

14th MEETING OF THE IHO MARINE SPATIAL DATA INFRASTRUCTURES WORKING GROUP (MSDIWG14)

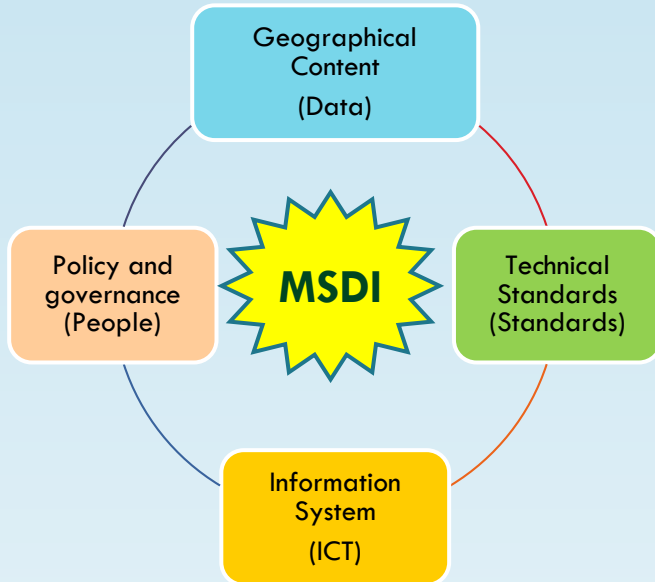


IHO

International
Hydrographic
Organization

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National Report of the Islamic Republic of Iran



Ports and Maritime Organization



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About me

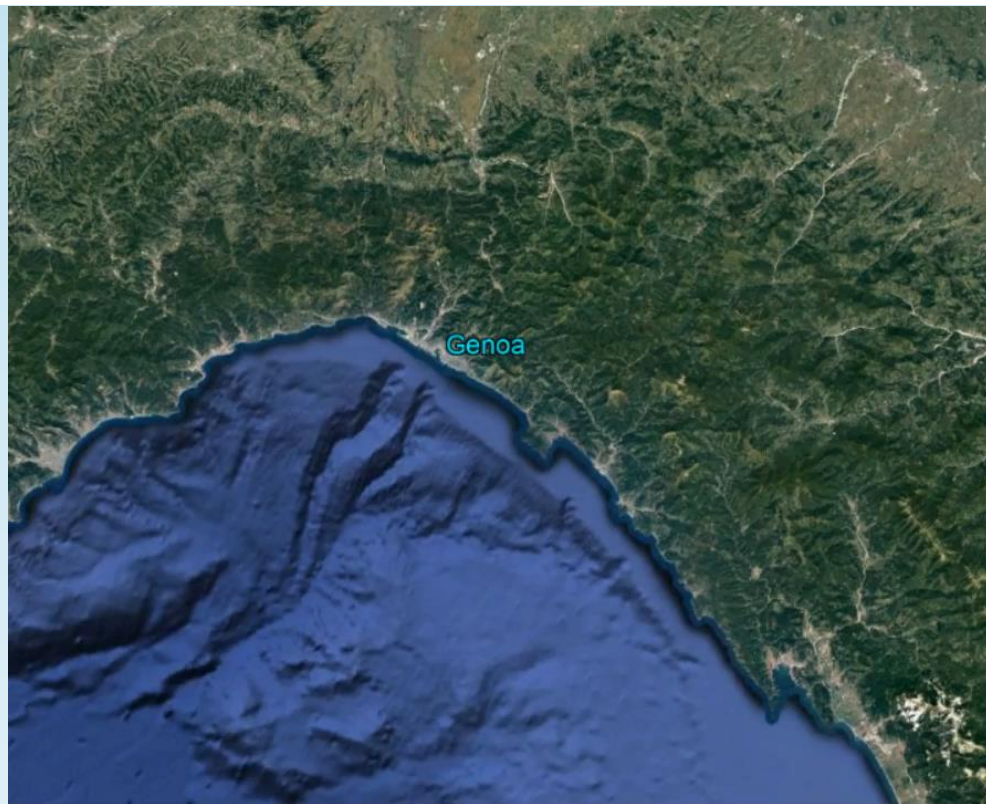
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- 2016-2020** Ph.D. in Marine Affairs, Coastal and Ocean Management Institute (COMI), Xiamen University, China.
- 2013-2015** MSc in Natural Resources Eng., International Desert Research Centre (I.D.R.C), University of Tehran, Tehran, Iran.
- 2008-2010** MSc in Remote Sensing & GIS, Faculty of Environment and Energy, IAU Sciences and Researches Branch, Tehran, Iran.
- 2000-2002** BA in Range and Watershed Management, Faculty of Natural Resources, Yazd, Iran.

Working experience
2004-Now **Iran's Ports and Marine Organization (PMO):**
Coordination expert of MSP project in Hormozgan province, Coordinator expert of Iran's ICZM plan, responsible for the coasts and ports database, Expert of the Directorate General of Maritime Safety and Marine Environmental Protection.

Iran:

- Connected to the Caspian Sea in the north and the Persian Gulf and the Oman Sea in the south
- More than 5,800 kilometers of coastlines
- Diverse geography and climate
- Various economic activities
- A broad community of stakeholders
- Diverse and huge marine spatial data



Producers of marine spatial data in Iran

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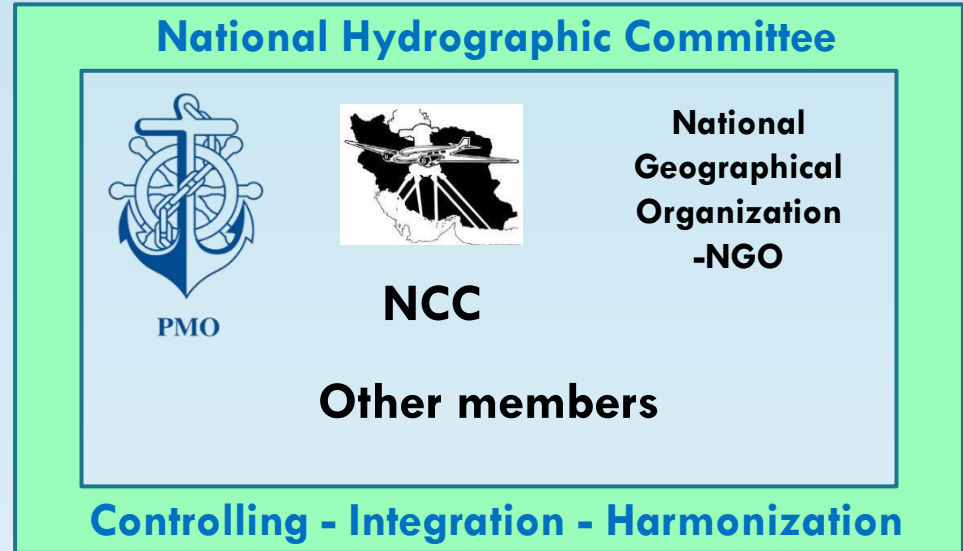
Different Organizations and sectors play a role to generate marine spatial data
The three main organizations are:

Ports and Maritime Organization-PMO (IHO Focal Point)

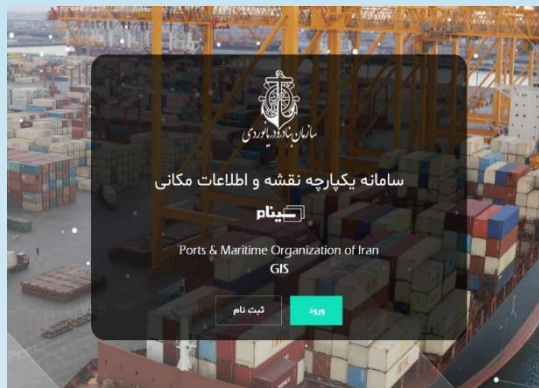
National Cartographic Center-NCC

National Geographical Organization-NGO

**Iranian National Hydrographic Committee
has the role of controlling, harmonizing
and integrating activities in this regard**



Sectoral platforms related to MSDI



Integrated Map and Spatial Information System (PMO)



National Spatial Data Infrastructure Geoportal (NCC)



Iran's Spatial Data Infrastructure (SDI)

Opportunities and Challenges

Opportunities

- Appropriate familiarization of relevant organizations with the subject
- The consensus and unity of all members of the National Hydrographic Committee to create a national MSDI in Iran
- Internal knowledge and Indigenous technology for the development and Implementation of MSDI

Challenges

- Geographical and climatic differences that should be considered in the marine spatial data models
- The necessity of propagation this culture and training the users
- Preparation of an appropriate standard based on the S100 framework and C-17 guidance
- Data sharing and security concerns

Characteristics of Iran's MSDI

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Iran's MSDI should:

- Cover the storage and management needs of marine spatial data
- Provide a secure environment for data sharing and efficient platform for all members
- Pass national and international related standards
- Make it possible to define the access level for different users
- Be flexible and has the facility to cover future needs

Thanks for your attention

