A USE CASE ON

OPEN MARINE GEOSPATIAL INFORMATION
WHAT IS THE USE CASE?

The use case should "show the benefits of open (readily available and accessible) marine geospatial information, including minimum standards needed for data. The use case will serve as a reference for Member States on the benefits of providing easy access to marine geospatial data, and on the recommended data types to make available."

Work Plan, Working Group on Marine Geospatial Information

GOALS OF THE USE CASE

1. To serve as a reference on the strengths, challenges, standards, and benefits of providing open, readily available marine geospatial data

2. To provide successful examples of providing open, readily available marine geospatial data, which illustrate the benefits of open data
GOALS OF THE EXERCISE

To understand the commonalities - strengths and challenges - among countries when it comes to managing and providing open marine geospatial data

To understand the benefits realized from providing open, readily available data and to gather successful examples of open marine geospatial data
THE EXERCISE

The exercise is a scenario and a series of 5 questions.

How does your country organize and manage marine geospatial information?

How are data added to or integrated with existing geospatial data, including land-based data?

How can or do you share and integrate your data with other national agencies?

Do you have any international, cross-agency, or non-governmental partnerships that facilitate the collection, sharing, and maintenance of data?

What legal and logistical barriers do you know of or foresee in using a multilateral approach to managing and sharing data (e.g., MSDI)?
**TIMELINE**

**March 2019**
First Expert Meeting of WG-MGI

- Formal discussion on the use case and use case exercise
- Created a small group to review and provide feedback to the use case exercise

**April 2019**
Exercise to Small Group
March 2019
First Expert Meeting of WG-MGI

April 2019
Exercise to Small Group

May 2019
In-Phone Meeting of WG-MGI
- Discussed exercise responses from the small group review
- Received additional feedback
- Agreed to distribute exercise to WG

June 2019
Exercise to WG-MGI
TIMELINE

March 2019
First Expert Meeting of WG-MGI

May 2019
In-Phone Meeting of WG-MGI

August 2019
WG-MGI Side Event

April 2019
Exercise to Small Group

June 2019
Exercise to WG-MGI

RESULTS
COMMENTS ON THE EXERCISE

- Not the agency (or not the sole agency) responsible for data
- Scenario is not applicable; did not use scenario when responding
- Support for sharing the exercise with a larger group
INSIGHTS

Data collection and management are funded for a purpose and often that money and task are given to a singular agency.

Hydrographic Office

Navigation
INSIGHTS

Data collection and management are funded for a purpose and often that money and task are given to a singular agency.

Oceans Office  Hydrographic Office  Fisheries Office

Protected Areas  Navigation  Inland Waters

INSIGHTS

Many agencies manage a variety of marine spatial data, each with its own mission.
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Data are not collected and managed consistently across different levels of government and across agencies.
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INSIGHTS

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INSIGHTS

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CONCERNS

• How will people use open data? Is it safe for that usage?
CONCERNS

- How will people use open data? Is it safe for that usage?
- Copyright / licensing issues
- Security issues
CONCERNS

• How will people use open data? Is it safe for that usage?
• Copyright / licensing issues
• Security issues
• Are data current?

DISCUSSION
OUTLINE

- Document Justification
- Benefits
- Challenges and Solutions
- Case Studies
- Recommendations

The Benefits of Open Marine Geospatial Information

Document Justification and Purpose

Marine geospatial information is an integral component of global geospatial information management. Marine geospatial information can support governments in developing policies, programs, and guidelines, and in monitoring and managing the marine environment.

Benefits

- Improved decision-making
- Access to accurate and timely information
- Improved effectiveness and efficiency of policies and programs
- Increased transparency and accountability
- Improved access to marine resources
- Improved marine management

Challenges and Solutions

- Access to data
- Cost of data
- Data quality and accuracy

Case Studies

- Improving fisheries management
- Enhancing marine conservation
- improving marine disaster management

Recommendations

- Promote data sharing
- Develop harmonized standards
- Improve data quality
- Increase investment in marine geospatial information

Sustainable Development Goals

1. No poverty
2. Zero hunger
3. Good health and well-being
4. Quality education
5. Gender equality
6. Clean water and sanitation
7. Affordable and clean energy
8. Decent work and economic growth
9. Industry innovation and infrastructure
10. Reduced inequality
11. Sustainable cities and communities
12. Responsible consumption and production
13. Climate action
14. Life below water
15. Life on land
16. Peaceful and inclusive societies
17. Partnerships for the goals

IGIF

Sustainable Development Goals

FELA
RECOMMENDATIONS

Develop data-sharing partnerships and/or agreements to facilitate the timely sharing of data between Member States, government agencies, research and academia, and private data-providers.

RECOMMENDATIONS

Implementation of standards to make data-sharing easier (e.g., ISO, IHO, and OGC standards).
RECOMMENDATIONS

Manage marine geospatial information with multi-use purposes in mind and increase stakeholder awareness of what information is available and where.

RECOMMENDATIONS

Actively transfer knowledge of tools and techniques that facilitate the sharing of marine geospatial information.
RECOMMENDATIONS

Are there more???

THANK YOU!