



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)

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)

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)

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

Transforming from the ‘Ocean we have’ to the ‘Ocean we want’

**“The
ocean we
have”**

“The science we need”
UN Decade of Ocean
Science for Sustainable
Development

Decade Scientific
Objectives

**“The ocean
we want”**

A clean ocean
A healthy and resilient ocean
A predicted ocean
A safe ocean
A sustainably harvested and productive ocean
A transparent and accessible ocean



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UN Ocean Decade – Preparatory phase

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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



Structure of the Implementation Plan

Part 1

Rationale for the Decade and the **desired state of the ocean** at the end of the Decade.

Part 2

Framework for the **design and implementation of Actions** throughout the Decade, including **scientific objectives** of the Decade and a **set of strategic orientations** to organize Decade Actions as well as **principles to guide data management, capacity development, and engagement** with different stakeholders.

Part 3

Governance and **coordination**, mechanisms for **resource mobilisation** and the process to **measure progress**.



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UN Ocean Decade – objectives to take benefit from IHO competencies

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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)



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

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Proposed Actions will need to:

1. Contribute to achieving the Decade objectives and the associated strategic orientations.
2. **Accelerate** the generation of knowledge and understanding of the ocean.
3. Enable the **uptake** of science and ocean knowledge at societal and policy levels
4. 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.