Members, Associate Members and Observer States

**Coastal State:**

| **GOAL** | **Target** | **Current State** | **Gap** | **Actions** |
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| **Goal 1: Evolving the hydrographic support for safety and efficiency of maritime navigation, undergoing profound transformation** | * 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
 | e.g.* refer to Strategic Performance Indicators (SPI)
* IHO Universal Hydrographic Data Model (S-100) not implemented
* engagement in IHO and SWPHC WGs
* refer to current state of SWP PICTs IHO Capacity Building Strategy -SWPHC17 Feb 2020
 | e.g.* no operationalised production and distribution of S-100 data products and services
* limited capability and resources to meet the requirements and delivery of the S-100 implementation plan
* lack of support from Government institutions for maritime navigation
* lack of understanding of maritime navigation transformation
 | e.g.* participation of Coastal State at the IHO and SWPHC WGs and Committee levels
* assistance sought from IHO, Primary Charting Authority, SWPHC, SPC, IALA, IMO
* ensure adequate institutional arrangements in place for Hydrographic Governance
* capacity building activities through IHO capacity building strategy or other donor organisations
* engage with relevant Government departments and the Maritime Safety Authority to increase aware and support for e-Navigation
* prepare business case for e-Navigation strategy
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| **GOAL** | **Target** | **Current State** | **Gap** | **Actions** |
| **Goal 2: Increasing the use of hydrographic data for the benefit of society** | * Build a portal to support and promote regional and international cooperation in marine spatial data infrastructures (MSDI)
* Promote new tools and methods to accelerate and increase coverage, consistency, quality of surveys in poorly surveyed areas
* Apply [UN shared guiding principles for geospatial information management](http://ggim.un.org/meetings/GGIM-committee/documents/GGIM5/statement%20of%20shared%20guiding%20principles%20flyer.pdf) in order to ensure interoperability and extended use of hydrographic data in combination with other marine-related data
 | e.g.* refer to Strategic Performance Indicators (SPI)
* FAIR data principles (Findable Accessible Interoperable and Reusable) accepted and implemented
* UN-GGIM Integrated Geospatial Information Framework (IGIF) action plans developed
* refer to IHO Publication C-55 Status of Hydrographic Surveying and Nautical Charting Worldwide
* use of IHO S-44
 | e.g.* multiple areas inadequately surveyed
* data is poorly managed, unavailable and not shared i.e. open, free and unrestricted
 | e.g.* engage with PCA to prepare hydrographic survey programme
* prepare survey specifications using IHO S-44
* Implement FAIR data principles
* Implement UN-GGIM IGIF
* Provide data to existing portals, such as IHO DCDB
* assistance sought from IHO, Primary Charting Authority, SWPHC, SPC, IALA, IMO
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| **GOAL** | **Target** | **Current State** | **Gap** | **Actions** |
| **Goal 3: Participating actively in international initiatives related to the knowledge and the sustainable use of the Ocean** | * Collaborate with other bodies who deliver capacity-building and training to improve effectiveness of capacity-building activities and programmes
* Improve knowledge of the world's seafloors
* Implement a comprehensive IHO digital communication strategy in order to enhance its visibility and accessibility to its work
 | e.g.* refer to Strategic Performance Indicators (SPI)
* no MSI capability
* engage with SWPHC CB activities
* lack of knowledge and awareness of UN Decade of Ocean Science or Seabed 2030 Project
* data contributed to IHO Data Centre for Digital Bathymetry (DCDB) and Seabed 2030
* CSB initiatives supported
* no digital communications strategy for hydrography
 | e.g.* need to achieve IHO CB Strategy Phase 1
* increase Government knowledge and support for UN Decade of Ocean Science
* seafloor data is poorly managed, unavailable and not shared i.e. open, free and unrestricted
* no support for hydrography comms
 | e.g.* engage with regional CB activities i.e. SWPHC, SPC, IALA, IMO and bilateral development programmes
* engage with Government institutions to gain support for international ocean initiatives
* prepare policy paper to release seafloor data to the IHO DCDB and Seabed 2030
* engage with Seabed 2030 Project to install bathymetric data loggers for CSB initiatives
* seek support to develop a communications strategy
* contribute papers to the IHR and other seabed publications
* develop social media strategy
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