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Intergovernmental
Oceanographic
Commission

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

**Item 6.1
CD Needs Assessment Survey**

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22-24 October 2024**

WELCOME 2020 SURVEY

IOC Capacity Development surveys results

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Please rank the most critical capacity development needs to build ocean science capacity (currently not available) in your country.

Country	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
Argentina	7	8	7	8	9	7	8	9	9	9	9	9	9	9	9	9	9	9	9	9
Bahrain	8	8	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7
Chile	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8
Colombia	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8
Cuba	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8
Costa Rica	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8
Denmark	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8
Egypt	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8
El Salvador	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8
India	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8
Kenya	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8
Maldives	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8
Mexico	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8
Nigeria	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8
Philippines	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8
Poland	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8
Portugal	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8
Romania	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8
Russia	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8
Senegal	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8
South Africa	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8
Tanzania	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8
Turkey	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8
Ukraine	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8
USA	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8
Vietnam	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8
World	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8

Detailed report by country

LEGEND: Essential (red dot), Very important (green dot), Of Some importance (blue dot), Not Necessary (orange dot), Don't know (yellow dot)

Country	Institution	Your Position	Gender	Qualified ocean science professionals	Research vessels and research boats	Ocean observation equipment (satellites, buoys, floats, gliders etc.)	Ocean science sampling equipment and instrumentation	Laboratory equipment and facilities	Access to remotely sensed satellite data	Access to regional and/or global data	Digital infrastructure (computers, software etc.)	Internet connectivity	Access to high power computing	Access to current scientific literature
Argentina	Service de Hidrografía Naval	Technical Secretary	Male	Not Necessary	Not Necessary	Essential	Essential	Essential	Essential	Essential	Essential	Essential	Essential	Essential
Bahrain	National Archives and Library of Oceanographic Information	Director		Very important	Very important	Very important	Very important	Very important	Very important	Very important	Very important	Very important	Very important	Very important
Chile	CHILEAN NAVY AND COAST GUARD (OCN NAVAL Y SERVICIO DE GUARDIA COSTERA)	DIRECTOR	Male	Very important	Very important	Very important	Very important	Very important	Very important	Very important	Very important	Very important	Very important	Very important
Colombia	Observatorio Oceanográfico	International Fellow	Female	Very important	Very important	Very important	Very important	Very important	Very important	Very important	Very important	Very important	Very important	Very important
Costa Rica	Universidad de Costa Rica	Lecturer	Male	Very important	Very important	Very important	Very important	Very important	Very important	Very important	Very important	Very important	Very important	Very important
Denmark	State Hydrographic Administration	Director	Male	Very important	Very important	Very important	Very important	Very important	Very important	Very important	Very important	Very important	Very important	Very important
Egypt	National Institute of Oceanography and Fisheries	President of National Institute of Oceanography and Fisheries	Male	Very important	Very important	Very important	Very important	Very important	Very important	Very important	Very important	Very important	Very important	Very important
El Salvador	Ministerio de Medio Ambiente y Recursos Naturales	Coordinator of Oceanography	Male	Very important	Very important	Very important	Very important	Very important	Very important	Very important	Very important	Very important	Very important	Very important
India	Ministry of the Environment			Very important	Very important	Very important	Very important	Very important	Very important	Very important	Very important	Very important	Very important	Very important

BIENNIAL CD NEEDS ASSESSMENT SURVEY:

1st: 2018-2019

2nd: 2020-2021

3rd: 2022-2023

4th: 2024-2025

FULL RESULTS available online: <https://surveys.ioc-cd.org/>

- Detailed responses, individual and per stakeholder groups

Presented at various meetings:

1st Task Team Meeting on IOC CD Strategy

2nd Task Team Meeting on IOC CD Strategy

IOCARIBE Meeting

Pre-Assembly CD Webinar Series

OTGA SG meeting

GE-CD Meetings

Published reports:

DOCUMENT IOC/INF-1403

DOCUMENT IOC/INF-1396

2020 Capacity Development Needs Assessment Survey

Launched September 2020, closed February 2021



% Response Rate per country

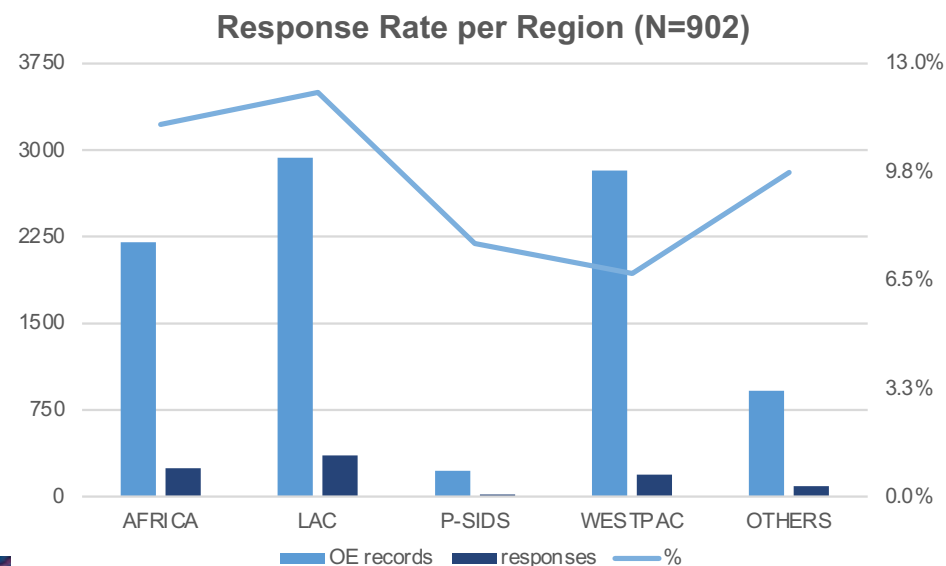
AFRICA		LAC		WESTPAC		PSIDS		OTHERS	
Algeria	8.33	Argentina	17.83	Bangladesh	10.33	Cook Islands	16.67	Afghanistan	100.00
Angola	0.00	Bahamas	0.00	China	1.11	Fiji	14.52	Albania	40.00
Benin	2.63	Barbados	5.17	India	5.39	Kiribati	0.00	Azerbaijan	0.00
Cabo Verde	6.67	Belize	9.52	Indonesia	8.38	Nauru	0.00	Democratic Pe	0.00
Cameroon	7.55	Brazil	43.28	Malaysia	3.59	NIUE	25.00	Georgia	0.00
Comoros	7.69	Chile	7.99	Philippines	16.80	Palau	25.00	Iran (Islamic R	7.06
Congo	0.00	Colombia	5.36	Singapore	3.23	Papua New G	0.00	Iraq	15.38
Côte d'Ivoire	40.00	Costa Rica	11.54	Sri Lanka	12.82	Samoa	0.00	Jordan	0.00
Djibouti	0.00	Cuba	12.00	Thailand	6.38	Solomon Islan	0.00	Kazakhstan	11.11
Egypt	6.29	Dominica	7.14	Vietnam	12.50	Tonga	2.86	Kuwait	7.69
Equatorial Guine	0.00	Dominican Rep	4.03			Tuvalu	28.57	Lebanon	10.00
Eritrea	0.00	Ecuador	6.94			Vanuatu	0.00	Maldives	0.00
Ethiopia	11.76	El Salvador	10.26					Montenegro	50.00
Gabon	0.00	Grenada	33.33					Myanmar	16.67
Gambia	12.50	Guatemala	8.93					Oman	8.59
Ghana	16.98	Guyana	11.11					Pakistan	10.40
Guinea	27.27	Haiti	2.70					Qatar	0.00
Guinea-Bissau	25.00	Honduras	2.22					Romania	
Kenya	11.00	Jamaica	13.33					Saudi Arabia	2.22
Libya	0.00	Mexico	9.89					Serbia	0.00
Madagascar	13.25	Nicaragua	7.14					Syrian Arab Re	0.00
Mali	0.00	Panama	20.69					Timor-Leste	21.43
Mauritania	6.45	Peru	12.00					Turkey	13.77
Mauritius	12.70	Saint Kitts and	27.27					Turkmenistan	0.00
Morocco	8.04	Saint Lucia	5.88					Ukraine	5.48
Mozambique	4.50	Saint Vincent a	15.00					United Arab Er	15.38
Namibia	5.15	Suriname	50.00					Yemen	0.00
Nigeria	23.42	Trinidad and To	10.71						
Senegal	14.15	Uruguay	13.73						
Seychelles	19.67	Venezuela (Bol	12.36						
Sierra Leone	0.00								
Somalia	20.00						>10%		
South Africa	9.66						NO RESPONSE		
Sudan	17.24								
Togo	17.14								
Tunisia	7.92								
United Republic	8.47								

TOTAL RESPONSES: 1005 from 118 countries

Of 115 developing country member states;

- 902 responses received
- 26 countries with NO responses
- 90 IOC national focal points (78%) did NOT respond to the Circular Letter and did not fill the survey

RECEIVED ONLY 25 IOC Focal Points, 10 IOC CD Focal Points



2022 Capacity Development Needs Assessment Survey

- *Joint review in close collaboration with the GOSR team*
- *Complementary approach and joint effort in launching both surveys*
- *Synthesized questions resulting to shorter questionnaire with no other subset questionnaires for subset groups*
- *Respondents:*
 - *only IOC National Focal Points as ONE NATIONAL RESPONSE*

Launched: *December 2022-January 2023, closed March 2023 (through CL 2919)*

Results:
*from 17 out of 150 IOC member states (11%);
13 out of 115 developing country IOC member states (12%).*

Gender breakdown
56% male, 44% women

2 Sections

Section 1:
Respondent details

Section 2:
*Capacity development needs
Ocean Decade*

IOC Capacity Development Needs Assessment 2022 Survey Questionnaire

Capacity Development (CD) is an essential tenet of IOC's mission. It enables all Member States to participate in and benefit from ocean research and services that are vital to sustainable development and human welfare on the planet. The vision contained in the IOC Capacity Development Strategy identifies capacity development as the primary catalyst through which IOC will achieve its four high level objectives in the current 2022-2029 IOC Medium-Term Strategy.

While the GOSR Tracker aims to collect basic information on current ocean science capacity in a given country, this Capacity Development Needs Assessment Survey is organised by the IOC Group of Experts on Capacity Development to assess the capacity development requirements of all member countries in order to contribute to the implementation of the IOC CD Strategy

Section 1: Respondent Details

1. Please note that this information will be used to follow up with the respondent in case further questions regarding the information provided arise. Data and information provided are treated as a national authorized submission.

Country:
Full name of respondent (First name, Family name):
Job Title:
Institution/Organization:
Email Address:
Tel. No:
Gender:
OceanExpert ID:

2. Does your country have a "national coordinating body" to coordinate its cooperation with IOC?

YES NO

If "NO" then why not: ...

3. Has your country designated a IOC national focal point for capacity development?

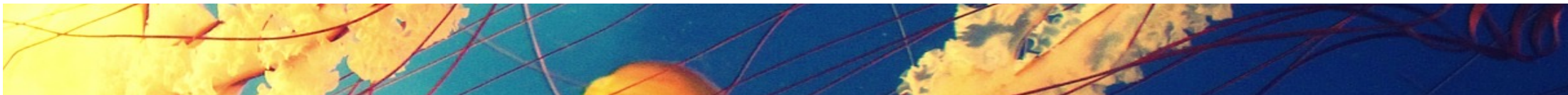
YES NO

If "NO" then why not:



IOC DECISION EC-57/4.6

- v. advise the IOC CD Secretariat on the design and implementation of the biennial CD survey in close collaboration with the regions, possibly including CD implementation impact monitoring/metrics, also taking into account other methods such as regional reviews, science conferences etc.;
- vi. ensure coordination of the work of the Group of Experts and its Task Teams with GOSR and CD aspects of the United Nations Decade of Ocean Science for Sustainable Development, including the Capacity Development Facility and Working Group 9 of the Vision 2030;



Recommendations:

- Given the low response rate, the close engagement and involvement of the regional secretariats in the design and conduct of the survey was underlined to capture specific CD needs in their respective regions;
- Task Team on needs assessment/survey (See 5) to help redesign the IOC CD biennial needs assessment survey based on the outcomes of the needs assessment template with the RSBs;
- design the structure and methodology of the 4th reiteration in close collaboration with global and regional programmes to capture requirements on specific CD needs;
- conduct the CD survey in collaboration with regional secretariats, especially in identifying and reaching out to key stakeholder groups as targeted respondents in their respective regions;
- collaborate with other survey requirements of other programmes, e.g. GEBCO, CD Facility, Ocean Policies, GOSR, etc.

2024-2025 CD NEEDS ASSESSMENT SURVEY



Proposed Timeline

Redesign CD biennial survey	TT on Needs Assessment/Survey CD Secretariat	April – May 2025
Organize CD biennial survey	GE-CD CD Secretariat	June – July 2025
Implement CD biennial survey	RSBs Secretariats IOC CD Secretariat	August – October 2025



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THANK YOU