



6th Meeting of the IHO Council

SPI allocated to IRCC

C.6-04.A



IHO

CRITERIA

Assumptions and driving factors:

- a) **Keep it simple.**
- b) Derive figures that are **measuring the success.**
- c) For the period of the Strategic Plan they have to be **comparable for each year.**
- d) **Use of existing digital tools** available at the IHO Secretariat
- e) Find worldwide indicators that **doesn't leave any MS behind.**
- f) Main focus on **quality** rather than quantity in defining the metrics.
- g) **MSDI portal will not be ready before 2024**
- h) **IHO CL 23/2022 - IHO Strategic Plan 2021 - 2026 Determination of figures to calculate the Strategic Performance Indicators (SPI) assigned to IRCC**



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SPI 1.2.2

Percentage of navigationally significant areas (...) for which the adequacy of the hydrographic knowledge is assessed through the use of appropriate quality indicators.

Navigationally significant areas: areas covered by Usage Bands 3 to 5

Appropriate quality indicator: Percentage of the area, where CATZOC is other than U (Unassessed).

Note 1: UB 3-5 are considered to be produced, when the respective area is navigationally significant.

Note 2: Areas covered by several UB ENC to be counted from the higher UB only.

Note 3: Assessing the adequacy is not the same as being adequate.

Note 4: This can be developed further at a later stage. HSSC to be asked for support.

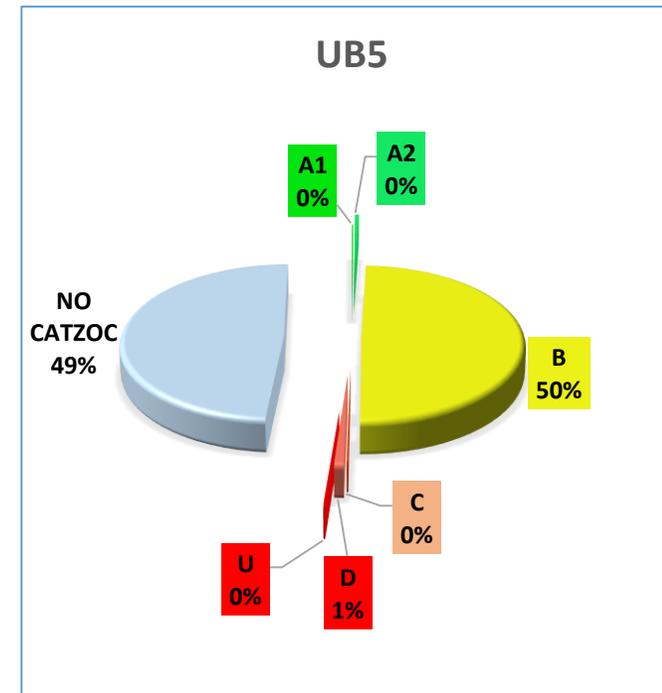
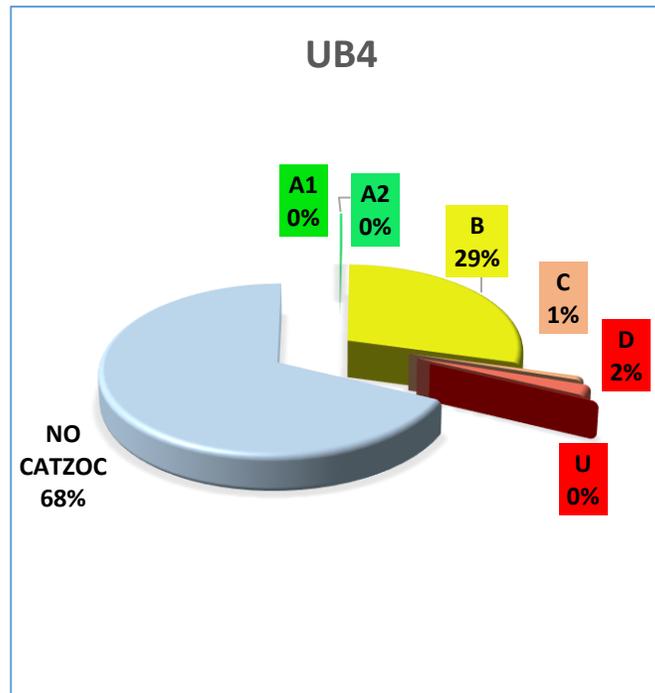
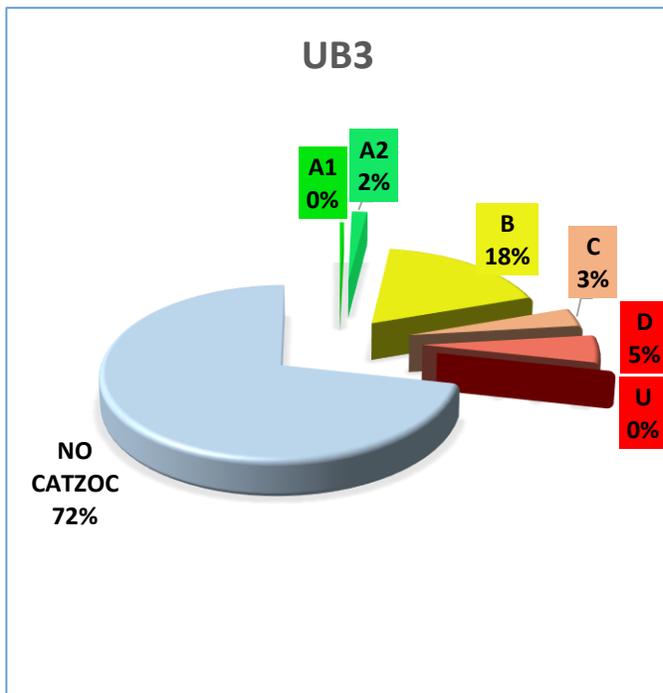
The calculation is being done by IHO Secretariat regularly.

Target for 2026: 100%

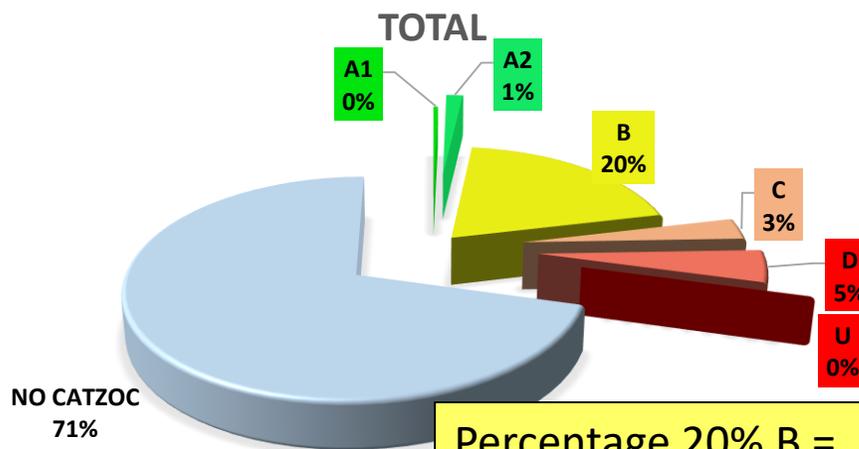


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In order to avoid significant “NO CATZOC” %, IHO MS are invited to authorize RENCs to provide data to IHO Secretariat



Percentage 20% B = $\frac{\text{CATZOC B area km}^2}{\text{total area km}^2 \text{ of UB3+4+5 coverage}}$



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SPI 1.3.1

Ability and capability of Member States to meet the requirements and delivery phases of the S100 implementation plan

Filled IGIF template provided by WEND WG. Figures are “yes/partially/no” per each RHC.

Target: 50% yes

Note 1: The SPI measures the ability and capability to meet the requirements, not the production itself.

Note 2: WEND WG to provide the template.



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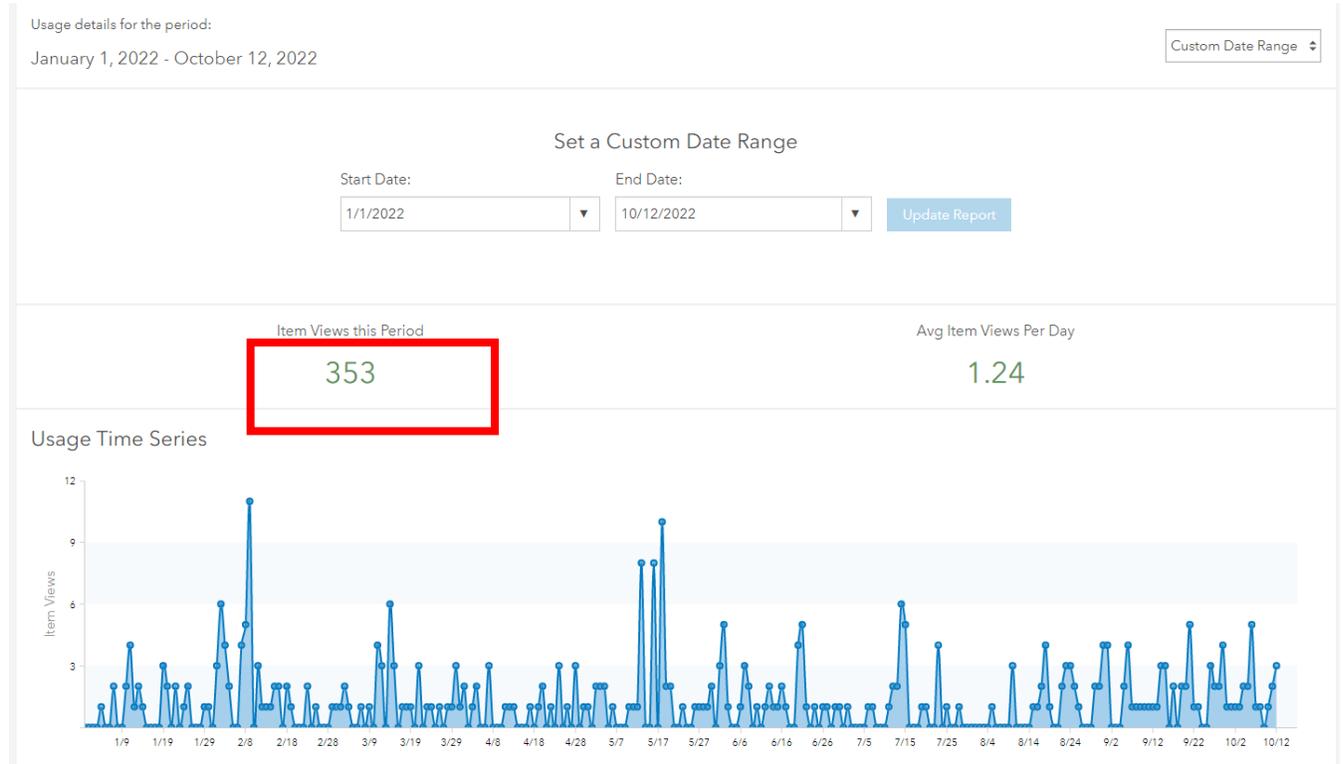
SPI 2.1.1

Number of hits downloading data/information from the portal

International Hydrographic Organization

IHO Secretariat to extract the number of accesses to the Map of National Geo-portals per year using the GIS tools.

The figure is a number, there is no concrete target other than an increase over time.





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SPI 2.2.1 Percentage of adequately surveyed area per coastal state

Use C-55 and additional GEBCO/Seabed2030 information,

IHO Secretariat to derive figures from C-55 for “adequately surveyed”, per coastal state regularly. For the coastal state with more than one region in C-55, the value will be defined by the weighted average of the regions based on the areas.

The results are in % per coastal state.

To report the figures, a strategic overview based on percentage intervals will be applied.

Task GEBCO GC to provide an additional figure for each RHC on the Seabed2030 information.

Note 1: C-55 is considered as reference by the Strategic Plan WG.

Note 2: The definition of “adequately surveyed area” is for the time being done by MS and shall be developed by DQWG at a later stage (ask HSSC to task DQWG to do so).

In the meantime HSSC answered to use S-44 for defining the adequacy.



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SPI 2.3.1

Number of HOs reporting success applying the UN shared guiding principles for geospatial information management in order to ensure in their national contexts.

The guiding principles are very generic. A questionnaire will be quite simple to be provided and to be answered. It will be asking MS whether they applied the principles fully, partially or not yet.

IHO Secretariat to send a CL and compute the results for 2022.

RHC to include an update for their respective region in their report to IRCC.

Target: 70% of MS

Note 1: CL sent by the IHO Secretariat. Table of results to be provided to RHC by IHO Secretariat by December.



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3.1.1

Percentage of Coastal States that are capable to provide marine safety information (MSI) according to the joint IMO/IHO/WMO manual on MSI

Task of WWNWS

Target: 90% of Coastal States

Actually **62%**



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3.2.1

Amount of data received per year by the IHO Data Centre for Digital Bathymetry (DCDB)

3.2.2

Number of contributors to DCDB who are not hydrographic offices.

Comment SPRWG: Monitoring will be based on the increase of the value of the indicators, and assessment of its significance.

Task of DCDB



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3.2.3

Percentage of total sea area that is Seabed2030 compliant for incorporation into the GEBCO dataset and services

Task of GEBCO GC



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ACTION REQUESTED TO COUNCIL:

- a. Note the Annex C
- b. Invite all MS to provide via RENCs CATZOC values to IHO Secretariat for measuring SPI 1.2.2
- c. Endorse the proposal to measure SPIs approved by IRCC



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- EXTRAS

C-6, IHO Secretariat, Monaco, 18 – 20 October 2023



SPI Template

SPI applied to ARHC September 2022 test

Goal	(1) Evolving the hydrographic support for safety and efficiency of maritime navigation, undergoing profound transformation
SPI:	(1.1.1) 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%)
2026 Target (in words):	“By 2026, all (8) Member States of the ARHC IHO will have operationalized production and distribution of ...products and services...under an implementation framework of coordination and timelines” All 8 ARHC Member states will produce & distribute at least one of the following prioritized S-100 product (see HSSC14-04.3A):
Governance:	¹ This SPI is allocated under authority of the HSSC. ² “HSSC WG/PT chairs leading some SPIs to report to the HSSC chair & vice chair/Secretariat on their SPIs values for 2022, including refined objective targets for 2023 if appropriate Target 15/01/2023” <u>Points of contact:</u> S-100WG ³ Chair: Julia.Powell@noaa.gov (US) Vice Chairs: Ms Elizabeth HAHESY (Denmark) & Ms Iji KIM (Rep. of Korea) IHO Secretariat: Mr. Yong BAEK
Explanatory Note: ⁴	The are 8 Member States of the ARHC. Full Members are: Canada, Denmark, Russian Federation, and the United States. Associate Member States are: Finland, Iceland, and Italy
Lead/Owner:	Within ARHC: ARHC Chair? At S-100WG?
Caveat	

Indicator Reporting Tracking Summary

	Measure	Note
2021	0%	
2022	No data as of Sept 2022	See governance section. Member States expectedly to report their status (yes/no) to S-100 WG Chair January `15, 2023 for reporting to HSSC
2023		
2024		
2025		
2026		
2026 Target	100%	

Relevant Links:

Reference/Document Library:

- IRCC SPI table

[IHO Strategic Plan 2021-2026 \(version 1.1 dated January 2021\)](#)

[S-100 Implementation Strategy](#) Homepage

“[Roadmap for the S-100 Implementation Decade version 2.0, December 2021](#)”

Roadmap for the S-100 Implementation Decade (2020 – 2030), [Annex 2 S-100 Timelines](#) Version 1.0 Rev 1, 8 October 2021

[Discussion on the implementation of the SPIs of the IHO Strategic Plan allocated to HSSC – Way forward – Report and Proposals to C-6 SPIs - Presentation](#) HSSC14-04.3A (May 2022)

¹ How the indicator will be measured, by whom, how frequently/when, how often updated, where posted.

² See HSSC14-04.3A “Discussion on the implementation of the SPIs of the IHO Strategic Plan allocated to HSSC – Way forward – Report and Proposals to C-6 SPIs – Presentation” (2022)

³ [S-100 WG IHO Homepage](#)

⁴ Are there any caveats or discretionary aspects in measuring this indicator? Define any ambiguous terms. Acknowledge any important aspects.