

10th Meeting of the **Arctic Region Hydrographic Commission (ARHC) VTC**, 13 August 2020

IHO Secretariat Report Dr Mathias Jonas Secretary-General

This verbal report focuses

1) on selected items concluding with a recommendation of the Secretariat 2) briefs about IHO's involvement into UN Decade of Ocean Science



Extract from IHO Secretariat's Report (1)

International Hydrographic Organization As a consequence of the postponement of the 2nd IHO Assembly, Member States voted by correspondence on proposals submitted for consideration by the 2nd session of the Assembly.

Member States approved the Revision of the IHO Resolution 2/1997 – Establishment of Regional Hydrographic Commissions (RHC).

ARHC is invited to adapt their respective instruments to comply with the recommendations of the IHO Resolution 2/1997 as amended by A-2.



Extract from IHO Secretariat's Report (2)

International Hydrographic Organization Formation of the new IHO Council: Russian Federation (Commission seat), Canada (via USCHC), Norway (via tonnage list), USA (via tonnage list), plus the Associate Members Italy (via MBSHC) and Finland (via NHC).

Secretariat proposes the election of the new Council Chair and Vice-Chair by correspondence in advance of the Council meeting. (ACL28/2020)

Prospective IHO Council members from ARHC to consider if and how issues of the Arctic Region of interest for the IHO may be included into the Council programme of work.



Extract from IHO Secretariat's Report (3)

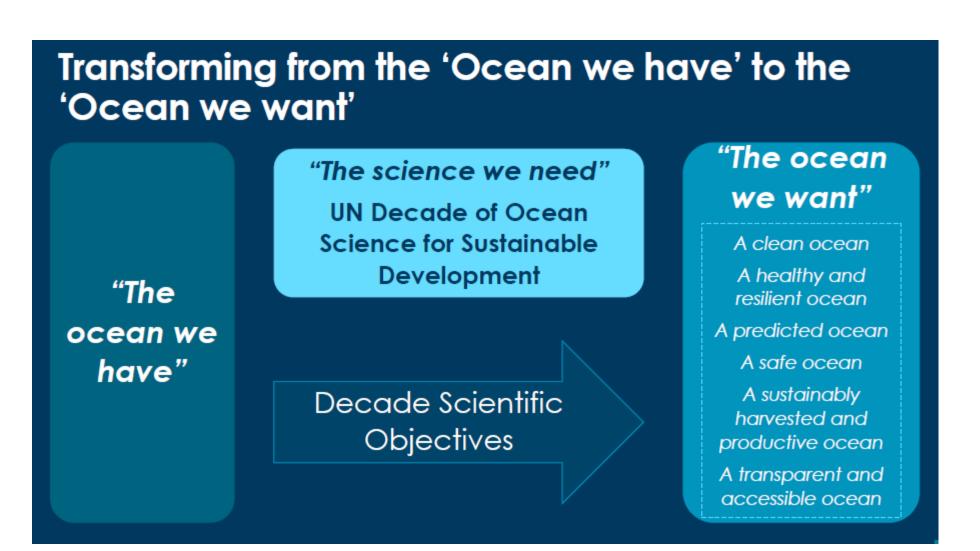
International Hydrographic Organization INT Chart / ENC production is coordinated by Norway (Mr Edward Hands). It is suggested that ARHC should establish an approved multi-scale ENC scheme that will be of great value when the transition from S-57 ENCs to S-101 ENCs starts to become operational.

The development of the WEND100 Principles is a key component of the S-100 Implementation Roadmap. This work is in good progress by the WENDWG (chaired by Mr John Nyberg, NOAA, USA). Outcome will be reported at IRCC-12 and possibly at A-2/C-4.



UN Ocean Decade – General motivation

International Hydrographic Organization





UN Ocean Decade – Preparatory phase





Planning

Between May 2019 and May 2020, **global**, **thematic**, and regional planning meetings convened over **1000 participants** from the scientific community, governments, UN agencies, NGOs, private sector and donors across nine ocean basins.

Draft Implementation Plan Version 2

Developed by broad consultation (incl. IHO) and submitted to forthcoming UN Assembly (Sept 2020) for Approval



UN Ocean Decade – ready for action

International Hydrographic Organization





UN Ocean Decade – objectives to take benefit from IHO competencies

International Hydrographic Organization

Obj. 1: Increase transformative ocean knowledge capacity and capability globally

Obj. 2: Expand, innovate and integrate ocean knowledge systems globally

Obj 3: Understand and predict the whole ocean system and its component parts

Obj 4: Develop integrated assessment and decision support systems and other transformational tools and processes

Data portals (IHO: MSDI) based on open data approach (IHO: Standardization) expanding scientific and technical capability (IHO: capacity building) global ocean observing systems (IHO: tides, currents, plastic monitoring (?)) partnering with information generators and end-users develop and maintain new technology (IHO: Satellite derived bathymetry, autonomous technologies, S-44) integrate local knowledge (IHO: RHCs) Ocean Mapping (IHO: DCDB, CSB, GEBCO, S-100 data products interoperability) Develop and disseminate analytical tools to predict human and environmental interactions based on multiple stressors. (IHO: existing means for navigation in Arctic waters and S-101 next Generation ENC in combination with AIS and others)



UN Ocean Decade – Actions match with IHO's new strategic targets and can take benefit from IHO's established approach

International Hydrographic Organization

Proposed Actions will need to:

- Contribute to achieving the Decade objectives and the associated strategic orientations.
- Accelerate the generation of knowledge and understanding of the ocean.
- 3. Enable the **uptake** of science and ocean knowledge at societal and policy levels
- Ensure that all data and resulting knowledge are provided in an open access, shared, discoverable and are deposited in recognized data repositories

Actions should also include:

- Multi-country, Multi-actor Partnerships
- Capability and capacity
 development, including to
 beneficiaries in Small Island
 Developing States (SIDS) and
 Least Developed Countries (LDCs).
 - Gender, generational, and geographic diversity
- Integration of local and indigenous sources of knowledge.