



34th Meeting of the North Sea Hydrographic Commission

Strategic Plan Review Working Group (SPRWG) update
Implementation of Strategic Plan: what action can HSHC take?

[France, Shom]

NSHC34, VTC, 27 – 28 April 2021



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SPRWG - APRIL 2017 TO NOVEMBER 2020

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Origin – Assembly decided the review of the IHO Strategic Plan by the Council (Apr. 2017 - Decision A1/03)

Strategic Plan Review WG established by the Council (Oct. 2017 - Decision C1/37)

TORs and ROP of the SPRWG approved by the IHO MS (Feb. 2018 -CL 20/2018)

23 Member States (including DK, FR, NO, NL, UK and the IHO SG)

FR chair, JP Vice Chair and CA Secretary

Scoping phase presented at C2 (2018)

Drafting phase - C3 (2019) decided to submit the Revised Strategic Plan at the A2



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IHO Strategic Plan 2021-2026 approved by the Assembly (Decision A2/19)

Assembly tasked the Council to monitor closely the appropriateness and applicability of the proposed **Strategic Performance Indicators** and amend them if deemed necessary. (Decision A2/20)

SPRWG disbanded – (Decisions A2/21 and C4/38)

Decision C4/39: The Council agreed on the allocation of the SPIs to the Secretary-General, HSSC and IRCC (Doc. C4-06.1A refers).

Secretary-General, HSSC and IRCC (Chairs/Vice-Chairs), RHCs (Chairs/Vice-Chairs) to experiment the implementation of the Strategic Plan and consider, following gap analysis if appropriate, whether our organization and work programmes are fit for purpose (deadline C5).



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IHO STRATEGIC PLAN 2021-2026

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Hydrographic offices are facing significant challenges that shape the context in which the IHO builds the strategy to fulfil its vision:

- Growing needs for hydrographic knowledge, for increasingly diversified customers
- Progress in sensors, carriers and IT technology
- Data revolution, transforming the hydrographic ecosystem of gathering, processing and provision
- Increasing environmental, societal and economic attention to the Ocean

The Strategic Plan consists in **3 Goals and 9 Targets**

https://iho.int/uploads/user/About%20IHO/Strategic%20Plan/IHOS P2021_2026_final.pdf

Strategic Plan Indicators and metrics are a tool for monitoring the achievement of the Targets of the Strategic Plan



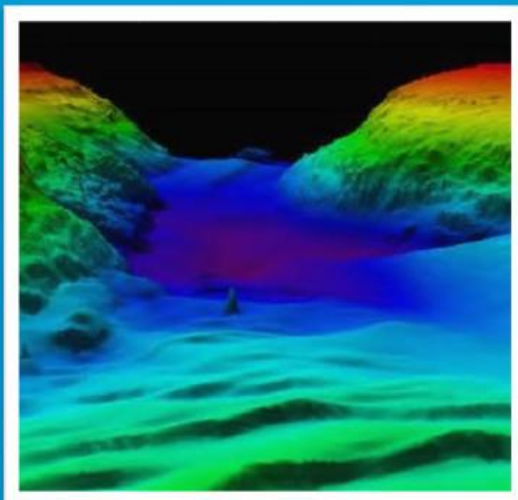
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IHO SP 2021-2026 – GOAL 1

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Goal 1

Evolving the hydrographic support for safety and efficiency of maritime navigation, undergoing profound transformation



On-going transformation in navigation, such as e-navigation, autonomous shipping, reduction of emissions, lead to a profound evolution of hydrographic services, in a context of high demands for digital data.

Target

- Deliver standards for hydrographic data and specifications of hydrographic products; support their regular production; and coordinate regional and global services for their provision
- Develop standards, specifications and guidelines in the areas of data assurance, including cyber security and data quality assessment
- Use capacity building and training to develop and increase the ability of Member States to support safety and efficiency of maritime navigation

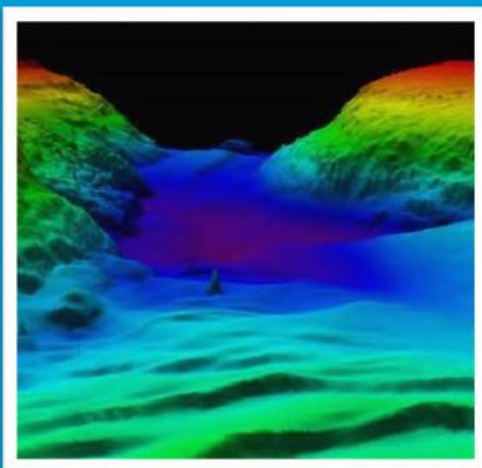


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Goal 1

Evolving the hydrographic support for safety and efficiency of maritime navigation, undergoing profound transformation



On-going transformation in navigation, such as e-navigation, autonomous shipping, reduction of emissions, lead to a profound evolution of hydrographic services, in a context of high demands for digital data.

Strategic Performance Indicator

- Percentage of Member States having operationalized production and distribution of hydrographic data products and services based on IHO Universal Hydrographic Data Model (S-100), under an implementation framework of coordination and agreed timelines (2026: 100%)
- Number of hydrographic data products and services based on the Universal Hydrographic Data Model that cater for the new requirements: autonomous shipping, reduction of emissions
- Percentage of hydrographic data products and services based on the S-100 model that are covered by IHO standards, specifications and guidelines on cyber security (2026: 100%)
- Percentage of navigationally significant areas (e.g. charted traffic separation schemes, anchorages, channels) for which the adequacy of the hydrographic knowledge is assessed through the use of appropriate quality indicators (2026: 100%)
- Ability and capability of Member States to meet the requirements and delivery phases of the S-100 implementation on plan (2026: 50%)



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NSHC RESPONSE?

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In line with Decision C4/39, like the SWPHC (Feb. 2021), develop a common NSHC gap analysis based on each coastal state analysis?

For each goal and against targets

- Where are we now?
- What is the gap?
- What is the role of the NSHC to meet the goals and targets
- How do we collectively meet the challenges and achieve the goals and targets?



TABLE GOAL1 OF THE SWPHC ANALYSIS

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GOAL 1	Target	Current State	Gap	Actions
Evolving the hydrographic support for safety and efficiency of maritime navigation, undergoing profound transformation	<ul style="list-style-type: none">• Deliver standards for hydrographic data and specifications of hydrographic products; support their regular production; and coordinate regional and global services for their provision• Develop standards, specifications and guidelines in the areas of data assurance, including cyber security and data quality assessment• Use capacity building and training to develop and increase the ability of Member States to support safety and efficiency of maritime navigation			



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EMERGING ACTIONS FROM THE SWPHC ANALYSIS

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SWPHC assessment and conclusions still in progress

For Goal 1 "Evolving the hydrographic support for safety and efficiency of maritime navigation, undergoing profound transformation"

- Share and collaborate S-100 implementation strategies among members
- Identify and develop capacity building, including developing tools for S-100# implementation
- Identify available or support development of risk assessment tools



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EMERGING ACTIONS FROM THE SWPHC ANALYSIS

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For Goal 2 « Increasing the use of hydrographic data for the benefit of society »

- Leverage MSDIWG maturity assessment effort to establish an MSDI baseline.
- Conduct a regional inventory of existing portals and consider next steps, including possible development of an SWHPC exclusive portal, and work with the IHO to develop a report of portals capability
- Promote/increase awareness of new survey tools and techniques
- Prepare operational geospatial framework for the region



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EMERGING ACTIONS FROM THE SWPHC ANALYSIS

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For Goal 3 "Participating actively in international initiatives related to the knowledge and the sustainable use of the Ocean"

- Continue to emphasize basic or advanced MSI training
- Establish cohesive regional awareness of ocean and marine affairs and priorities
- Align SWHPC initiatives with UN Decade of Ocean Science
- Explore catalytic CB efforts where activities could be more immediate toward items with short term impacts
- Consider a model for developing a regional plan by organizing the regional work plan first along the IHO SP goals and then work backward to identify steps to address gaps or needs