

Working Group on Marine Geospatial Information

Bringing Land and Sea
Together





Working Group on Marine Geospatial Information - Objectives

- play a leading role at the policy level by raising political awareness and highlighting the importance of reliable, timely and fit-for-purpose marine geospatial information to support the administration, management and governance of the marine and ocean environments;
- encourage the use of internationally agreed-upon geospatial information frameworks, schemas, systems and **established standards** to improve the growing inter-dependent relationships between people and the marine environments; and
- support the Committee of Experts in the development of norms, principles, **guides and standards** to increase significantly the availability of high-quality, timely and reliable geospatial information including any regional capacity development initiatives

<http://ggim.un.org/UNGGIM-wg8/>





SUSTAINABLE DEVELOPMENT GOALS

1 NO POVERTY 	2 ZERO HUNGER 	3 GOOD HEALTH AND WELL-BEING 	4 QUALITY EDUCATION 	5 GENDER EQUALITY 	6 CLEAN WATER AND SANITATION
7 AFFORDABLE AND CLEAN ENERGY 	8 DECENT WORK AND ECONOMIC GROWTH 	9 INDUSTRY, INNOVATION AND INFRASTRUCTURE 	10 REDUCED INEQUALITIES 	11 SUSTAINABLE CITIES AND COMMUNITIES 	12 RESPONSIBLE CONSUMPTION AND PRODUCTION
13 CLIMATE ACTION 	14 LIFE BELOW WATER 	15 LIFE ON LAND 	16 PEACE, JUSTICE AND STRONG INSTITUTIONS 	17 PARTNERSHIPS FOR THE GOALS 	



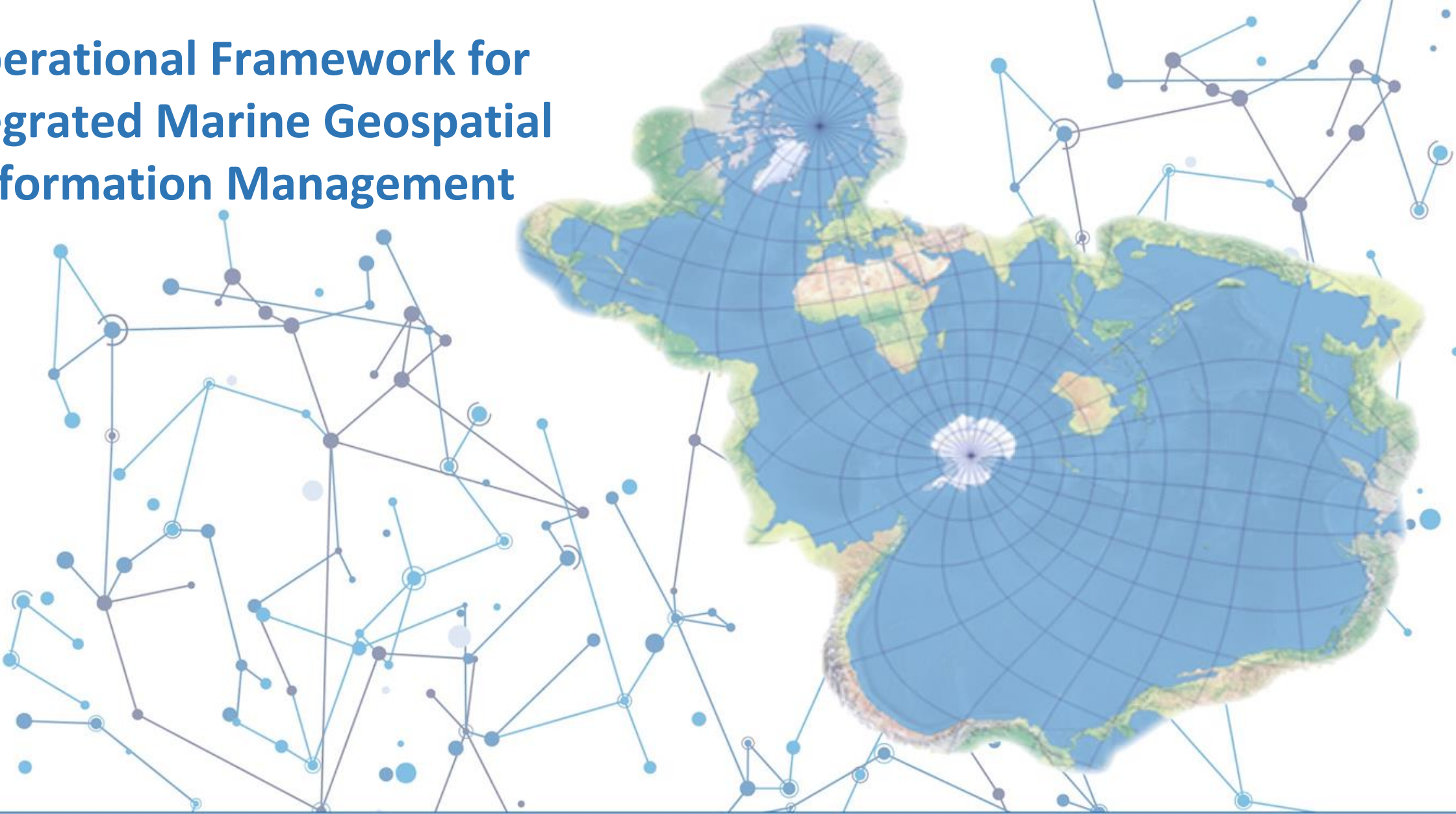


White Paper on Readily Available and Accessible (Open) Marine Geospatial Information

A reference on the benefits and challenges of managing and providing accessible marine geospatial information



Operational Framework for Integrated Marine Geospatial Information Management



Vision

Integrating water into the global geospatial information
infrastructure ecosystem

Mission

To provide practical guidance that countries can use to enhance the availability and accessibility of marine geospatial information, inclusive of all water-related jurisdictions, and to realize the greatest benefit from their integrated geospatial information management arrangements for the betterment of society, environment, and economy. This Guide expands upon the IGIF's nine strategic pathways where considerations for water might be different or require specific attention.

The idea of this Guide is not to replicate the IGIF but to:

- Provide practical advice and promote best practices and broad perspectives
- Support any body, state, or organization
- Assist implementers of the IGIF Strategic Pathways
- Establish and/or maintain a national geospatial framework
- Ensure the inclusion of water in that framework

Goals

- Facilitate Data Partnerships,
- **Increase the use of international Standards,**
- Increase Capacity Development Opportunities,
- Ensure Data Interoperability,
- Improve Data Accessibility and Availability,
- Provide Guidance for Emerging Marine Geospatial Programs.

Operational Framework for Integrated Marine Geospatial Information Management (IGIF-H)

High Level Deliverables

Two part document

Part One – high level background, executive summary, and a discussion of the future we want

Part Two – broken down by IGIF Strategic pathways for the water domain

Scope – Oceans, seas, coastal zones, deltas, rivers, inland waterways/waterbodies, wetlands, glaciers ...

Part 1

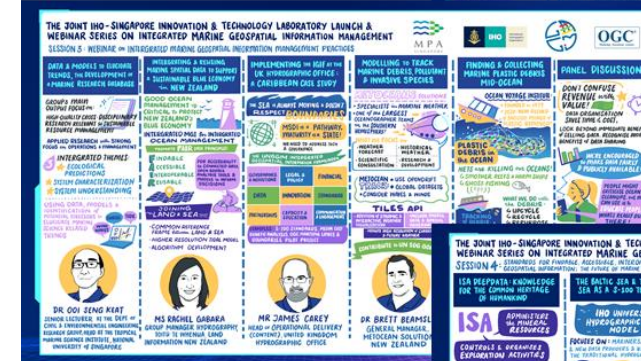
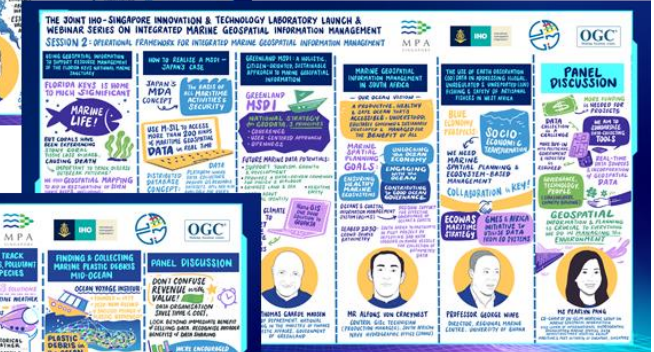
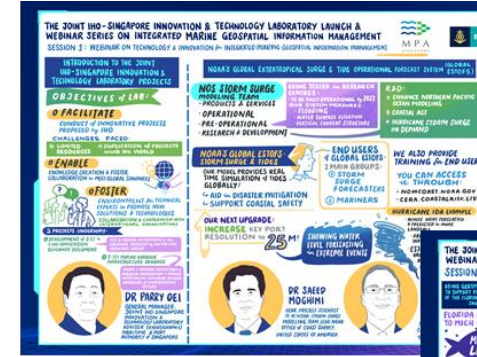
- Executive Summary
- Catalyst for Change
- Our Desired Future
- Vision
- Mission

Part 2

- A Value Proposition for the Marine Geospatial Information Domain
- Introduction
- Governance and Institution
- Policy and Legal
- Financial
- Data
- Innovation
- Standards
- Partnerships
- Capacity and Education
- Communication and Engagement

Value Propositions

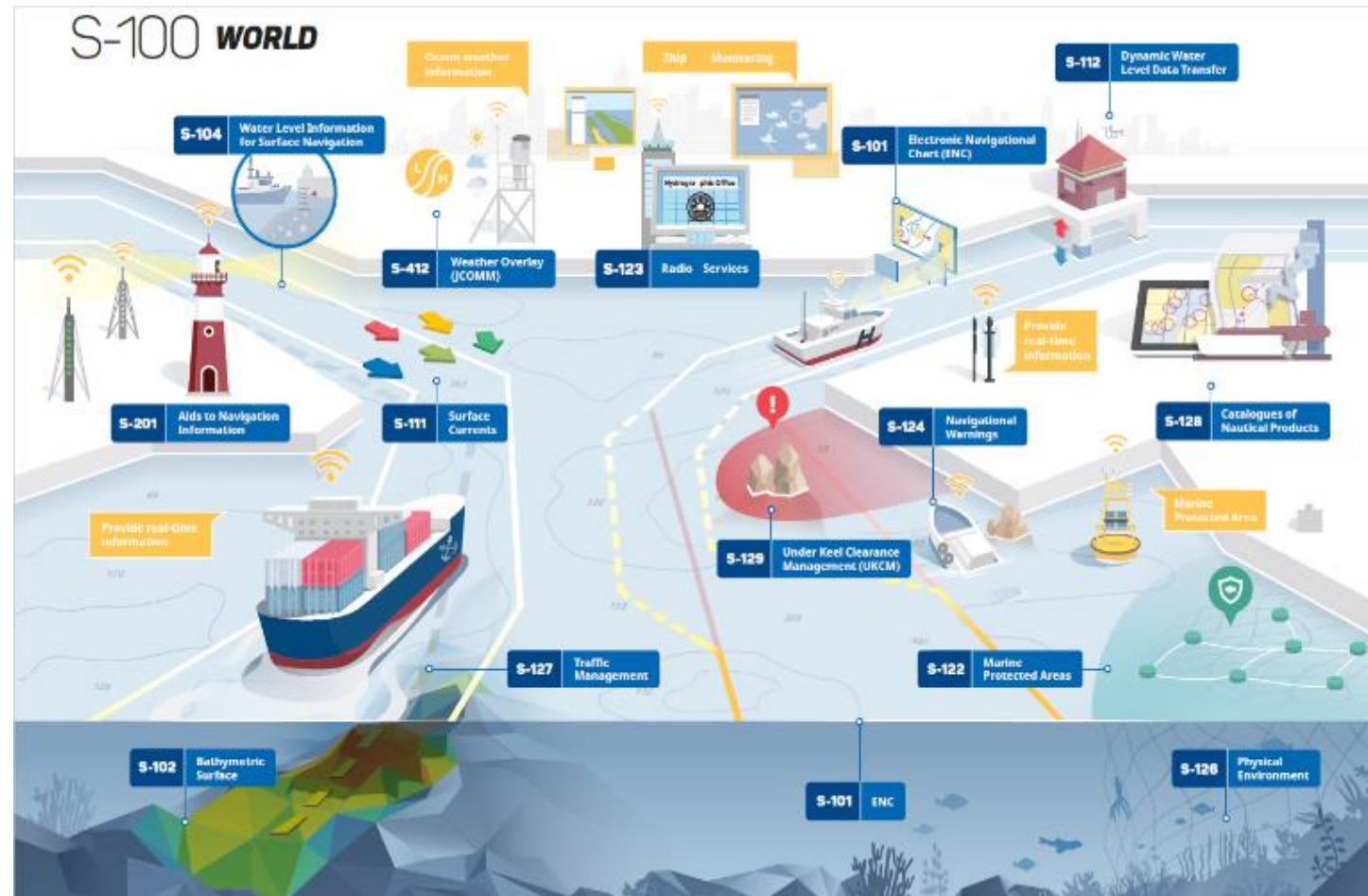
- Nautical Charting and Transportation
- Supporting Resource Management and Planning
- Established Maritime Boundaries
- Subsistence
- Emergency Response and Disaster Management Response
- Integrated Marine Cadastral Systems
- Energy - Oil, Gas, and Marine Resources
- Environmental Protection
- Climate Change
- Scientific Research
- Marine Debris and Ocean Plastics
- Coral Reef Conservation
- Fishery Management



https://ggim.un.org/meetings/2021/WG-MGI_webinar/

S-100 - the IHO Building blocks

- Provides the **data framework** for the development of the next generation Electronic Navigational Charting products, as well as other digital products required by the hydrographic, maritime and GIS communities
- Leads to a global **consistency** of products
- Internationally recognized framework for the structure and delivery of products for the hydrographic and maritime community





all nine pathways
on the table



IGIF-H Implementation

Regional consultations – Once the Working Group reaches general consensus on the document, it intends to embark on a series of regional consultations. We expect those to start sometime this year.

Pilots – The Working Group plans to conduct a pilot or trial implementation by working with one or two Member States. We hope that this will help determine what additional information might be useful for aspiring IGIF-H countries. For instance, they may need additional value propositions, sample job descriptions that include relevant qualifications, sample inter-agency agreements, etc.

General set of introductory materials – We are currently developing a comprehensive set of slides for use in introductory and awareness promotion on the IGIF-H that will include background, details on the nine pathways as they relate to the marine domain, and a variety of value propositions. The intent is that presenters can choose slides for their audience (introductory to ministerial) and field of interest (fisheries navigation, marine conservation, etc.). All will encourage integration with the national geospatial information ecosystem within the broader digital information ecosystem.



Thank You

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UN-GGIM
UNITED NATIONS INITIATIVE ON
GLOBAL GEOSPATIAL
INFORMATION MANAGEMENT

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