Agenda #7 IOC Programmatic Frameworks



7.3 Capacity Development
Strategy 2023-2030
Implementation Plan/
OceanTeacher Global
Academy (OTGA)

JOHANNA DIWA-ACALLAR

Deputy CD Global Coordinator 22 May 2025

IOC Capacity Development Strategy 2023 - 2030

IOC Decision A-32/Dec.4.3

- Adopted by the 32nd Assembly of the UNESCO-IOC
- Booklet available in four languages: EN-FR-SP-RU (printed and e-copies at the IOC CD website)

| | Output | Activity | | Output | Activity | | |
|----|---|---|-----------|--|--|--|--|
| 1. | Human resources developed at individual and institutional levels | 1.1 Academic and higher education 1.2 Continuous professional development | 4. | Development of ocean research policies in support of sustainable development objectives promoted | 4.1 Fostering the development of ocean research policies | | |
| | | 1.3 Sharing of knowledge and expertise including through community building | 5. | Visibility, awareness and understanding on the roles and values of the ocean and ocean research in relation to human wellbeing and sustainable development increased | 5.1 Fostering the development of ocean related public information and communication services | | |
| | | 1.4 Integration of ocean science in basic education | | | 5.2 Fostering the development of ocean literacy | | |
| | | 1.5 Improving gender, generational and geographic diversity | 6. | Sustained resource mobilization reinforced | 6.1 Enhancing sustained support (in-kind and financial) to the IOC for its international | | |
| 2. | Access to technology, physical infrastructure, data and information established or improved | 2.1 Facilitating access to technology and infrastructure | | | coordination role | | |
| | | Sacilitating equitable access to and sharing of ocean data and information | | | 6.2 Promoting sustained bilateral and multilateral support among Member States | | |
| 3. | Global, regional and sub-regional mechanisms strengthened | 3.1 Further strengthening and supporting secretariats of regional commissions | 6 Outputs | | | | |
| | | 3.2 Enhancing effective communication between regional sub-commission secretariats and global programmes as well as other communities of practice (incl. other organisations) | | 16 Activities | | | |
| | | Identifying specific national and regional capacity development needs through regular needs assessment | | 31 Actions | | | |
| | | | | | | | |
| | | 3.4 Encouraging regional and sub-regional | | | | | |

organisations to be leaders in, and amplifiers

of capacity development



GE-CD-VI Session (22-24 October 2024; Oostende, Belgium)



GE-CD Co-Chairs: Suzan El-Gharabawy & Lina Eyouni

Task Team on Needs Assessment

<u>Co-Chairs:</u> Laura Correa & David O'Sullivan <u>Members</u>: Elva Escobar, Ana Carolina Mazzuco, Fatma Jebri, Ahmad Al Karim, Ibukun Adewumi, Zhao Chang, Natalia Stepanova, Lina Eyouni, Nimit Kumar

• Working Group on Implementation Plan

<u>Co-Chairs:</u> Rebecca Lahl & Carlos Torres <u>Members:</u> Masahiko Fujii, Viktor Komorin, Massata Ndao, Hai Doan-Nhu, Yesim Aslanoglu, Suzan El-Gharabawy, Madona Madona, Ann-Katrien Lescrauwaet, Ana Suarez, Zacharie Sohou, Carlos Martin Barrientos, Francis Augustine Pavanathara



Task Team on Needs Assessment

Laura Correa (Co-Chair),
David O'Sullivan (Co-Chair),
Elva Escobar, Ana Carolina
Mazzuco, Fatma Jebri, Ahmad
Al Karim, Ibukun Adewumi,
Zhao Chang, Natalia Stepanova,
Lina Eyouni.



Presentation of draft survey design highlighting questions and progress. Documents shared to the wider group.

November 28, 2024

Wider CD GE meeting for Overview of CD Implementation Plan progress and integration of Needs Assessment.
Review Joint progress of subgroups and agreed Next Steps.



October 22-24, 2024

Established at the IOC Group of Experts on Capacity Development Sixth Session
Oostende, Belgium

October 31, 2024

First Meeting TT
Introduction of new members,
discussion on the development of
the Needs Assessment
questionnaire and suggested
timeline.



December 16-20, 2024

Feedback on immediate priorities sought and agreed approach to revised RSB questionnaire.



November 6, 2024

Review previous survey and
Strategy for <u>IOC-CD</u> 2023-2030 <u>10</u>
<u>Challenges - Ocean Decade</u>.

JanuaryDeadline for TT to deliver a survey to the IOC secretariat is established.



January 2-1 2, 2025

Review of draft RSBs questionnaire Needs Assessment



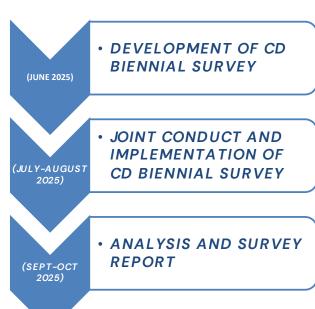
January 13, 2025

Capacity Development Needs
Assessment Questionnaire issued
to RSBs. Deadline 21st February.

Outcomes summarized in the Implementation Plan

November 14, 2024

- Integrate 10 Challenges into existing survey Questions and reorder accordingly. Map 'new' questions to 6 CD outputs Fatma, Laura and Elva
- Rank open questions /priorities / eliminate bias Ibukun / Lina
- Map existing IOC activities (eg OTGA)
 Ana / Ahmed
- Prepare Cover Letter Explain clearly what the expectations are and why this questionnaire will be helpful for RSBs - David



Implementation Framework: Overarching Recommendations



- 1) <u>Leverage Existing Programs</u> Build on IOC's established global and regional capacity development programs and efforts and strengthen existing initiatives through cross cutting CD approaches and tools (Ocean CD-Hub, OTGA, CDF, etc.)
- 2) <u>Improve implementation capacity</u> Adapt a cohesive approach, strengthen MS engagement via national CD focal points in the implementation process through regional and global working groups
- 3) <u>Strengthen Regional Implementation</u> Enhance the capacity of IOC RSBs, through increased staffing, sustainable funding, technology transfer and improved coordination with global programs.
- 4) <u>Global Coordination</u> Support the IOC CD Secretariat as a central coordinating body for CD implementation and alignment with ongoing and new IOC-wide initiatives including the Ocean Decade, IOC data architecture, SOPM, BBNJ, etc
- 5) <u>Global Forum on Ocean Capacity Development</u> provide a critical platform for a global discussion on IOC Capacity Development actions, expanding collaboration opportunities among relevant stakeholders, beneficiaries and potential partners.
- 6) <u>Strategic Partnerships</u> Explore, establish, consolidate and promote strategic partnerships with key UN agencies, NGOs, regional and global networks including regional nodes (e.g., OBIS regional nodes, OTGA RTC and STC, NODCs) and shared research infrastructures and field stations as hubs for internships/mentoring programmes and field practices.
- 7) <u>Strengthen Equity, Inclusion and Decolonialisation</u> The implementation of the CD Strategy and its initiatives must be grounded in principles of equity: It must support geographical representation, inclusive dialogue, and critical reflection
- 8) <u>ECOPs as Change-Makers -</u> key drivers of innovation and change. Mentorship, hands-on field experience, and practical training must be prioritized alongside traditional mobility opportunities to empower their growth.
- 9) <u>Enhanced Outreach & Communication</u> Promote the Implementation Plan and actions, through targeted publicity, outreach, and engagement strategies to ensure broad participation and maximum impact.
- 10) <u>Prioritization & Risk Management</u> Avoid fragmentation by streamlining efforts, reducing redundant sub-groups, and ensuring strategic alignment of capacity development initiatives. Prioritize key activities for maximum impact.
- 11) Monitor, Evaluate and Adapt —a structured approach to track progress, measure impact, and ensure accountability within the CD Strategy and its initiatives including the IOC biennial CD Needs Assessments survey and IP evaluations

Implementation Plan

unesco

Intergovernmental Oceanographic Commission

2. <u>Timeline</u>

Table 1: Timeline of the Implementation Plan

| | Milestones | General Timeline |
|----------------------------------|---|---------------------|
| | | |
| Launch Capacity Development | Official publication in four languages, | Q1 2024 – |
| Strategy | finalization of CD Needs Assessment and | Q2 2025 |
| | Implementation Plan by GE-CD | |
| Launch of Implementation Plan | Official publication after IOC Assembly | Q3 2025 |
| Promotion and Outreach | Public outreach and partnership building (see | Q3 2025 - |
| | Chapter 8), Global Forum on Capacity | Q2 2026 |
| | Development (Q3 2027) | |
| First Phase of Implementation | Joint Global Forum (Q3 2027), focus on high | Q3 2025 - |
| (timeframe consistent with IOC's | priority actions, resource mobilization and | Q4 2027 |
| biennial budget cycles) | regional implementation. | |
| | Revision of Draft M&E (Chapter 9) | |
| Evaluation and Adjustments | Review and revision to inform the | Q1 2028 - |
| _ | development of a post-2030 CD strategy (to | Q2 2029 |
| | be presented and adopted at the IOC 35 in | |
| | Q2 2029) | |
| Final Phase of Implementation | Focus on Medium/low Priority Actions; | Q1 2028 - |
| - | Alignment with end of Ocean Decade | Q4 2030 |

3. Regional Priorities / Needs Assessment

| | Output | Activity | Actions | IOCAFRICA | IOCARIBE | IOCINDIO | WESTPAC |
|--------------|--|--------------------------|--|--|---|---|--|
| nl e - | 1. Human resources developed at individual and institutional levels | 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 | - Support and Strengthen HABs network of experts: identify the origin of invasive or exotic species and pathways of invasion, the environmental conditions conducive to invasion, and their major effects on local habitats, species, and ecosystems Support the Strengthening of the GOOS Africa coordination office at CURAT, Abidjan, Cote d'Ivoire | National, regional higher educational and research network database | High Priority: On Marine Spatial Planning Medium Priority: On Pollution | Deep-Sea Coastal Hazz Early Warning Systems Al Application Ocean researc |
| | | | 1.1.2 Promote collaboration between UNESCO Chairs and IOC, and between IOC and other organizations dealing with ocean matters on human resources development | - Support the Strengthening of the GOOS Africa coordination office at CURAT, Abidjan, Cote d'Ivoire | | Medium Priority:On Marine Spatial Planning -On Pollution -On Coastal Hazard Early Warning Systems | Deep-Sea Coastal Haza Early Warning Systems Al Applicatio Ocean researc |
| | | professional development | 1.2.1 Promote and assist with the organization of training courses, workshops and | Coastal Hazard Early Warning Systems A coastal hazard modeling and forecasting certification program | Blue Schools SIDS network A New Blue Curriculum Working to increase ocean knowledge among | High Priority: - On Marine Spatial Planning Medium Priority: | Deep-Sea Coastal Haza Early Warning Systems |

Implementation Plan

4. Action Plans for each of 31 Actions

- 5. Draft M&E framework for KPIs
- 6. Communication and Outreach Plan

Activity 1.2 Continuous professional development

Action

Action 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

Objective

- Enhance disciplinary, technical and managerial competencies among marine science professionals.
- Build capacity through targeted training activities/programmes that are tailored to the needs of Member States and the IOC mandate.
- Organize short-term, focused intensive training programmes (including summer schools) that focus on practical application and leadership development.
- Develop competencies and implement learning frameworks related to Blue Skills, considering novel and emerging topics relevant to upskilling of ocean professionals and enhance institutions capability.
- Enhance and leverage existing IOC projects and programs focused on capacity development

Pathway

- Identify specific technical, scientific, and management training needs by professionals via CD biennial survey and in conjunction with RSBs.
- Implement a training request mechanism, e.g. official call or request form via OTGA platform
- Design an integrated training program offered by IOC that includes courses, workshops, and summer schools aligned with identified needs.
- Develop "training of trainers" (TOT) initiatives to ensure a cascading transfer of knowledge.
- Further develop the CD-Hub as primary global marine science training portal for CD opportunities
- Further develop the OceanTeacher Global Academy (Action 1.2.5) as a central online learning platform
- Coordinate with consortia of higher education and potentially developed programs (Action 1.1.1).
- Utilize the Capacity Development Facility's matchmaking service to replicate/scale up training initiatives and advance other capacity development activities prioritized by IOC

| L | initiatives and advance other capacity development activities phontized by 100 | | |
|---|--|----------------------------------|--|
| | Main Partners | Resources | |
| | All IOC programs and initiatives, RSBs, | Existing resources/New resources | |
| 1 | International Oceanographic Data and | Existing and new partners | |
| | Information Exchange (IODE), OceanTeacher | 3800 | |
| | Global Academy (OTGA), CDF, CD National | | |
| | Focal Points (Member States), ECOPs, UN and | | |
| | non-UN Organizations, Universities, NGOs | | |



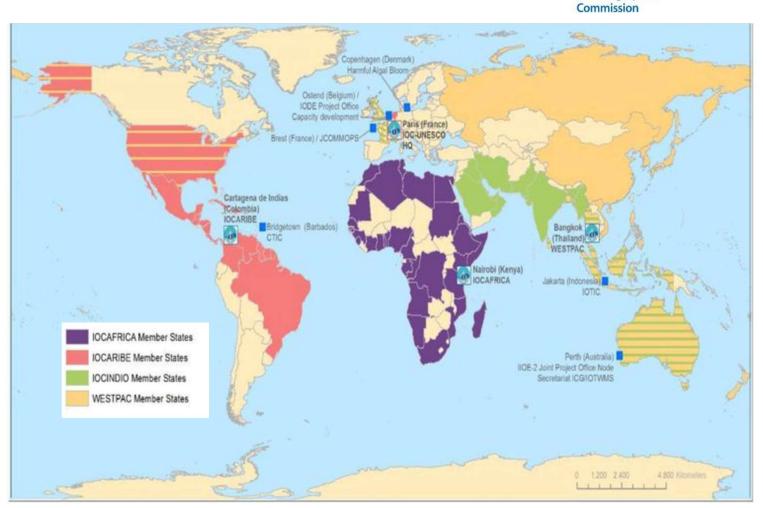




Strengthening regional capacity through the RSBs



- ➤ IOC CD: cross-cuts all other IOC functions: all functions adopt and deliver IOC CD Strategy and IP as a key output
- IOC CD: Strategy and IP supportive of RSBs and their identified priority needs through
- RSBs are key in the successful delivery and implementation of a cohesive and inclusive capacity development in the regions
- RSB should adopt and deliver IOC CD Strategy and IP as a key output
- Regions are all different and have varying CD needs and societal priorities
- > Support/Improve regional needs assessments
- develop regional workplans and team capacity (Working Groups, Focal Points..), that responds to the IOC capacity development strategy and IP





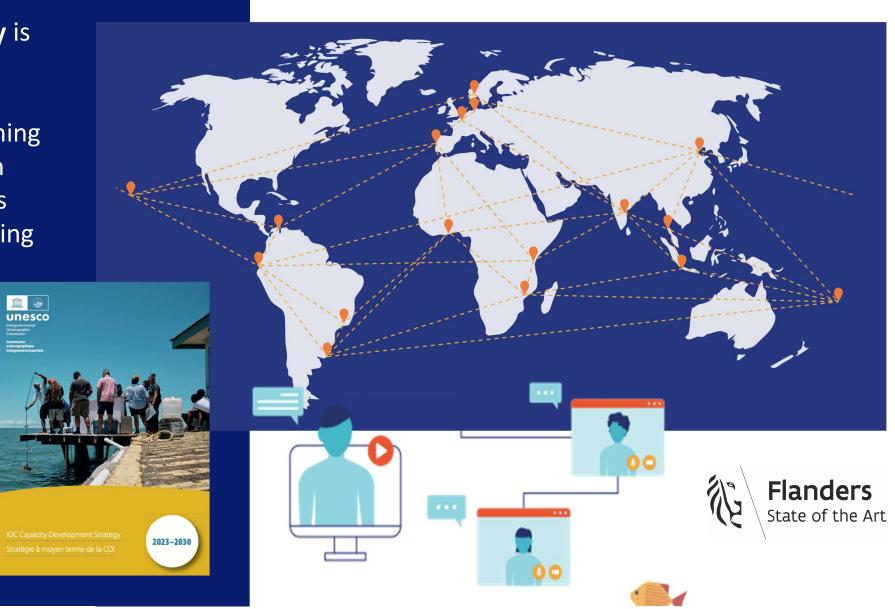


The OceanTeacher Global Academy is UNESCO-IOC's global network of Regional and Specialised <u>Training</u> Centres, and affiliated <u>partners</u>, aiming to build equitable capacity in ocean research, observations, and services worldwide through knowledge sharing and coordinated training.



OTGA Secretariat

UNESCO/IOC Project Office for IODE Oostende – Belgium







OTGA was developed to meet the training needs and priorities of IOC Programmes and Regions, including the UN Decade of Ocean Science for Sustainable Development, and Member States.

In the last 10 years, OTGA activities have expanded globally:

17 Training Centres (RTC/STC)

+100s of partners

+15 000 users

+50 courses yearly

4 languages EN ES PT FR

ISO-certified learning management system
Automated reporting (KPIs)







Regional and Specialized Training Centres in the Indian Ocean



(ITCOOcean)

India





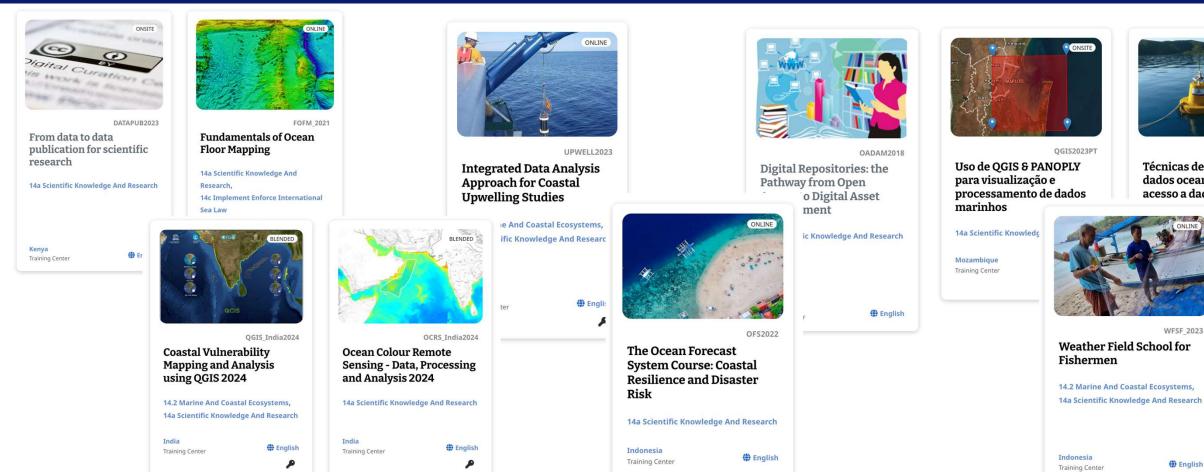


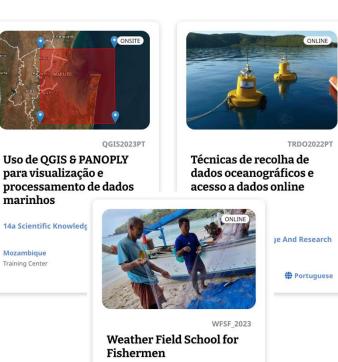






Portfolio of Courses





(English





Targeted training to emerging needs and priorities, mapped by IOC CD unit and IOCINDIO.

Create connections at the national levels, with the support of Member States, to expand the impact of training activities.

Mobilize resources to **empower RTC/STCs and other training centres** to enhance capacity to knowledge sharing about the ocean.

oceanteacher.org ioc.training@unesco.org



IOCINDIO-I: KEY INSIGHTS ON REGIONAL CAPACITY DEVELOPMENT

In view of the discussions that ensued this week from the workshops, session, including the WG CD meetings:

Regional cooperation and cross-regional collaboration:

Output 1:

- Development and implementation of training courses (Data architecture, OL, BBNJ, etc.)
- Organization and conduct of joint cruises with MS
- Visiting lecturer/scholar/researcher programmes and professional exchanges (peer to peer)

Output 2:

- Data Sharing and Management (Internships, Traineeships)

Output 4:

- Joint Research (Ocean policies, SOPM)

<u>Strategic partnerships:</u> with key UN agencies, NGOs, regional and global networks including regional nodes (e.g., OBIS regional nodes, OTGA RTC and STC, NODCs) and shared research infrastructures and field stations as hubs for internships/mentoring programmes and field practices

THESSI

Output 3:

C2Cs, OTGA RTCs/STCs, research institutions, HEIs, etc

IOC-IORA joint regional train the trainers fellowship

Output 5:

Ocean Literacy Leadership Program/OL Forum/Blue Schools/Best practices in the region

PROPOSED ACTIONS RELEVANT TO CAPACITY DEVELOPMENT



The Sub-Commission urged IOCINDIO Member States to:

- Strongly support the IOC Capacity Development Strategy 2023-2030 Implementation Plan by engaging national CD focal points in the implementation process;
- Work closely with the IOC CD Secretariat for central coordination of implementation and alignment with ongoing and new IOC-wide capacity development initiatives including the Ocean Decade, Data Architecture, SOPM, BBNJ, etc. in the region;
- Actively participate in the joint development and implementation of the next iteration of the IOC biennial CD survey in close coordination with the IOC CD Secretariat and the Group of Experts on Capacity Development (GE-CD);
- Increase support to OTGA Regional and Specialized Training Centres, including joining efforts to co-sponsor the development and improvement of training activities in the benefit of the alumni in the region.

Ongoing Call for Applications: 2025 UNESCO-IOC Ocean Traineeships

2025 HOST INSTITUTIONS

- 1. <u>Servicio de Hidrografia Naval</u> Buenos Aires, Argentina
- 2. <u>INCOIS</u> Hyderabad, India
- 3. Natural History Museum of Denmark Copenhagen, Denmark
- 4. <u>CSIRO NCMI Information and Data</u> <u>Centre, Tasmania, Australia</u>
- 5. <u>INVEMAR Marine and Coastal</u> Research Institute in Colombia
- Santa Marta, Colombia
- 6. <u>Decade Collaborative Center for</u>

 <u>Coastal Resilience, University of Bologna</u>

 Bologna, Italy





Intergovernmental Oceanographic Commission

IOC OCEAN TRAINEESHIPS 2025

2024 trainees from Indonesia and Tonga hosted at ITIC Hawaii

APPLY BY

23:59 CEST

Website: https://www.ioc-cd.org/
E-mail: ioc.training@unesco.org

Objectives:

- provide opportunities for hands-on learning and upskilling through a 3-month temporary assignment at a host institution with expertise in subject areas relevant to the IOC mandate
- contribute to building individual capacity and institutional capacity with a lasting impact on regional capacity

Trainees must:

- ✓ be at the early stages of career development
- ✓ be citizens from IOC Member States (from the DOECD DAC List of ODA);
- ✓ be employed by government institutions;
- ✓ work on relevant activities contributing to the implementation of capacity development work plans adopted by IOC Regional Sub-Commissions

Application requirements:

- ✓ A completed online application form
- ✓ A recommendation form from a supervisor at the employing organization
- ✓ A choice of 1 from 6 host institutions on the list for the 2025 cohort
- ✓ Agreement to the terms of the traineeship programme (See Application Guidelines)

UNESCO-IOC Capacity Development at the United Nations Ocean Conference





11 June 2025 (Wednesday)
10:00 AM - 12:00 NN
RV METEOR
OUTDOOR UPPER DECK



12 June 2025 (Thursday)
1:30 PM - 3:00 PM
STATSRAAD LEHMKUHL
THE FORE BANJER

UNOC Offsite Side-Events at the Port of Nice



THANK YOU

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