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Capacity Building and the Bigger Picture

Sam Harper, Head of Hydrographic Programmes

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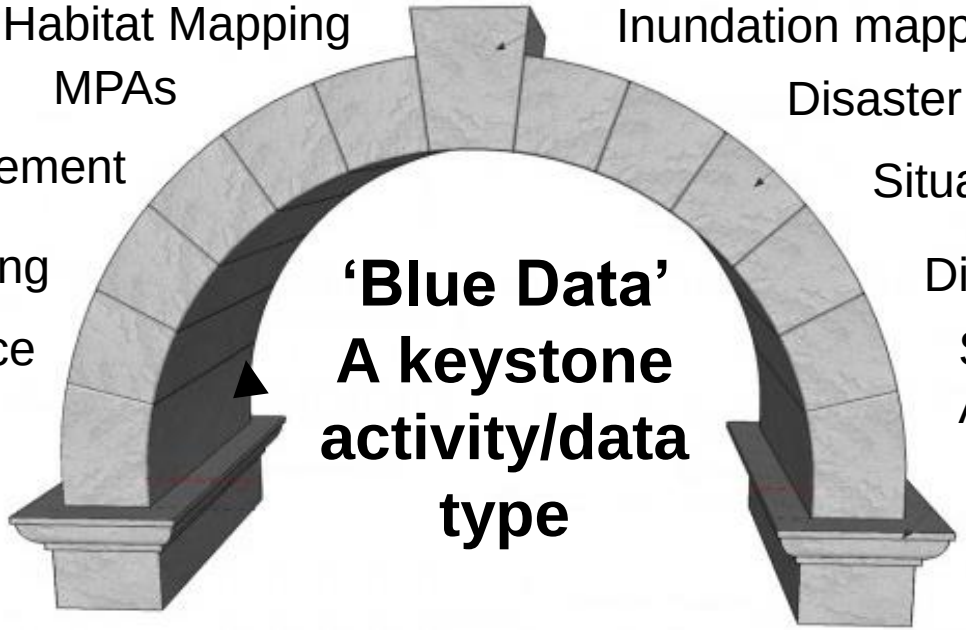
Hydrography and the Bigger Picture



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International Context

2021 2030 United Nations Decade of Ocean Science for Sustainable Development

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Challenges for Implementing SDGs?

They key challenge for implementation represents an opportunity for Hydrography and spatial data…

…If both activities are approached with a good understanding of the seabed, then both can be achieved **sustainably**

Hydrography can be the **pivot** that helps find the balance

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How does Hydrography fit into the SDGs

Habitat Mapping

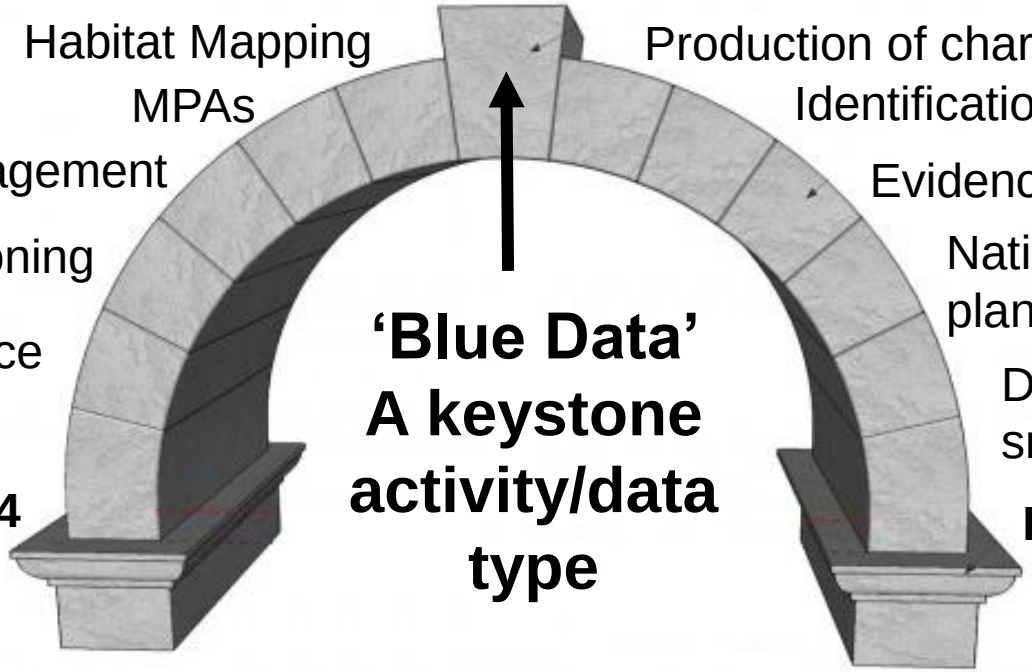
MPAs

Fisheries Management

Coastal Zoning

Oceans Governance

Delivery of SDG14



‘Blue Data’ A keystone activity/data type

Production of charts

Identification of efficient routes

Evidence based policy

National infrastructure plans

Development of new smart ports

Delivery of SDG9

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"Ocean science, supported by capacity development, is essential not only to inform SDG 14 but also other SDGs that have an ocean dimension"

Peter Thomson
UN Special Envoy for the Ocean

2021 2030 United Nations Decade of Ocean Science for Sustainable Development

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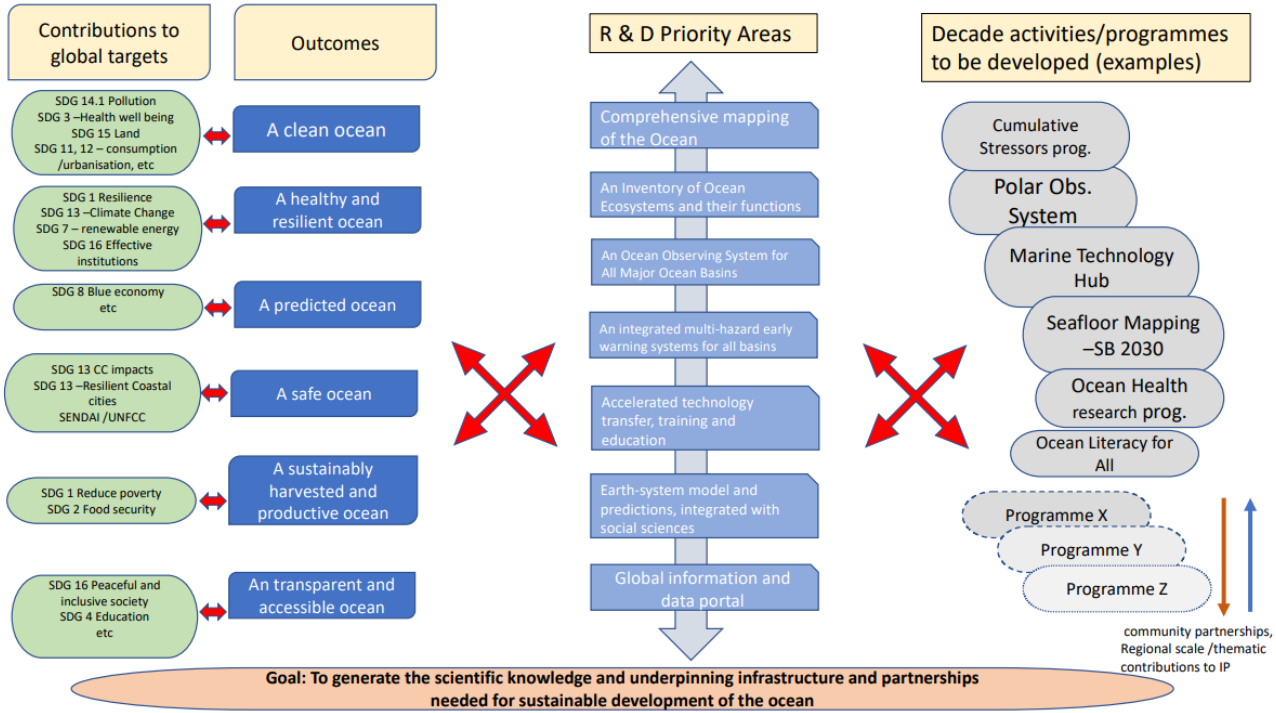
UN Decade – Delivery Framework

2021 2030 United Nations Decade of Ocean Science for Sustainable Development

https://youtu.be/jXDS7dsGMMQ




Mobilize scientists on critical ocean priorities for the 2030 Agenda
Synthesise existing research and define trends, knowledge gaps and priorities for future research
New research strategies co-designed with ocean stakeholders
THE VISION:
TO DEVELOP SCIENTIFIC KNOWLEDGE, BUILD INFRASTRUCTURE AND FOSTER PARTNERSHIPS FOR A SUSTAINABLE AND HEALTHY OCEAN
Bridge science, policy and societal dialogues via: access to data, information and communication.
Synthesise results and develop user driven solutions
Foster new joint research and co-operation within and across ocean basins

WHAT WILL THE DECADE ACHIEVE?

The Decade will mobilise resources and technological innovation in ocean science needed to deliver key societal outcomes:

• **A clean ocean** where sources of pollution are identified and removed

• **A healthy and resilient ocean** where marine ecosystems are mapped and protected

• **A predictable ocean** where society has the capacity to understand current and future ocean conditions

• **A safe ocean** where people are protected from ocean hazards

• **A sustainably harvested and productive ocean** ensuring the provision of food supply

• **A transparent ocean** with open access to data, information and technologies

The Decade will focus on key priority areas, such as:

1

Comprehensive digital atlas of the ocean

2

Comprehensive ocean observing system for all major basins

3

Quantitative and qualitative understanding of ocean ecosystems and their functioning as the basis for their management and adaptation

4

Ocean data and information portal

5

Integrated multihazard warning system

6

Ocean in earth-system observation, research and prediction, supported by social and human sciences and economic valuation

THE DECADE WILL ALSO SUPPORT KEY APPLICATIONS FOR SOCIETY INCLUDING:

Coastal zone management and adaptation

Marine spatial planning/blue economy

Establishment of marine protected areas

Fisheries management

Ocean-related Nationally determined contributions to UNFCCC

Development of national ocean policies

Development of national R & D strategies

Regional and national capacity development planning

Early warning systems

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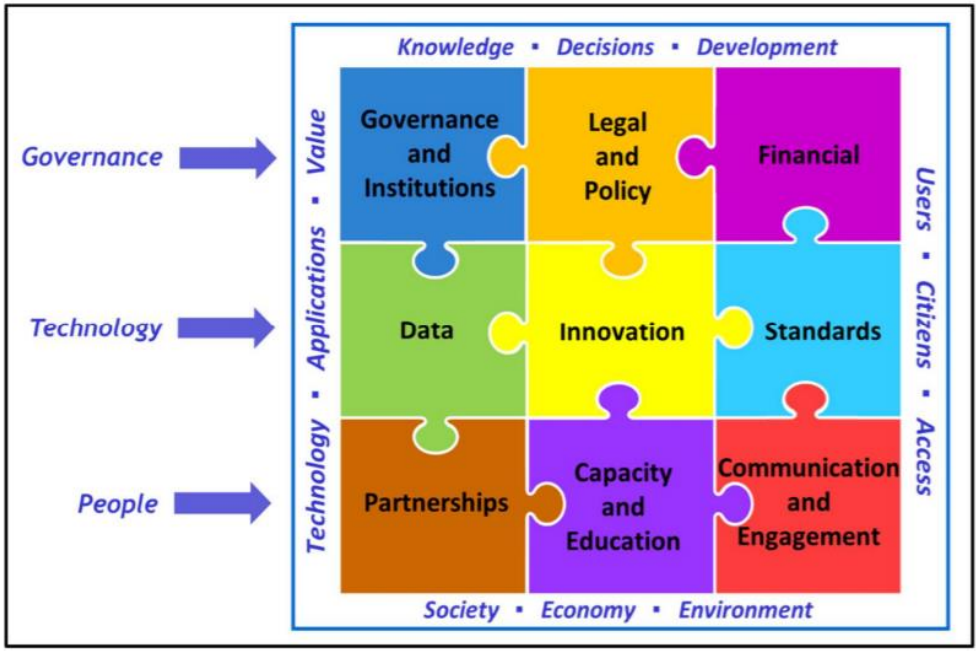
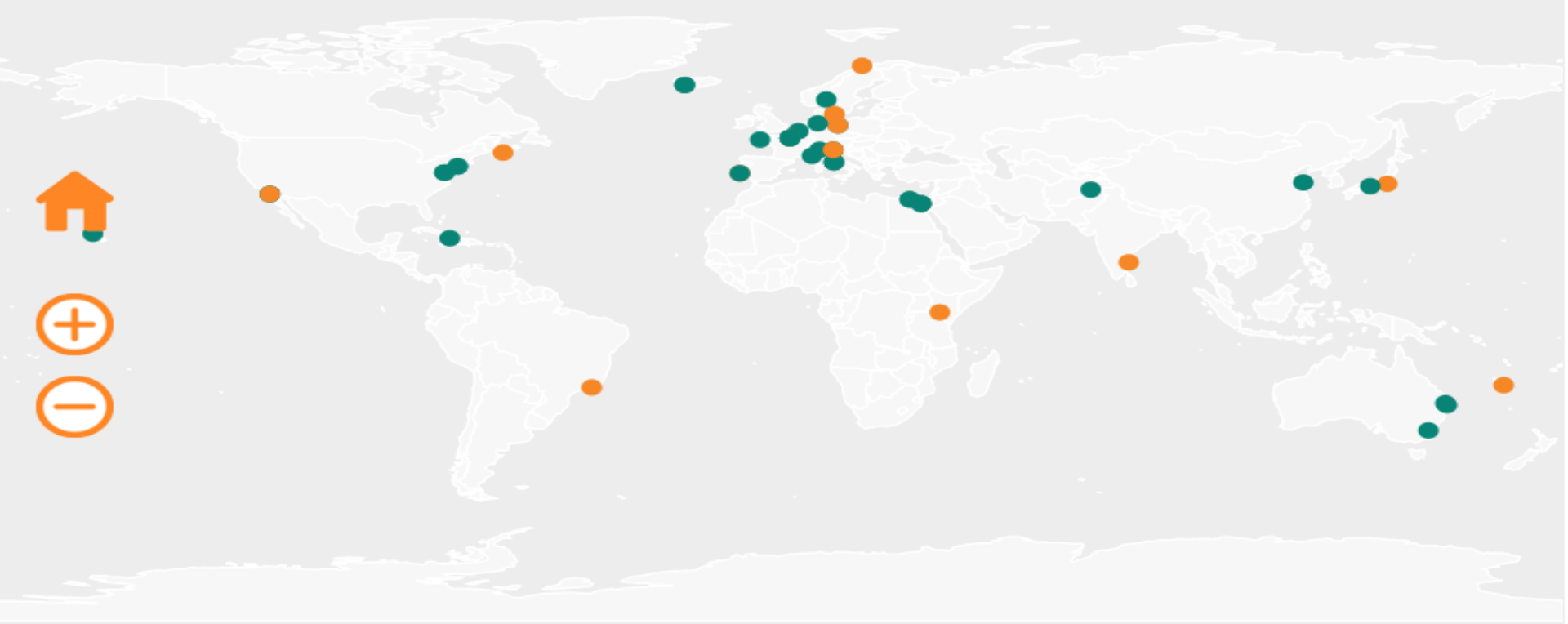
UNGGIM - IGIF



INTEGRATED GEOSPATIAL INFORMATION FRAMEWORK



Relevant International Events

INFO

EVENTS COMMUNITY OFFICIAL

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So What?

- The Decade will set the international policy priorities that the development community will use to finance Ocean activity
- How well are we placed to contribute to this process?
- What could we do to ensure the IHO CB strategy is connected/referenced in this process?

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End