IGIF-H
Operational Framework for Integrated Marine Geospatial Information Management

Working Group on Marine Geospatial Information
The Integrated Geospatial Framework provides a basis and guide for developing, integrating, and strengthening geospatial information management.

Anchored by nine Strategic Pathways, the Framework is a mechanism for articulating and demonstrating national leadership in geospatial information, and the capacity to take positive steps.
CHANGE THE PRESENT, SAVE THE OCEAN.
CLIMATE CRISIS IS AN OCEAN CRISIS

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UN-GGIM
UNITED NATIONS INITIATIVE ON GLOBAL GEOSpatial INFORMATION MANAGEMENT
Operational Framework for Integrated Marine Geospatial Information Management
# Integrated Geospatial Information Framework-Hydro (IGIF-H)

## High Level

**Two part document**

**Part One** – background, challenges and introduction – Our desired Future

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

**Scope** – Oceans, Seas, rivers, waterways/watercourses, lakes, inland waters, wetlands, glaciers...

## Part 1

- Overview
- Introduction and Background
- Our Desired Future
- Mission, Vision, and Goals

## Part 2

**Part 2**

- A Value Proposition for the Marine Domain
- Introduction
- Governance and Institution
- Legal and Policy
- Data
- Standards
- Partnerships
- Capacity and Education
- Communication and Engagement
The marine domain, primarily operated by hydrographic offices, becomes fully integrated with other geo-information sectors, including land, statistical, meteorologic, oceanographic, and others. This integration allows the full digital information ecosystem to take advantage of coordinated services and standards, joint collection and management of data for multi-use purposes, coordinated data distribution and access, cross-themed data integration, commitment to cross-sector capacity development, and shared (cohesive) value propositions.
Vision

Integrating water into the global geospatial information infrastructure ecosystem
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
Build 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.
all nine pathways on the table
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Marine Transportation – Nautical Charting and Beyond

• Foundational component of transportation infrastructure
• Improves safety and efficiency for maritime commerce
• Protects the environment
Thank You
John.Nyberg@noaa.gov