *Remedial action may include Erasmus Mundus like agreements.*

Strategic approach 2: Continuous professional development: updating (technical) skills

The achievement of a University degree is not the end target of education. The rapid evolution in science and technology requires continuous professional development (CPD). *This may include also TTR, TTT,...*

Strategic approach 3: Knowledge access and sharing

“Science is a multi-layered complex system involving a community of scientists engaged in research using scientific methods in order to produce new knowledge.” (source: Stanford Encyclopedia of Philosophy). Therefore, unless researchers have access to the results of the work of their peers (the community), scientific progress cannot be achieved. *This includes participation in scientific conferences, workshops etc.*

Regional approach

- Each region has developed its own approach tailored to needs of Member States in that region
- Evolution towards regional training centres/ centres of Excellence
- WMO experience: need to network RTCs and share content, knowledge and experience



IODE and Capacity Development

- IODE: International Oceanographic Data and Information Exchange
- Established in 1961
- 2014: Network of >80 National Oceanographic Data Centres & growing number of **IODE Associate Data Units**: community of practice specialized in managing oceanographic data
- No formal education available so mostly peer-to-peer expertise and experience sharing + technical training



IODE Project Office & Training Centre

- IODE Secretariat
- International Training Centre
- International Conference Centre
- Host for IOC/IODE data and information services (Data/information hub)
- Expert Centre
- ~15 events/year
- Support from Flanders Government



Network of Regional Training Centres (RTCs)

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

Timeline

- March 2013: IODE-XXII: Member States invited to host RTC
- April-December 2013: Expressions of interest received from **Colombia**, Argentina, Spain, **Senegal**, **Kenya**, **Mozambique**, **South Africa**, **India**, **Malaysia**, **China**
- January-October 2014: Assessment missions carried out to Colombia, Senegal, Kenya, Mozambique, South Africa, India, Malaysia, China
- January 2015: Project kick-off meeting and train-the-trainers course (Oostende, Belgium)
- March 2015: presentation of results at IODE-XXIII
- April 2015: start activities
- Agreements: gradually

Activities?

1. Establish project steering group that meets annually to share experience and agree on common course plan
2. Organize at 1-2 courses/year funded by project (in addition to other courses)
3. Jointly develop and manage knowledge and training material platform
4. Utilize the platform for any training an education activity responding to national and/or regional needs

Using OceanTeacher for your capacity development needs

- OceanTeacher will NOT compete with other existing or planned training facilities
- OceanTeacher methodology is **free to use**
- Allows managing and sharing of **knowledge and training materials (K&TM)**
- Allows re-use of K&TM by **translating**, use by other training centres in same or other region
- Create “**knowledge commons**”: *information, data, and content that is collectively owned and managed by a community of users, particularly over the Internet*
- Enhance quality of content by **network of contributing experts**
- Promotion of knowledge and expertise of contributing institutions and experts
- Allow inviting top experts as “visiting lecturer” without travel (**video lecture**)
- Organize **shared classroom** through video conference

- Use **OceanExpert** to identify communities and to track students (**alumni** system) see [here](#)
- Use **OceanDataPractices** to disseminate standard or recommended practices in data/information management see [here](#)

Upcoming OTGA Courses 2015

- Research Data Management, ova
Southeastern University, Dania, Florida,
November 16-20, 2015



Invitation to OTGA Course: Research Data Management

We are pleased to inform you that candidates can now apply for the following Training Course until 14 OCTOBER 2015: € Training Course on Research Data Management, to be held at Nova Southeastern University in Dania Beach, Florida, USA, between 16 - 20 November 2015.

Course topics will include:

Overview of Research Data

Open Data

Research Data and publication lifecycles

Data organisation and standards

Data Management Plan

Organising Research Data

Making Data available

Access to Research Data

Linked Data

Towards integrated data and information systems

The course is intended for participants whose usual working language is English.

We invite you to share this information with potential interested candidates in your country.

Interested candidates should submit the following documents:

- OTGA Application Form – attached (also available for download at http://www.iode.org/index.php?option=com_oe&task=viewEventRecord&eventID=1625)
- Short CV (max 3 pages)
- Endorsement letter (from employer or host organisation, in case of asking for sponsorship)
- copy of passport's first page

Both full and co-sponsoring are available for a limited number of participants. Sponsored participants will receive one or a combination of the following cost items: 1) air ticket, 2) meals and accommodation support, and 3) medical insurance.

The selection of participants applying for full or partial support will take into consideration:

- Applicant country's development status (preference will be given to LIFDCs)
 - Endorsement of the candidate's application by his/her employer and any co-sponsoring
 - Expected impact of the training for the applicants' institution
 - Possibility of any co-sponsorship (co-sponsorship is an asset for selection)
- UNESCO is committed to promote gender equality. Therefore applications from women are strongly encouraged.

Complete applications should be sent by e-mail directly to the OceanTeacher Global Academy Coordinator (Claudia Delgado: c.delgado@unesco.org) and the NSU-RTC Coordinator (Jaime Goldman: hjaime@nova.edu). Send all documents in one single email with the subject 'OTGA-NSU: application RDM course'.

We underline that the deadline for applications is **14 October 2015**.



Thank You