

A USE CASE ON

OPEN MARINE GEOSPATIAL INFORMATION

AGENDA

OVERVIEW

- Use Case
- Use Case Exercise
- Timeline

PRELIMINARY RESULTS

- Comments on the Exercise
- Insights & Concerns

DISCUSSION

- Moving Forward
-

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

The background features a stylized world map composed of a grid of small dots. Overlaid on this map are various data visualization elements, including vertical lines of varying heights, circles of different sizes, and horizontal bars, all rendered in a light, semi-transparent style. The overall aesthetic is clean and modern, with a focus on data and technology.

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

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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



GOALS OF THE EXERCISE

Exercise

Information

Use Case

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graph LR; A[Exercise] -- Information --> B[Use Case]
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The diagram illustrates the flow of information from an exercise to a use case. It features two light blue rectangular boxes with thin borders. The left box contains the word 'Exercise' in a dark blue serif font. A large teal arrow points from the right side of the left box to the left side of the right box. Inside the arrow, the word 'Information' is written in a dark blue serif font. The right box contains the words 'Use Case' in the same dark blue serif font. The background is a light gray with a faint, abstract pattern of dots and lines, suggesting a digital or data environment. A thin teal horizontal line is at the top, and a thin dark blue horizontal line is at the bottom.

GOALS OF THE EXERCISE

1

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

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GOALS OF THE EXERCISE

1

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

2

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.

Use Case on Open Marine Geospatial Information

Overview

The Working Group would like to produce a use case showing 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 which identifies trends, strengths, challenges, issues, possible solutions, and the benefits of providing easy access to marine geospatial data and on the recommended data types to make available. The exercise below will gather information from participants on the practices, challenges, and issues encountered when providing open marine geospatial information. The findings from this exercise will help the Working Group understand what challenges and issues to address and provide real-world examples of the benefits of and need for open marine geospatial information.

Use Case Exercise

Exercise Instructions

Below is a hypothetical scenario followed by five questions which are aimed at understanding the practices and challenges a jurisdiction faces when they provide open marine geospatial information. As you answer the questions, assume you are the lead hydrographer or person responsible for hydrographic surveying of Country A. Also assume the legal and policy framework of Country A is identical to that of your jurisdiction. If in your jurisdiction you are not responsible for the decisions below, answer to the best of your knowledge within your jurisdiction's laws and policies. The scenario below is meant to provide a framework for thinking about the questions posed; however, the questions can be answered without the scenario.

Scenario

Country A is demolishing a large chemical storage facility on its coast. Country A needs to design protective measures if, during the demolition, toxic chemicals are leaked into Country A's coastal waters. The hydrographic office of Country A has been asked to provide geospatial data on those coastal and nearby inland waters, so that Country A can predict if the chemicals will reach and contaminate the inland water supply. There is also a possibility that chemicals released from the storage facility will reach inland waters of neighboring Country B. Currently, Country A has no agreement on sharing geospatial information with Country B.

Questions

1. How does your country organize and manage marine geospatial information (e.g., spatial data infrastructure)?
2. How are data added to or integrated with existing geospatial data, including land-based data?
3. How can or do you share and integrate your data with other national agencies?
4. Do you have any international, cross-agency, or non-governmental partnerships that facilitate the collection, sharing, and maintenance of data?
5. What legal and logistical barriers do you know of or foresee in using a multilateral approach to managing and sharing data (i.e., marine spatial data infrastructure)?



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 (i.e., marine spatial data infrastructure)?

TIMELINE



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 the use case exercise
-

TIMELINE

March 2019
First Expert Meeting
of WG-MGI



April 2019
Exercise to Small
Group

TIMELINE


March 2019

First Expert Meeting
of WG-MGI

May 2019

In-Phone Meeting
of WG-MGI

April 2019
Exercise to Small
Group

- 
- Discussed exercise responses from the small group review
 - Received additional feedback
 - Agreed to distribute exercise to WG
-

TIMELINE

March 2019

First Expert Meeting
of WG-MGI

May 2019

In-Phone Meeting
of WG-MGI

April 2019

Exercise to Small
Group

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

PRELIMINARY RESULTS

20 MEMBERS

13 RESPONSES

- Australia
 - Burkina Faso
 - Canada
 - Chile
 - China
 - Denmark
 - Germany
 - Greece
 - India
 - Italy
 - Jamaica
 - Republic of Korea
 - Malaysia
 - Mexico
 - Netherlands
 - New Zealand
 - Norway
 - Kingdom of Tonga
 - United Kingdom
 - United States
-

COMMENTS ON THE EXERCISE

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COMMENTS ON THE EXERCISE

- Not the agency (or not the sole agency) responsible for data
-

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- Not the agency (or not the sole agency) responsible for data
 - Scenario is not applicable; did not use scenario when responding
-

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- Not the agency (or not the sole agency) responsible for data
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 - Support for sharing the exercise with a larger group
-

INSIGHTS

The background features a complex digital aesthetic. It includes a grid of small white dots, some of which are larger and more prominent. Vertical lines of varying thickness and white circles are scattered across the page, creating a sense of data flow and connectivity. The overall color palette is light gray and white, with a teal accent line at the top and bottom.

INSIGHTS

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

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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



Protected Areas

Hydrographic Office



Navigation

Fisheries Office



Inland Waters

INSIGHTS

The background features a faint, stylized world map composed of a grid of small dots. Overlaid on this map are various data visualization elements, including vertical bars of varying heights, horizontal lines, and several circles of different sizes. Some circles are solid white, while others are hollow. The overall aesthetic is clean, modern, and data-driven, with a color palette of light greys, whites, and a teal accent color.

INSIGHTS

Many agencies manage a variety of marine spatial data, each with its own mission.

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Oceans Office



Protected Areas

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Navigation

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Inland Waters

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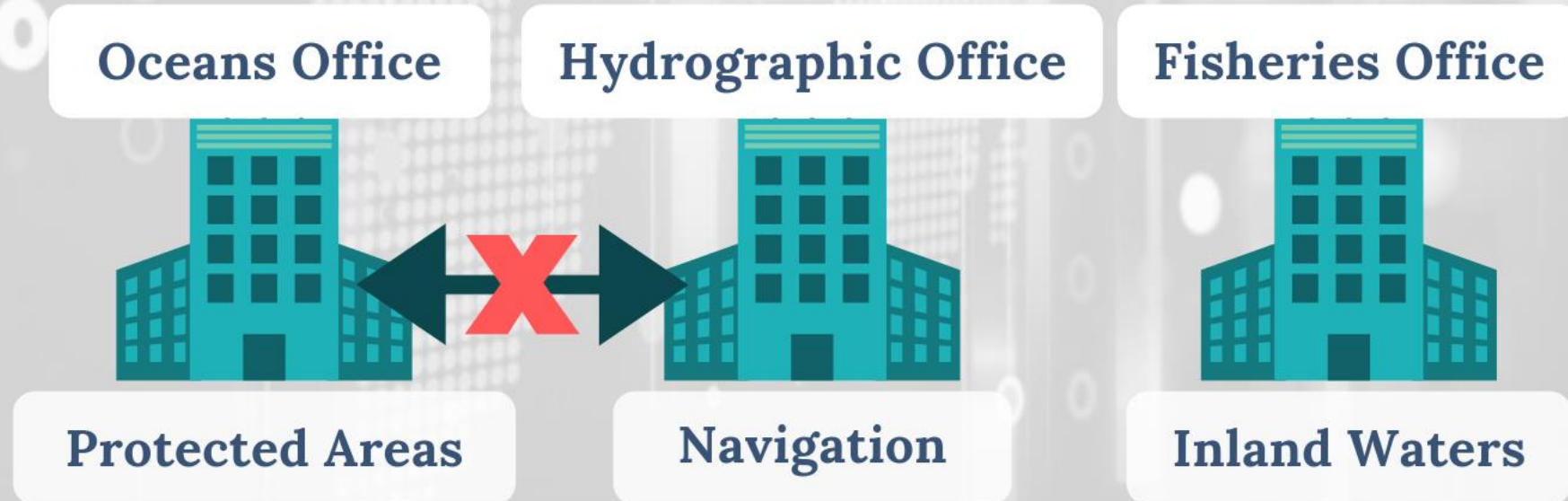


Inland Waters



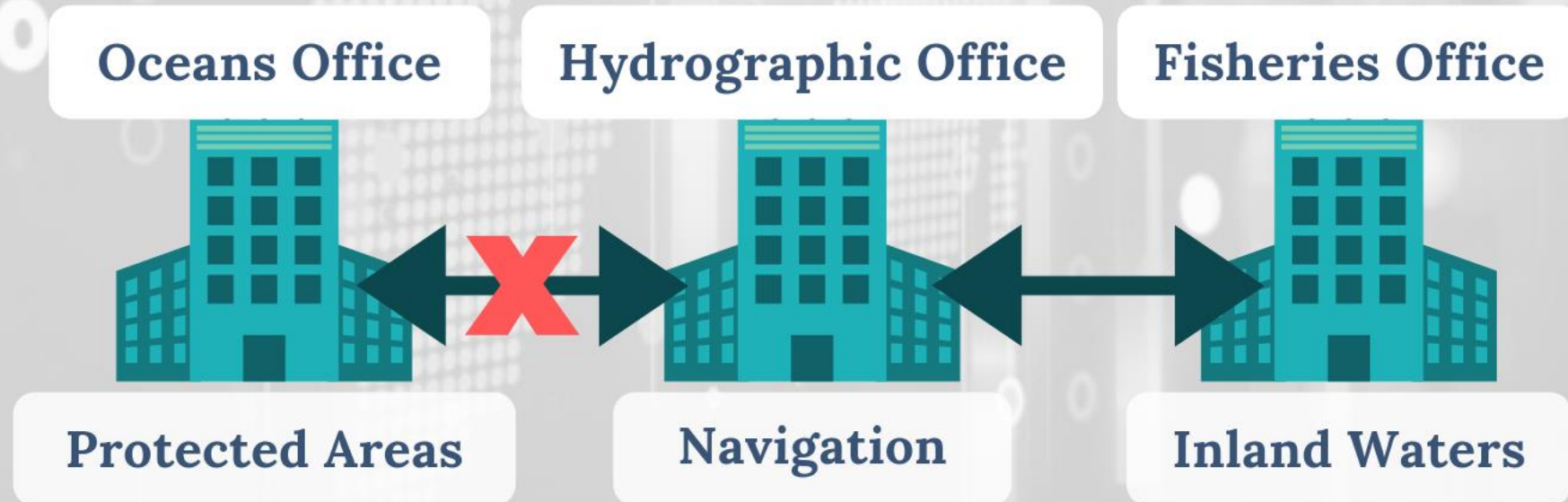
INSIGHTS

Many agencies manage a variety of marine spatial data, each with its own mission.



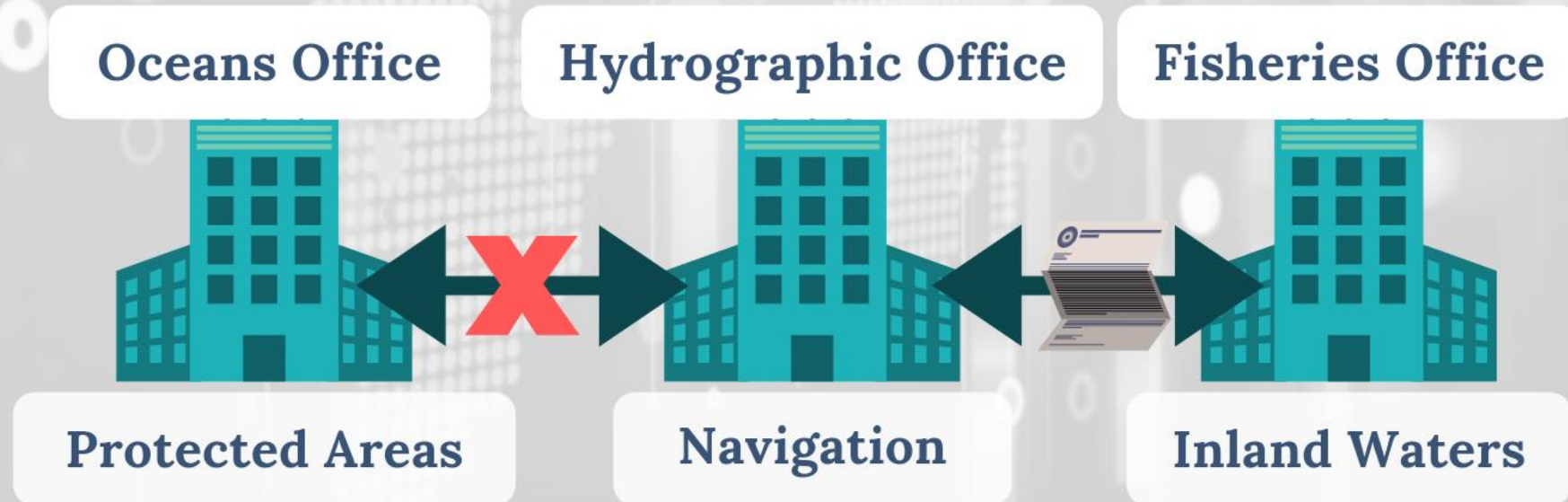
INSIGHTS

Many agencies manage a variety of marine spatial data, each with its own mission.



INSIGHTS

Many agencies manage a variety of marine spatial data, each with its own mission.



INSIGHTS

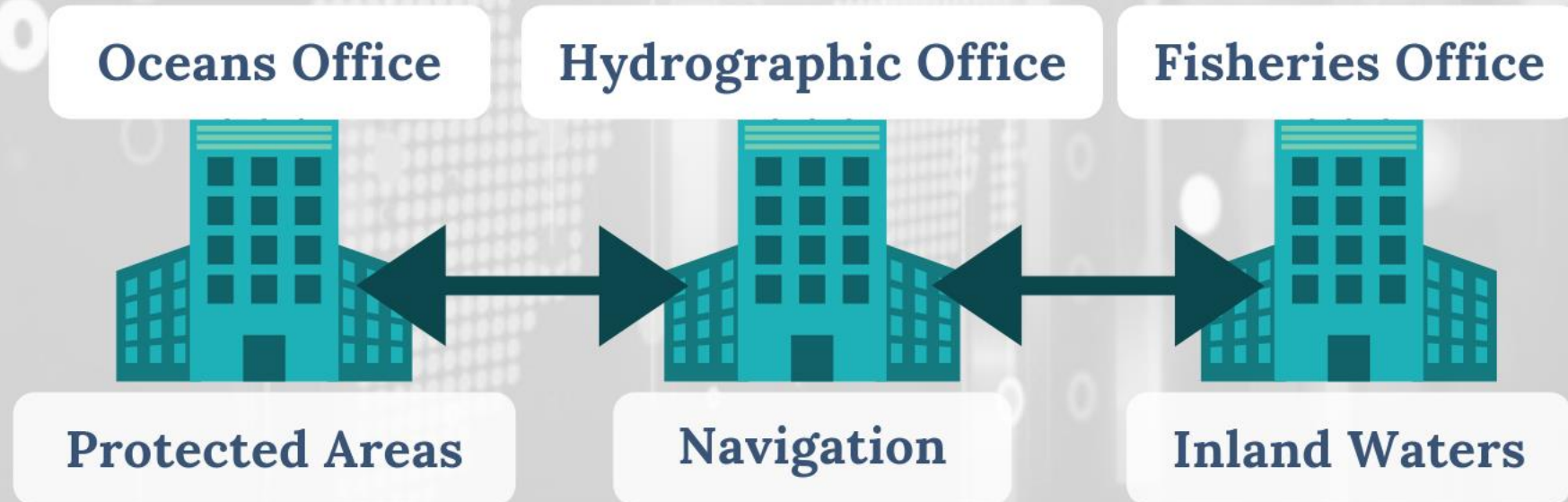
The background features a complex digital aesthetic. It includes a grid of small white dots, some of which are larger and more prominent. Vertical lines of varying thickness and white circles are scattered across the page, creating a sense of depth and movement. The overall color palette is light gray and white, with a teal accent line at the top and bottom.

INSIGHTS

Data are not collected and managed consistently across different levels of government and across agencies.

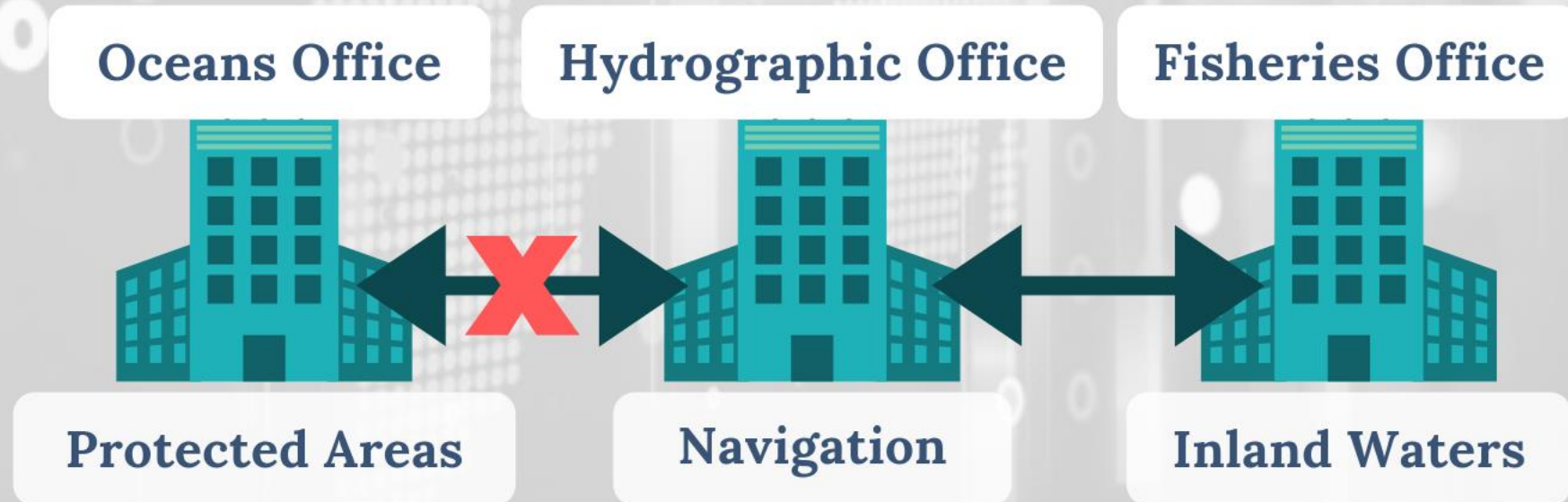
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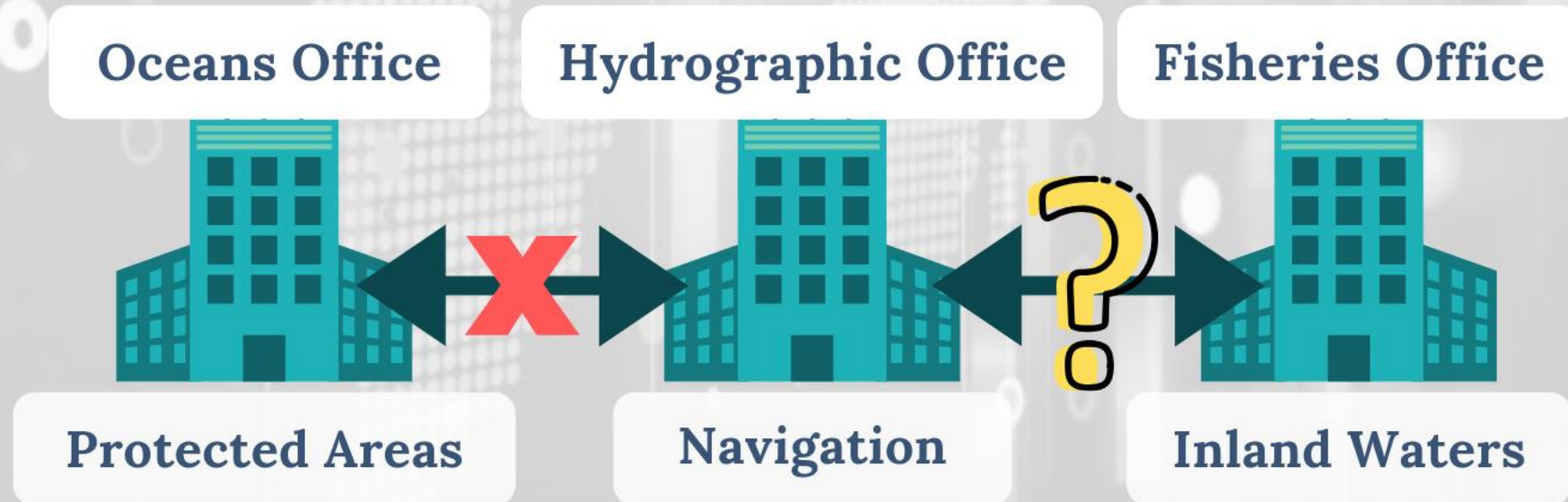
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INSIGHTS

There were two solutions to facilitate the sharing of data:
data-sharing partnerships and/or legislation.

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Oceans Office



Protected Areas

Hydrographic Office



Navigation

Fisheries Office



Inland Waters

INSIGHTS

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Oceans Office



Protected Areas

Hydrographic Office



Navigation

Fisheries Office



Inland Waters

INSIGHTS

There were two solutions to facilitate the sharing of data:
data-sharing partnerships and/or **legislation**.

Oceans Office

Hydrographic Office

Fisheries Office



Protected Areas

Navigation

Inland Waters

CONCERNS

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CONCERNS

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

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 - Copyright / licensing issues
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 - 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

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The background features a faint, stylized world map composed of a grid of small dots. Overlaid on this map are various data visualization elements, including vertical bars of varying heights, horizontal lines, and several circular nodes connected by thin lines, suggesting a network or data flow. The overall aesthetic is clean and modern, with a light gray color palette and a subtle teal accent at the top and bottom.

DISCUSSION

Is there any additional feedback on the exercise itself?

DISCUSSION

Is there any additional feedback on the exercise itself?

Is there support for sharing the exercise with a larger group?



THANK YOU!
