

SWPHC18 – IHO Strategic Plan 2021-2026: GAP Analysis

(Ref: IHO Strategic Plan 2021-2026)



GOAL	Target	Current State	Gap	Actions
<p>Goal 2: Increasing the use of hydrographic data for the benefit of society</p>	<ul style="list-style-type: none"> Build a portal to support and promote regional and international cooperation in marine spatial data infrastructures (MSDI) 	<ul style="list-style-type: none"> Various maturity levels regarding data MSDI between nations Some data discovery and access portals exist within region. Mixed regional awareness and tracking of NSDI and MSDI Complex mix of data owners, data archive centres, and data portals. 	<ul style="list-style-type: none"> Lack of regional tracking of MSDI maturity level of nations Lack of regional listing of data or product WMS and FMS Differing implementation of data governance 	<ul style="list-style-type: none"> Establish tracking mechanism for data holdings within the region. Establish tracking mechanism for SDI and MSDI maturity by nation. Consider regional data governance guidelines (to include releasability and sharing) specific to marine data within the larger IGIF and MSDI frameworks.
	<ul style="list-style-type: none"> Promote new tools and methods to accelerate and increase coverage, consistency, quality of surveys in poorly surveyed areas 	<ul style="list-style-type: none"> Reliance on traditional survey tools and methods Slow collection rates and large coverage gaps Varying data quality due to age, who collected it, how it was collected 	<ul style="list-style-type: none"> Excessive time and cost required to educate/equip for necessary capability and capacity (availability) Slow collection rates and large coverage gaps over a vast region Limited awareness of survey planning and execution across the region Difficult discovery and limited awareness of poorest quality data 	<ul style="list-style-type: none"> Leverage regional MS and non-gov partners (business case studies) Promote crowd source and satellite derived bathymetry; Airborne LiDAR; USVs; etc. Conduct regionally partnered, cooperative surveys to increase coverage and provide CB in the field Promote hydrographic governance and value to local/regional economy to regional gov't Scope, prioritize and share the areas within

SWPHC18 – IHO Strategic Plan 2021-2026: GAP Analysis

(Ref: IHO Strategic Plan 2021-2026)



				<p>the region that are inadequately surveyed to create opportunity for partnership, greater standardization, and regional growth</p> <ul style="list-style-type: none"> ● Leverage IHO sponsored CAT A and PCA hosted CAT B programs ● Encourage use of recognised geospatial standards including IHO standards, geospatial metadata standards, OGC standards and consistent survey collection standards
	<ul style="list-style-type: none"> ● Apply UN shared guiding principles for geospatial information management in order to ensure interoperability and extended use of hydrographic data in combination with other marine related data. 	<ul style="list-style-type: none"> ● Unknown 	<ul style="list-style-type: none"> ● Need to define starting point ● Who are the MS in the region and how do they assess their status in adopting and applying the principles? ● Which SWPHC apply the principles now and do they consider it a success? ● Which MS participate in the UNGGIM? ● What does success look like? ● Identify best practices and documentation for implementation 	<ul style="list-style-type: none"> ● Identify current status of MS with regard to the principles, IGIF and participation in GGGIM ● Promote awareness of the upcoming IGIF-W seminar in Singapore ● Share best practices and linkages to similar relevant networks in this region, GLOSS, Tsunami Warning Center, etc.