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6th SESSION GROUP OF EXPERTS ON CAPACITY DEVELOPMENT (GE-CD-VI)

Elizabeth Lawrence



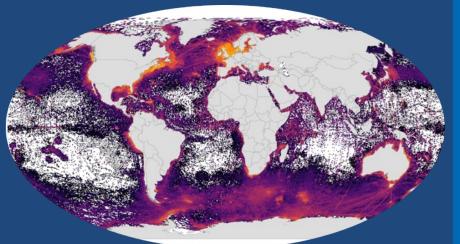
OBIS Capacity Development Officer/BioEcoOcean Project Officer Oct 22, 2024



UNESCO-IOC OBIS Ocean Biodiversity Information System

Gateway to ocean biodiversity data you can trust

- Global network of 30+ nodes
- Supports several global & Regional Ocean Assessments
- Increase scientific capacity
 through data standardization



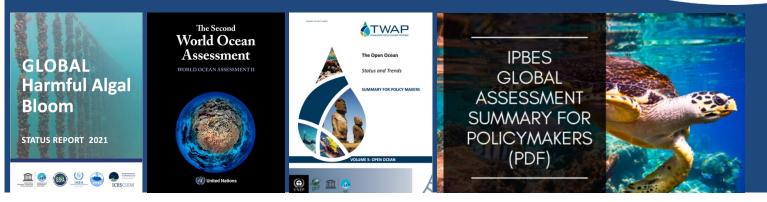


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Output 1: Human resources developed at individual and institutional levels

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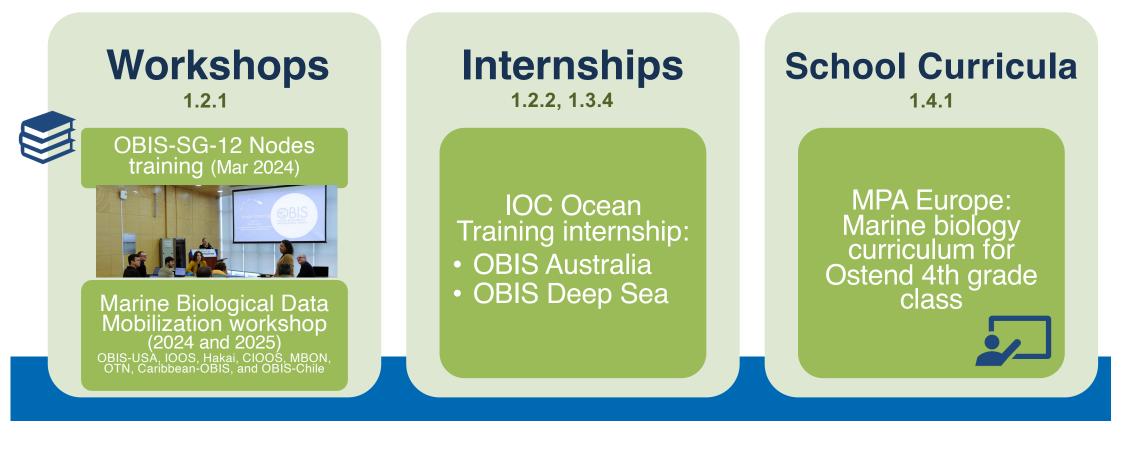
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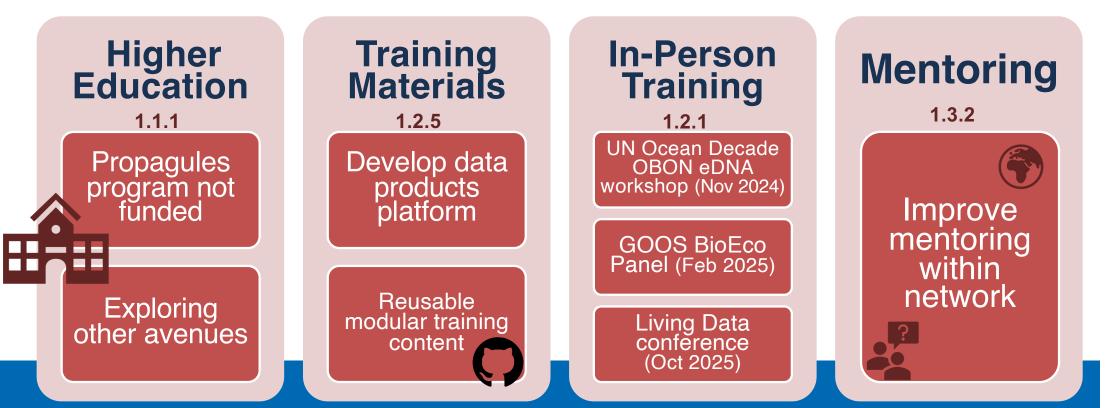
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Output 1: Human resources developed at individual and institutional levels





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Output 2: Access to technology, physical infrastructure, data and information established or improved





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Output 2: Access to technology, physical infrastructure, data and information established or improved



2.1.3

Develop stronger workflows with citizen science communities Blueprint for ocean observing 2.2.2



Guide ocean observing programs through each step of ocean observation value chain Equitable Access 2.2.2 Provide more translations of training content



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Output 3: Global, regional and sub-regional mechanisms strengthened





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Output 3: Global, regional and sub-regional mechanisms strengthened



3.2.1, 3.3.1

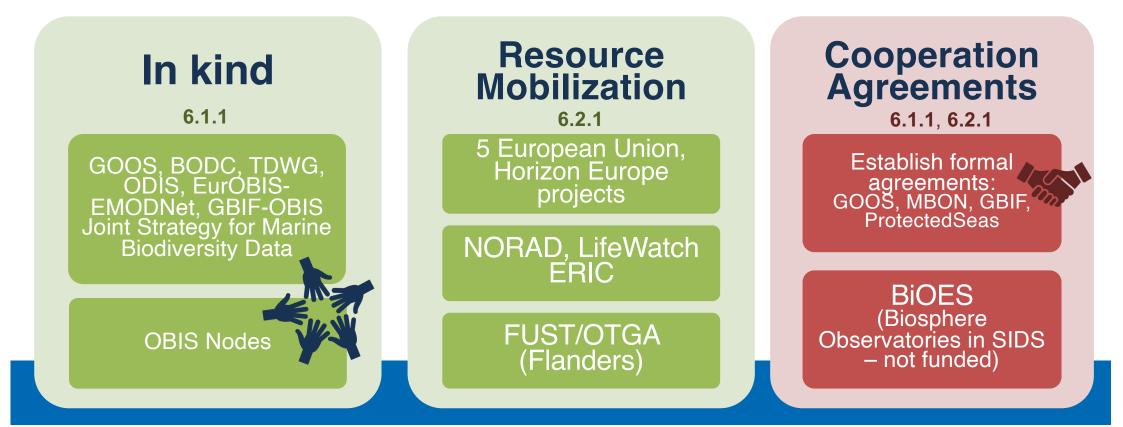
OBIS Nodes Coordination Group:

- Identify gaps in training needs
- Enhance communication within community

Output 6: Sustained resource mobilization reinforced



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Appendix: OBIS Inputs to the IOC CD Strategy Outputs and Activities Table summaries

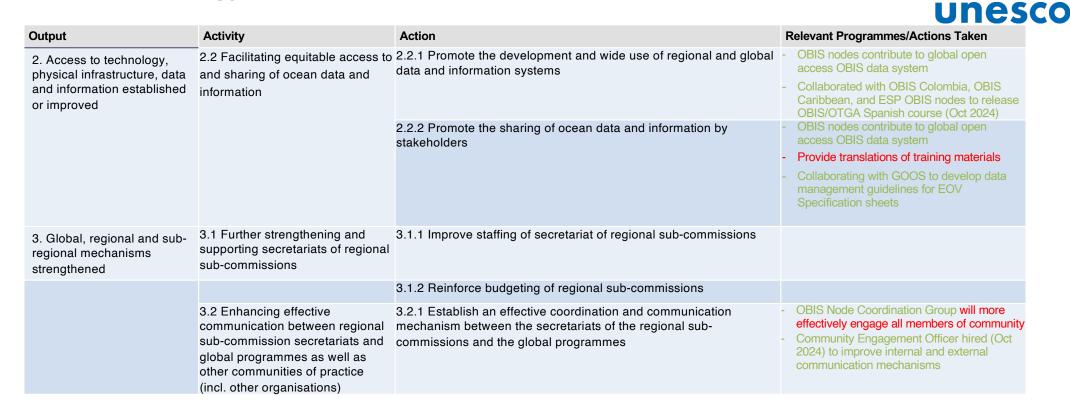


Output	Activity	Action	Relevant Programmes/Actions Taken
1. Human resources developed at individual and institutional levels	1.1 Academic and higher education	1.1.1 Promote and assist with the strengthening and establishment of consortia of higher education and research institutions at the appropriate geographical scale	 Propagules program to develop university curriculum – was not funded
		1.1.2 Promote collaboration between UNESCO Chairs and IOC, and between IOC and other organisations dealing with ocean matters on human resources development	
	1.2 Continuous professional development	1.2.1 Promote and assist with the organisation of training courses, workshops and "summer schools", relevant to the IOC mandate, including training of trainers/technicians and executive career development for institutional managers/decision makers, in collaboration with other organisations	 OBIS/OTGA Contributing and Publishing Datasets to OBIS (self-paced) Oct 2023 – Feb 2024, May 2024-present Co-hosted annual Marine Biodiversity Data Mobilization Workshop with OBIS-USA, IOOS, Hakai, CIOOS, MBON, OTN, Caribbean-OBIS, and OBIS-Chile with dedicated sessions for Spanish speakers (April 2024, fall 2025) PacMAN project established OTGA eDNA course for detecting invasive species, in person training (Fiji 2022) and self-paced course (2023-2024) OBIS Nodes training at SG-12 (Mar 2024) Ocean Decade OBON eDNA workshop (Nov 2024) In person training Oct 2025 during Living Data Conference GOOS BioEco Panel data training (Feb 2025)
		1.2.2 Establish, or collaborate with other organisations to develop internship/fellowship and on-board training programmes	 OBIS Australia and OBIS Deep Sea will host interns selected through the IOC Ocean Training internships
		1.2.3 Establish and collaborate with other organisations on visiting lecturer/scholar/researcher programmes and professional exchanges (peer to peer))
		1.2.4 Promote and assist with the establishment of regional training (and research) centres relevant to the IOC mandate	
		1.2.5 Promote the development and sharing of training materials and tools	 Continuously maintained OBIS Manual for biodiversity data standards 26 YouTube training videos data formatting and controlled vocabulary with 7 translated to Spanish eDNA workshop to compare bioinformatics pipelines OBIS Data Products coordination Group will develop data products platform



Output	Activity	Action	Relevant Programmes/Actions Taken
-	1.3 Sharing of knowledge and expertise including through community building	1.3.1 Establish a travel grant "fund"	
		1.3.2 Establish or collaborate with other organisations on a mentoring programme	- Plans for improving OBIS Node mentoring through OBIS Node Coordination Group
		1.3.3 Promote and assist with the development and strengthening of IOC alumni networks, and professional networks including for youth leaders	
		1.3.4 Promote funding, grant and scholarship programs to facilitate ocean research, technical development and scientific exchange through bringing visibility of opportunities via an online CD hub	- Promoted and joined IOC Ocean Training Internship
	1.4 Integration of ocean science in basic education	1.4.1 Promote the integration of ocean science in curricula of primary and secondary schools	 Horizon Europe project MPA Europe developed marine biology curriculum for local 4th grade class in Ostend
		1.4.2 Promote careers in ocean research and ocean management	
	1.5 Improving gender, generational and geographic diversity	1.5.1 Promote participation of women in ocean research	
		1.5.2 Promote and support "young scientist" and "women in science" awards	
2. Access to technology, physical infrastructure, data and information established or improved	2.1 Facilitating access to technology and infrastructure	2.1.1 Establish and maintain a register of infrastructure to facilitate access, and promote transfer of marine technology	 Leading work package on CD in Horizon Europe project BioEcoOcean that aims to guide ocean observing programs through each step of ocean observation value chain
		2.1.2 Promote the development of regional collaboration on sustainable scientific infrastructure	
		2.1.3 Promote involvement of citizen science in ocean research	 UNESCO eDNA expeditions with 200 schoolchildren in 17 countries
			 Develop stronger workflows with citizen science communities (OBIS UK)







Output Activity Action **Relevant Programmes/Actions Taken** 3. Global, regional and sub-3.3 Identifying specific national and 3.3.1 Organise and conduct biennial capacity development - Through OBIS Nodes Coordination Group identify regional mechanisms regional capacity development needs needs survey specific gaps in training needs strengthened through regular needs assessment 3.4 Encouraging regional and sub-3.4.1 Reinforce engagement of regional and sub-regional - Through OBIS Nodes Coordination Group regional organisations to be leaders in, organisations in consultation process and capacity Caribbean, OBIS Colombia, ESP OBIS) already and amplifiers of capacity development initiatives development 4. Development of ocean 4.1 Fostering the development of 4.1.1 Compile and compare information on existing ocean research policies in support of ocean research policies research policies, and disseminate to Member States for their sustainable development use objectives promoted 4.1.2 Assist and enable Member States with the development of ocean research policies, making use of the results of 4.1.1 5. Visibility, awareness and 5.1 Fostering the development of 5.1.1 Encourage the development of public information understanding on the roles and ocean related public information and (communication) departments in ocean research institutions values of the ocean and ocean communication services research in relation to human 5.2 Fostering the development of 5.2.1 Assist with the strengthening and development of ocean literacy programmes at national and regional levels wellbeing and sustainable ocean literacy development increased 6. Sustained resource 6.1 Enhancing sustained support (in-6.1.1 Foster partnerships to increase in-kind support - EurOBIS-EMODNet, GOOS, GBIF-OBIS Joint mobilization reinforced kind and financial) to the IOC for its opportunities Strategy for Marine Biodiversity Data, BODC, international coordination role - Establish formal cooperation agreements with GOOS, MBON, GBIF, ProtectedSeas 6.2 Promoting sustained bilateral and 6.2.1 Encourage resource mobilisation in particular from multilateral support among Member Member States, and other donors to support the outcomes of States the IOC Capacity Development needs assessment BiOES (Biosphere Observatories in SIDS – not funded)

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