

GGC IS01 2022

Items 3.1 and 3.2

IHO & IOC Update on Strategic Priorities

2 February 2022

IHO & IOC Representatives

Background

IHO, IOC and GEBCO Chair/Vice Chair meeting December 2021

- Acknowledged the changing ocean science and seabed mapping landscape
- Acknowledged a number of personnel changes
- Agreed a desire to better integrate NIPPON Foundation GEBCO SB2030 Project
- Agreed that a routine review of governance is good practice

Considerations

- Alignment to IHO & IOC strategic objectives
- Linkages to other activities/initiatives/bodies of parent organisations
- A need to avoid duplication of effort
- Harmonised communication activity

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IHO Update on Strategic Priorities

2 February 2022
Director Luigi Sinapi - IHO

IHO Strategic Priorities (1 of 3)

Strategic Objectives

- Participating actively in international initiatives related to the knowledge and the sustainable use of the Ocean (IHO Strategic Plan 2021-2026 – GOAL 3)
- Improve knowledge of the world's seafloors (IHO Strategic Plan 2021-2026 – TARGET 3.2)

Linkages to other activities/initiatives/bodies

- Measure the performance of GEBCO through the implementation of the IHO Strategic Plan – Strategic Performance Indicators (SPI) in cooperation with CSBWG and DCDB:
 - Amount of data received per year by the IHO DCDB (SPI 3.2.1)
 - Number of contributors to DCDB who are not hydrographic offices (SPI 3.2.2)
 - Percentage of total sea area that is Seabed 2030 compliant for ingestion into the GEBCO dataset and services (SPI 3.2.3)

IHO Strategic Priorities (2 of 3)

Strategic Objectives

- Implement a synergic GEBCO-Sebed2030 approach to the Agenda 2030 Sustainable Development Goal 14 of the United-Nations and UN Decade 2021-2030 of Ocean Sciences
- Frame the resources devoted to the knowledge and description of the Ocean, by focusing on the HIGH SEAS' areas and engaging with any sort of Institution/Company/Research Centre/University (Agreements, MoU, etc.)

Linkages to other activities/initiatives/bodies

- UNESCO – Intergovernmental Oceanographic Commission
- Nippon Foundation GEBCO-Seabed 2030
- IHO IRCC, Regional Hydrographic Commissions (via CSB/GEBCO/Seabed2030 Coordinators) and Member States (via HOs)
- Engaging other IHO bodies such as the new Hydrographic Survey Working Group (HSWG) etc.



IHO Strategic Priorities (3 of 3)

Strategic Objectives

- Implement a GEBCO Communication Strategy aligned with the IHO-IOC Communication Strategies
- Define the rules of mutually supplementing engagement of different bodies/organizations involved (SCOPE, GGC, IHO/IOC, CSB and Seabed2030)

Linkages to other activities/initiatives/bodies

- IHO PRCO as permanent active partner
- Tight liaison with Seabed2030 (i.e. Coral reef discover in Tahiti announced by CNN)
- Consider how an integrated communication strategy that spans SB2030, IHO, IOC, UN Decade etc. can be developed and implemented

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IOC Update on Strategic Priorities

2 February 2022
Julian Barbier - IOC

IOC Strategic Priorities

New High-level Objectives

- **Healthy ocean and sustained ocean ecosystem services;**
- **Effective warning systems and preparedness for tsunamis and other ocean-related hazards;**
- **Resilience to climate change and contribution to its mitigation;**
- **Scientifically-founded services for the sustainable ocean economy; and**
- **Foresight on emerging ocean science issues.**

IOC MEDIUM TERM STRATEGY 2022-2029

One Planet, One Ocean



**E: contributions to 2030 Agenda and
SDG 14, UN, UNFCCC + Paris
Agreement, BBNJ, CBD, Sendai;
Coastal zones, LME, ...**

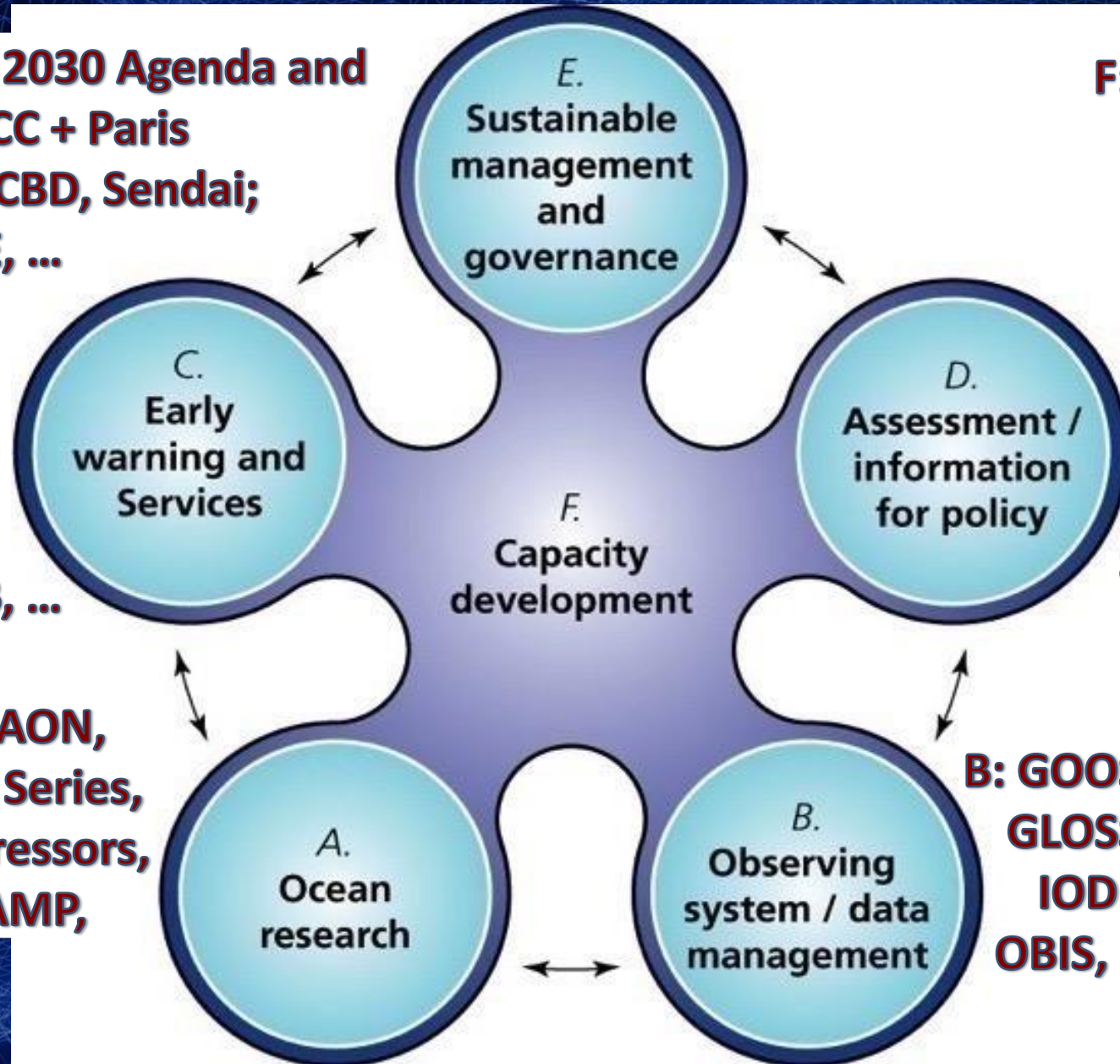
**F: OTGA, CD, GOSR, TMT,
Ocean literacy,
Communication,
Education, ...**

**C: Tsunami,
HABs, Ocean
Prediction
and Services,
WMO/IOC JCB, ...**

**D: IPCC,
WOA,
SDG 14.3,
SDG 14.a, GEBCO, ...**

**A: IIOE-2, GOAON,
GO₂NE, Time Series,
TrendsPO, Stressors,
Carbon, GESAMP,
WCRP, ...**

**B: GOOS,
GLOSS,
IODE,
OBIS, ...**



Moving to action in the Ocean Decade





DECADE OUTCOMES

"THE OCEAN
WE WANT"

- A clean ocean
- A healthy and resilient ocean
- A productive ocean
- A predicted ocean
- A safe ocean
- An accessible ocean
- An inspiring and engaging ocean

OCEAN DECADE CHALLENGES



Pollutants

Coastal bathymetry



Ecosystems

Mapping central



Food from the Ocean

Bathymetry dependent



Ocean economy

Mapping intensive



Ocean-climate nexus

Modelling, SLR, etc.



Ocean-related risks

Bathymetry intensive



Ocean observing system

Georeferencing



Ocean digital representation

Central facility



Capacity development

Strongly needed



Behaviour change

Resonates with people

What the Decade could do for ocean mapping?

Promote a global campaign to map the ocean floor

Communicate and Increase government/private sector/public awareness of the importance of bathymetry in supporting all human activity in, on or under the sea,

Global efforts to improve the collection, quality and availability of bathymetric data through various communities – also adding value by integrating other types of data

Provide incentives to contribute data to GEBCO/SB 2030 as contribution to the UN Decade

Catalyze investment towards data gathering and management infrastructures (esp national level)

Facilitate data systems interoperability, leading to enhanced accessibility

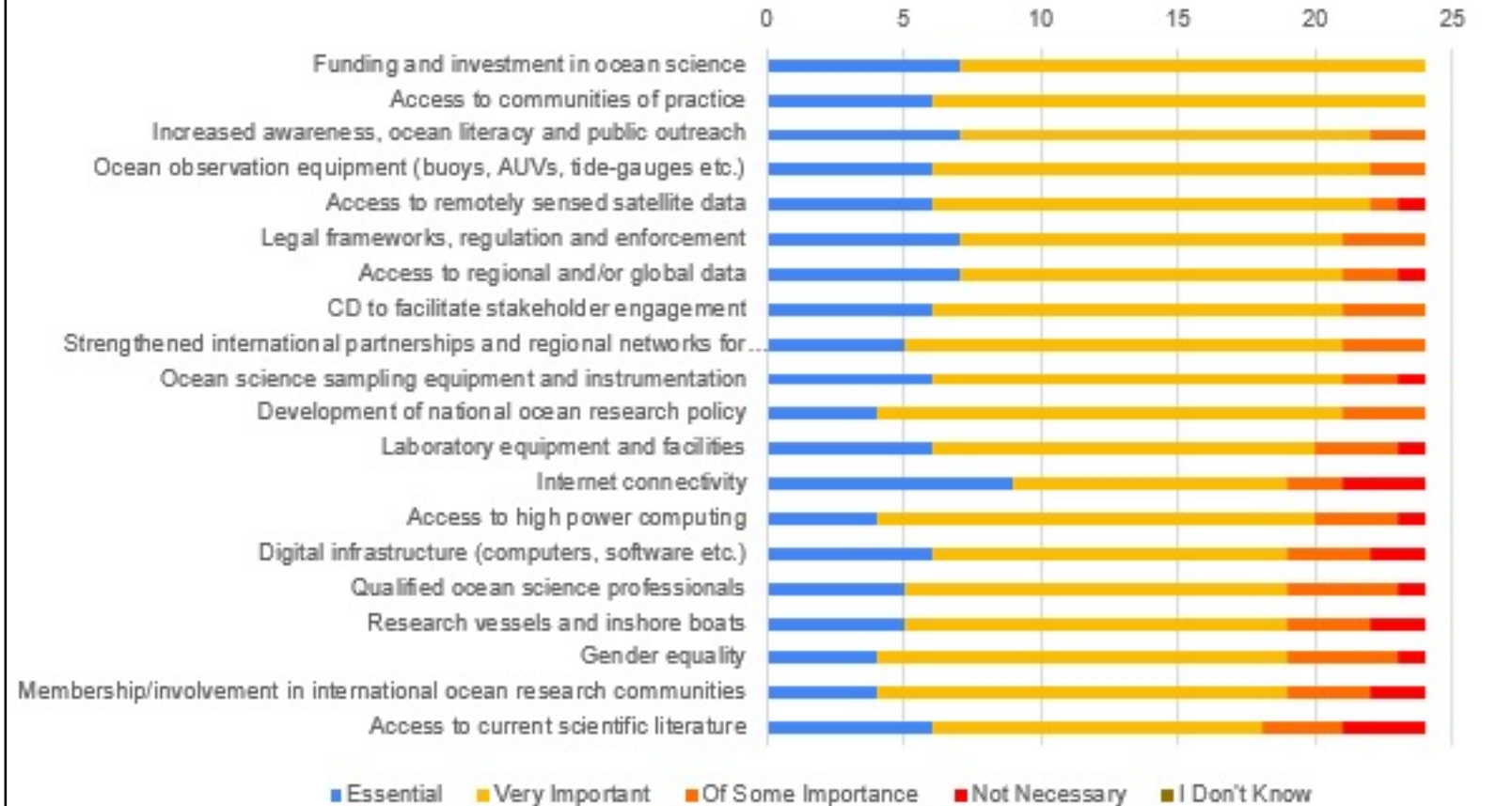
Improved technical capacities worldwide to develop maps and use mapping products for SD (knowledge to policy/management)

IOC Strategic developments

- Development of Pilot **State of the Ocean Report (StOR)** to be presented to IOC EC (June 22), providing a regular platform to showcase knowledge generated by IOC programmes (incl GEBCO)
- Establishment of the **IOC Ocean Data and Information System (ODIS)**
- Development of **UN Decade Tsunami Programme** (ref collaboration with GEBCO/SB2030)
- Review of **SDG 14 implementation** - UN Ocean Conference / High Level Policy Forum UN – focus on science and innovation]

IOC CD Survey 2020: MOST CRITICAL CAPACITY DEVELOPMENT NEEDS

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



TOP CRITICAL CD NEEDS

1. Funding and investment
2. Access to communities of practice
3. Increased awareness, ocean literacy and public outreach
4. Ocean observation equipment
5. Access to remotely sensed satellite data

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Next Steps

2 February 2022
Sam Harper – GEBCO Permanent Secretary

Development of Work Plans

Alignment with Strategic Objectives

- IHO and IOC staff here to provide advice
- Intention is not to be prescriptive but is to maximize impact and efficiency
- Overarching GEBCO Objectives remain the primary driver
- This is an opportunity to ensure that GEBCO output is recognized fully and given due credit as an essential component of parent organizations' portfolios

Coordination with other IHO & IOC activities/initiatives/bodies

- Avoid duplication of effort
- Share expertise and perspective
- Grow the community
- Challenge our own preconceptions

Proposed Governance Review

What?

- A full review of GEBCO Governance including finance
- Review of ToRs, RoPs for GGC and all subordinate bodies
- Consultative process with Chair teams of all GEBCO Bodies and interaction SB2030
- Report with findings to GGC for consideration

Who?

- Led by representatives from parent organisations
- Overseen by GGC Task Group
- Support from external consultants as required

When?

- IHO and IOC, together with GGC Chair and Vice Chair work on GR ToRs, scope, methodology and any budget required
- Proposal presented to GGC 38 in April 2022
- Preliminary findings presented to GGC 39 Nov 2022
- Report finalized for GGC intercessional meeting 01 2023
- Implementation of findings and report to IRCC 2023
- IHO and IOC Assemblies in 2023