

INTERNATIONAL SEMINAR ON UNITED NATIONS GLOBAL GEOSPATIAL INFORMATION MANAGEMENT

Effective and integrated marine geospatial information management

Global trends in hydrographic geodata management

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IHO

International
Hydrographic
Organization

International WS:
Effective and integrated marine geospatial information
management

International Hydrographic Organization – tasks and constitution

GET TO KNOW THE IHO INTERNATIONAL HYDROGRAPHIC ORGANIZATION

Dedicated to supporting safe navigation and protection of the environment

WHAT WE DO

- COORDINATE** activities among national hydrographic offices
- MAINTAIN** uniformity in nautical charts and documents
- ADOPT** effective methods of collecting and sharing hydrographic data
- DEVELOP & PROMOTE** the field of hydrography and related technologies

MEMBER STATES
97

LEADERSHIP
1 Secretary General
2 Directors
Elected every three years

HEADQUARTERS
MONACO
At the invitation of H.S.H. Prince Albert I of Monaco

ESTABLISHED
1921
Following the first international conference in 1919

HYDROGRAPHY
By mapping water depth, the shape of the seafloor and coastline, and the location of possible obstructions, hydrography helps maintain safe navigation and supports all other marine activities.

iho.int

- Intergovernmental Organization in its own right
- Governance very similar to UN Bodies: Assembly/Council
- Technical consultative Organization: works with recommended standards



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Strategic assumptions of national Hydrographic Offices in terms of data

Most important developments

- Climate Change
- Safe and efficient shipping
- Blue Economy
- Marine Industry customers
- Changes in geopolitical situation
- Changes of IMO Standards
 - E-Navigation
- Publicly accessible data
- Data under FAIR principles

Most important demands

- Automation of processes
- Live data services
- Land based navigation
- Interoperability, filtering, layering of data
- Data cybersecurity and policies
- Reliable and authoritative data
- AI and machine learning

Most actions to address developments and demands

- Data centricity by decentralized approach to feed the digital twin
- today's data to be delivered tomorrow
- Closing the gap between land and sea
- High data security/QA/QC
- Better interface to all stakeholders



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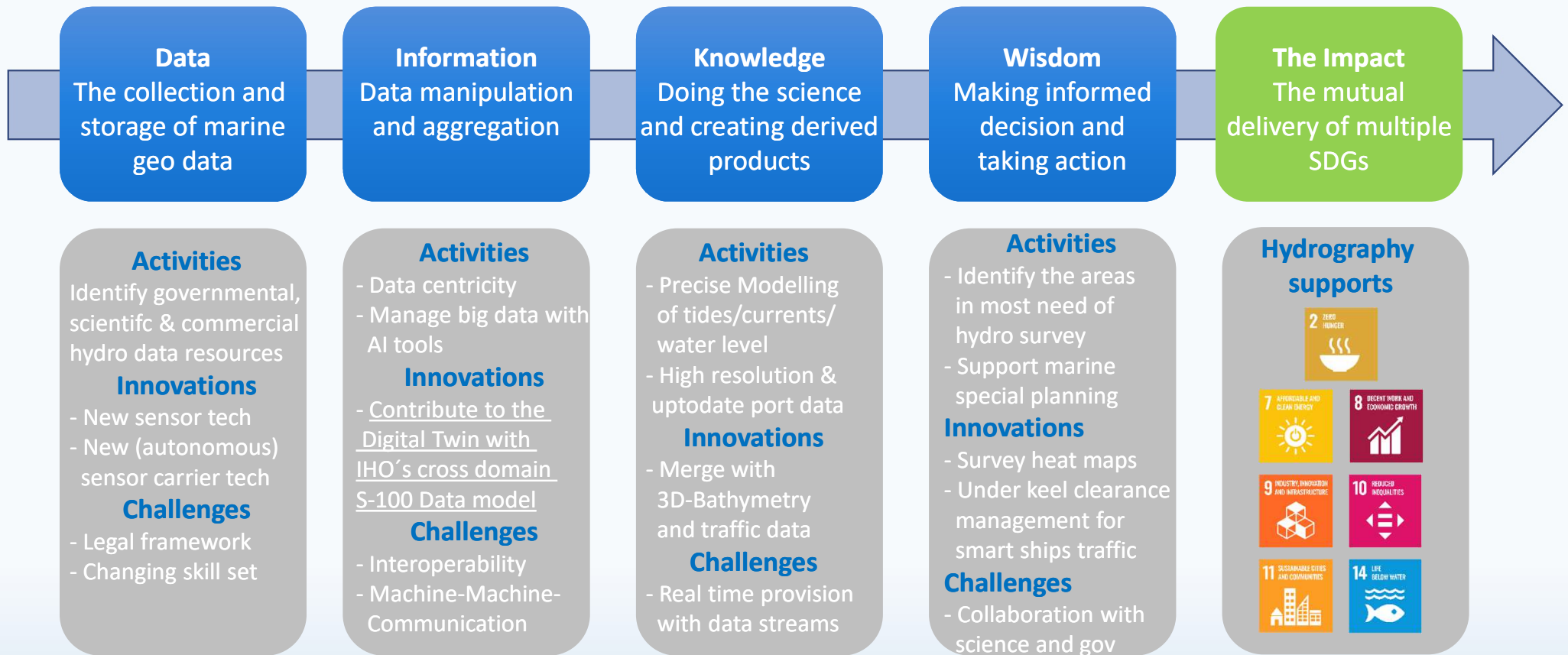
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Next: leverage the full potential of hydrographic information for the Marine Geospatial Data Value Chain



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