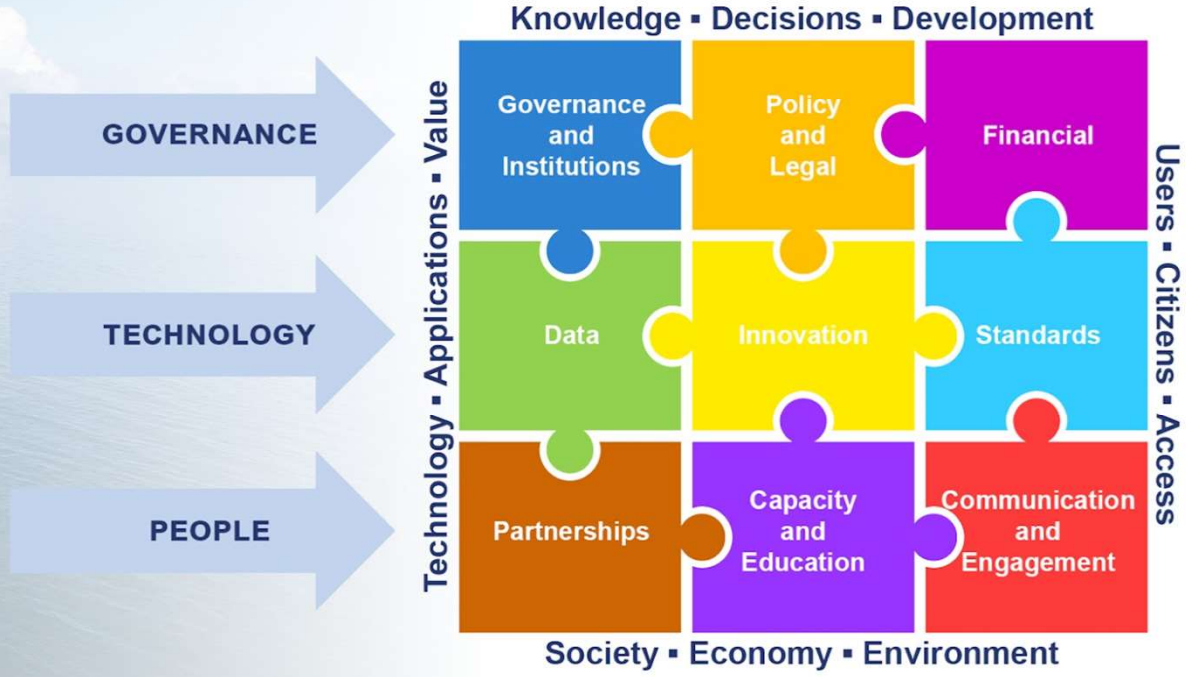
IGIF-H
Operational Framework for Integrated Marine Geospatial Information Management

Working Group on Marine Geospatial Information

UN-GGIM
UNITED NATIONS INITIATIVE ON GLOBAL GEOSPATIAL INFORMATION MANAGEMENT

The Integrated Geospatial Framework provides a basis and guide for developing, integrating, and strengthening geospatial information management.

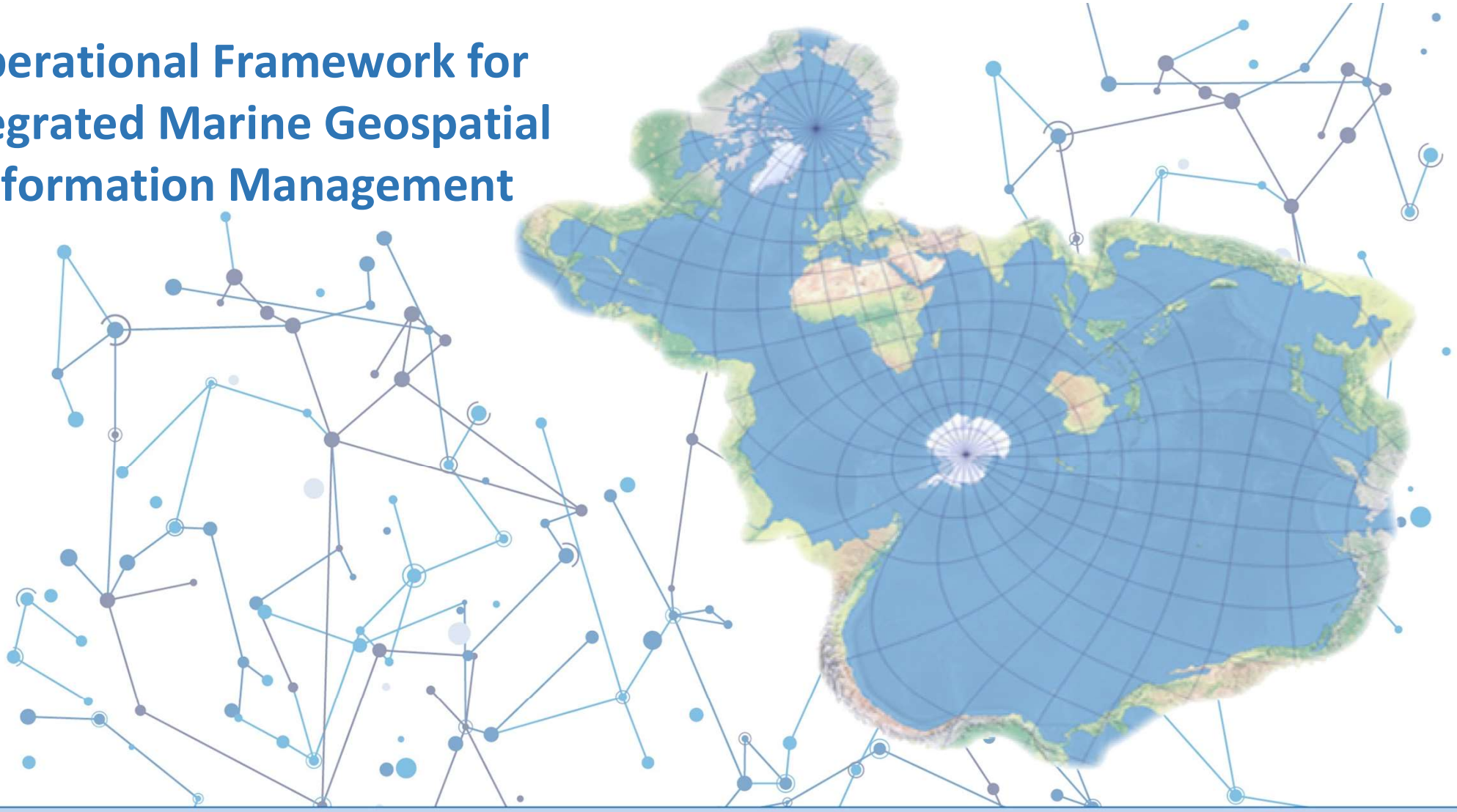


Anchored by nine Strategic Pathways, the Framework is a mechanism for articulating and demonstrating national leadership in geospatial information, and the capacity to take positive steps.

UN-GGIM
UNITED NATIONS INITIATIVE ON GLOBAL GEOSPATIAL INFORMATION MANAGEMENT

NOW EXHIBITING
AT CDL GREEN GALLERY
A Climate Action Exhibition Jointly Presented By:
City Developments Limited
Singapore Botanic Gardens
OCEAN GEOGRAPHIC
CHANGE THE
PRESENT,
SAVE THE
OCEAN.
CLIMATE CRISIS IS AN
OCEAN CRISIS
FREE ADMISSION
Open Daily* | 9am to 6pm
*Closed every last Tuesday of the month
1 NO POVERTY
2 ZERO HUNGER
3 GOOD HEALTH AND WELL-BEING
4 QUALITY EDUCATION
5 GENDER EQUALITY
SUSTAINABLE DEVELOPMENT GOALS
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

Operational Framework for Integrated Marine Geospatial Information Management



UN-GGIM
UNITED NATIONS INITIATIVE ON GLOBAL 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

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

UN-GGIM
UNITED NATIONS INITIATIVE ON GLOBAL GEOSPATIAL INFORMATION MANAGEMENT

our desired future

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-thematic data integration, commitment to cross-sector capacity development, and shared (cohesive) value propositions.

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.

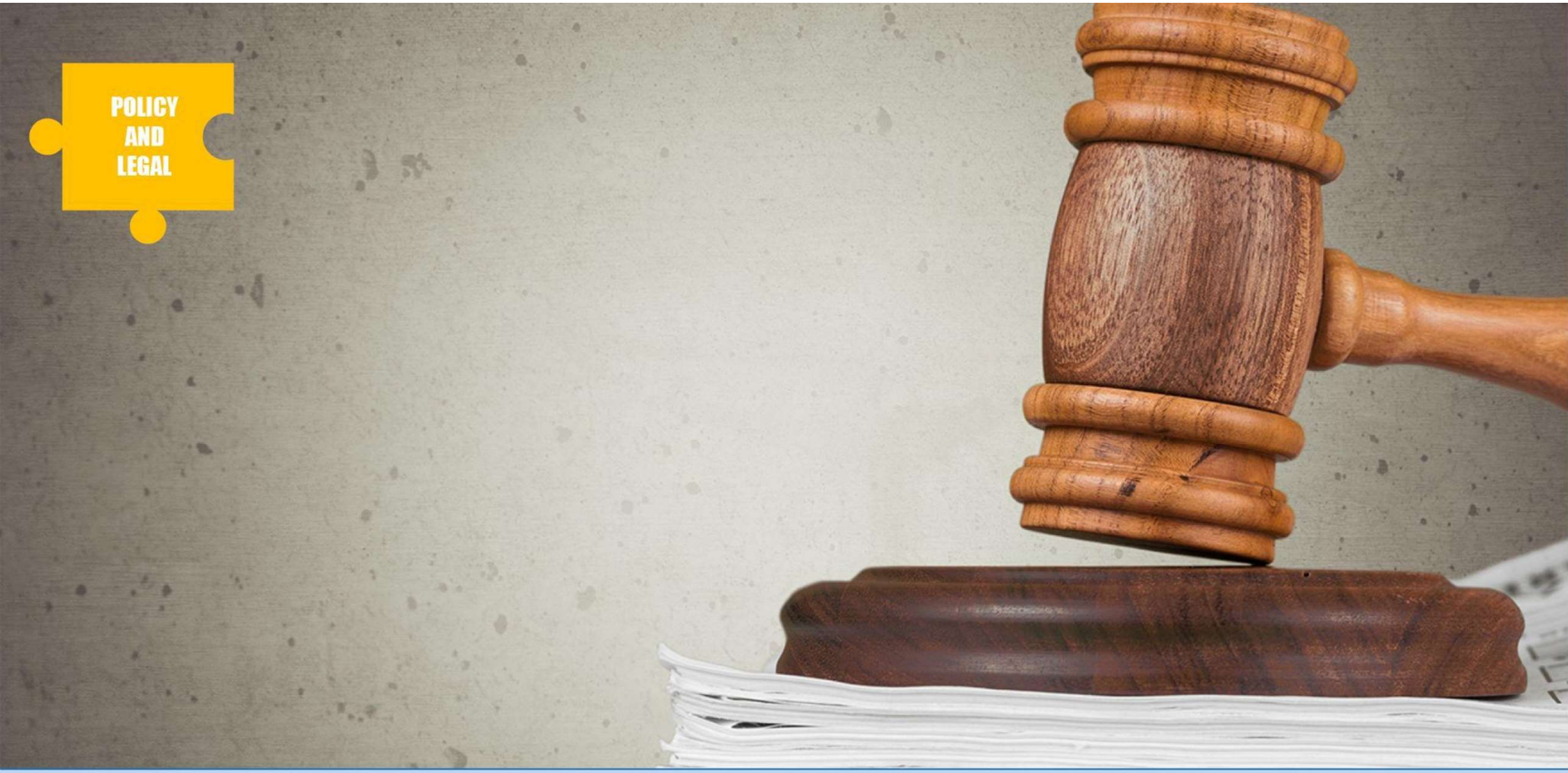
The idea of this Guide is not to replicate the IGIF but to:

- 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

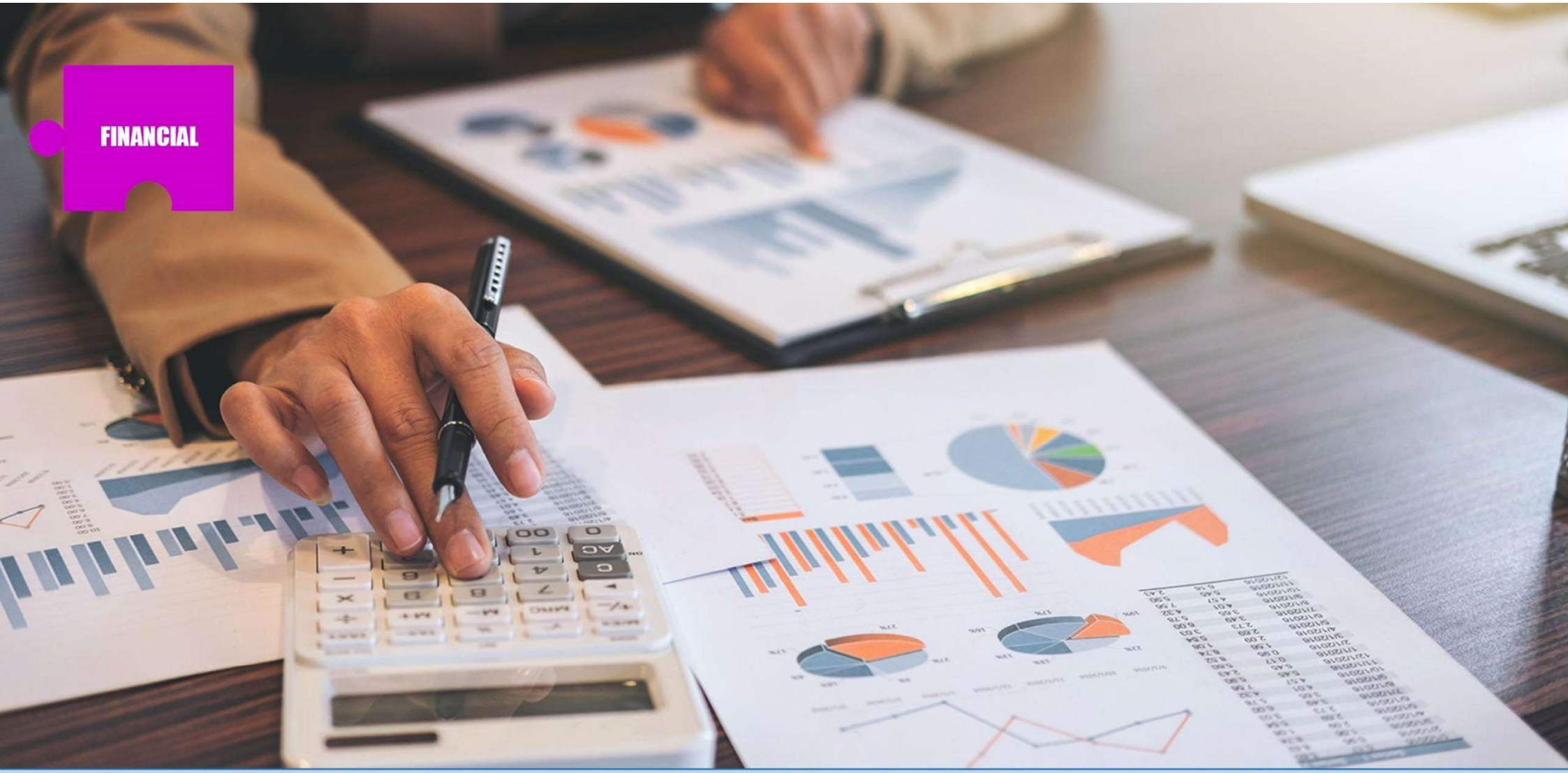
Goals

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



UN-GGIM
UNITED NATIONS INITIATIVE ON
GLOBAL GEOSPATIAL
INFORMATION MANAGEMENT

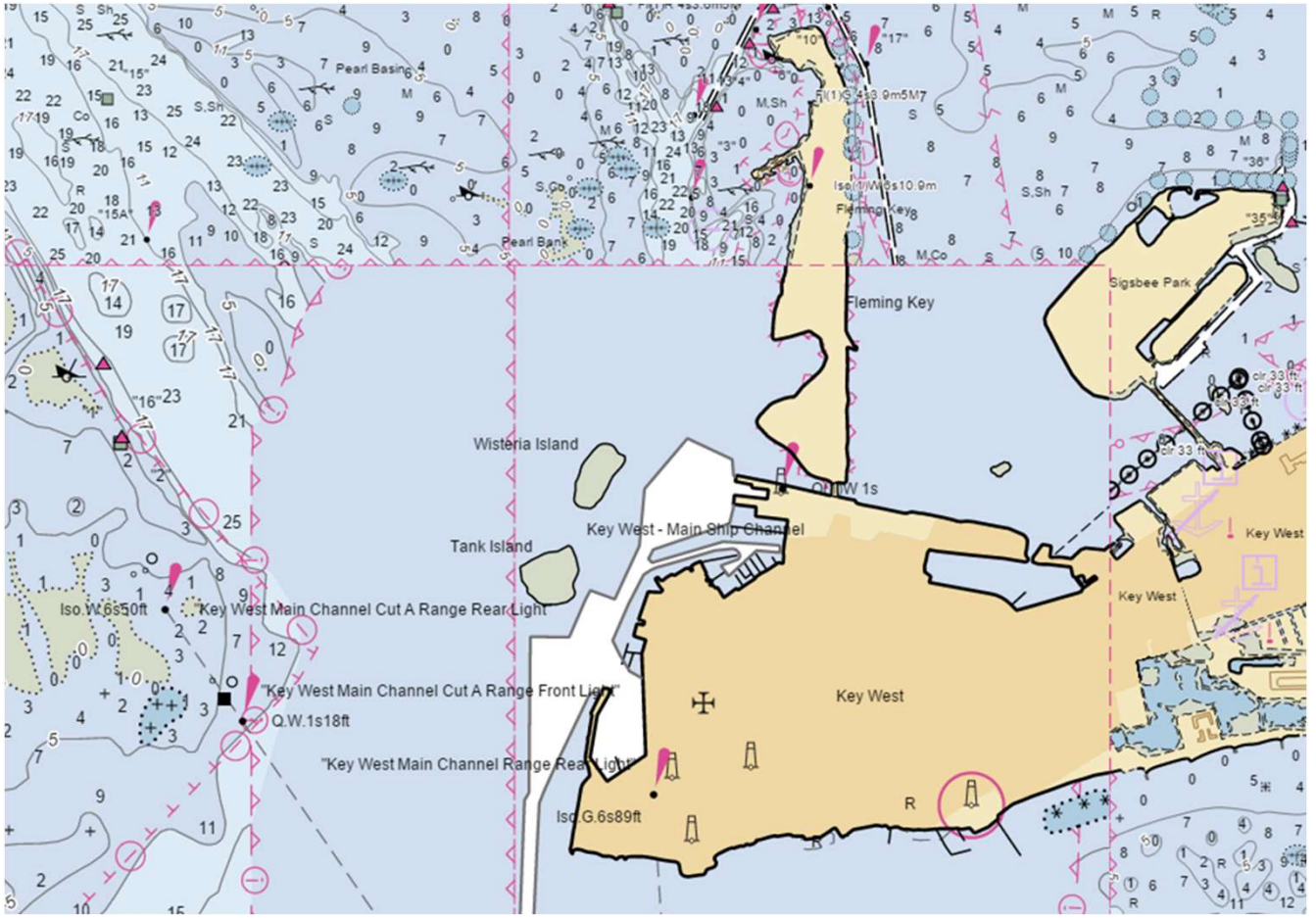


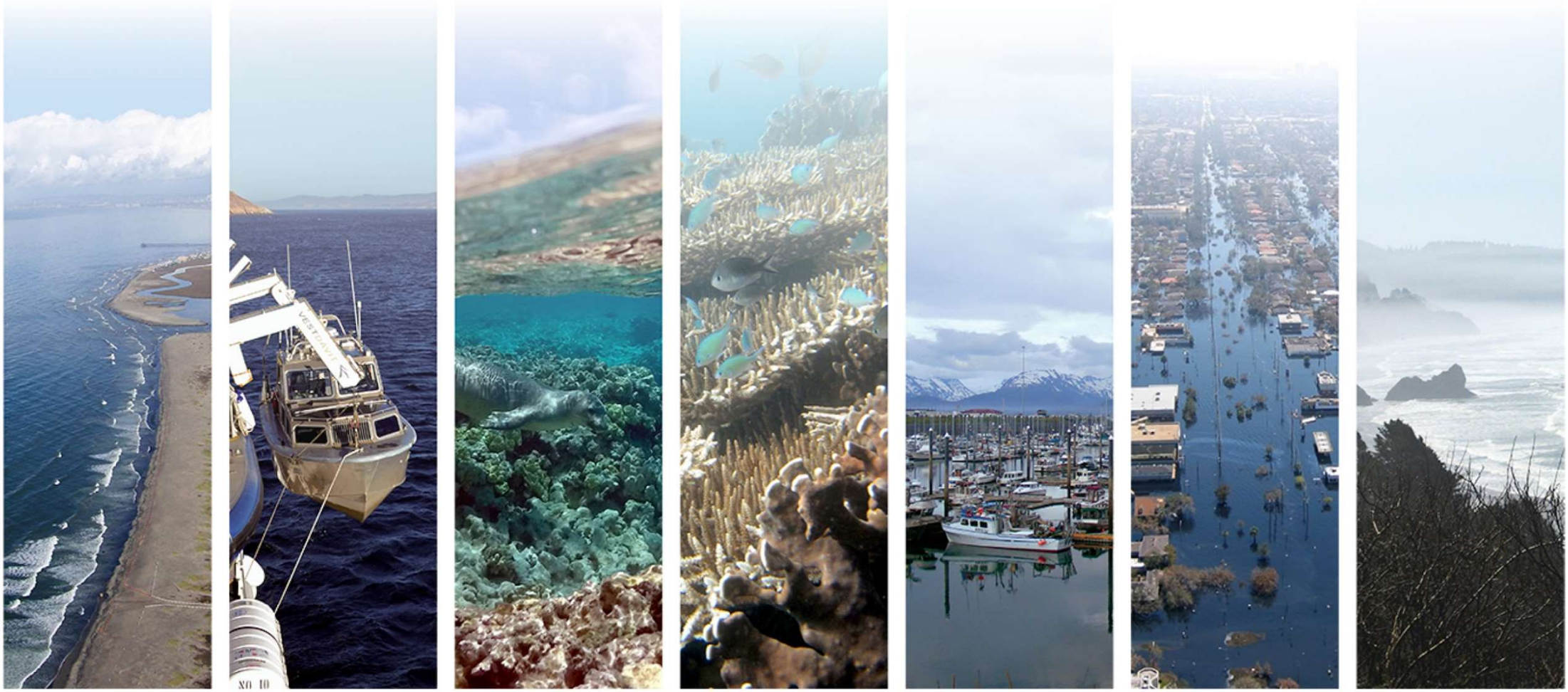
UN-GGIM
UNITED NATIONS INITIATIVE ON
GLOBAL GEOSPATIAL
INFORMATION MANAGEMENT

all nine pathways on the table

Marine Transportation – Nautical Charting and Beyond

- Foundational component of transportation infrastructure
- Improves safety and efficiency for maritime commerce
- Protects the environment





UN-GGIM
UNITED NATIONS INITIATIVE ON
GLOBAL GEOSPATIAL
INFORMATION MANAGEMENT

Thank You

John.Nyberg@noaa.gov

UN-GGIM
UNITED NATIONS INITIATIVE ON
GLOBAL GEOSPATIAL
INFORMATION MANAGEMENT