

Marine Spatial Planning: International and National Perspectives

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**National Oceanic and Atmospheric Administration (NOAA)
Coastal Services Center**

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Management Conference
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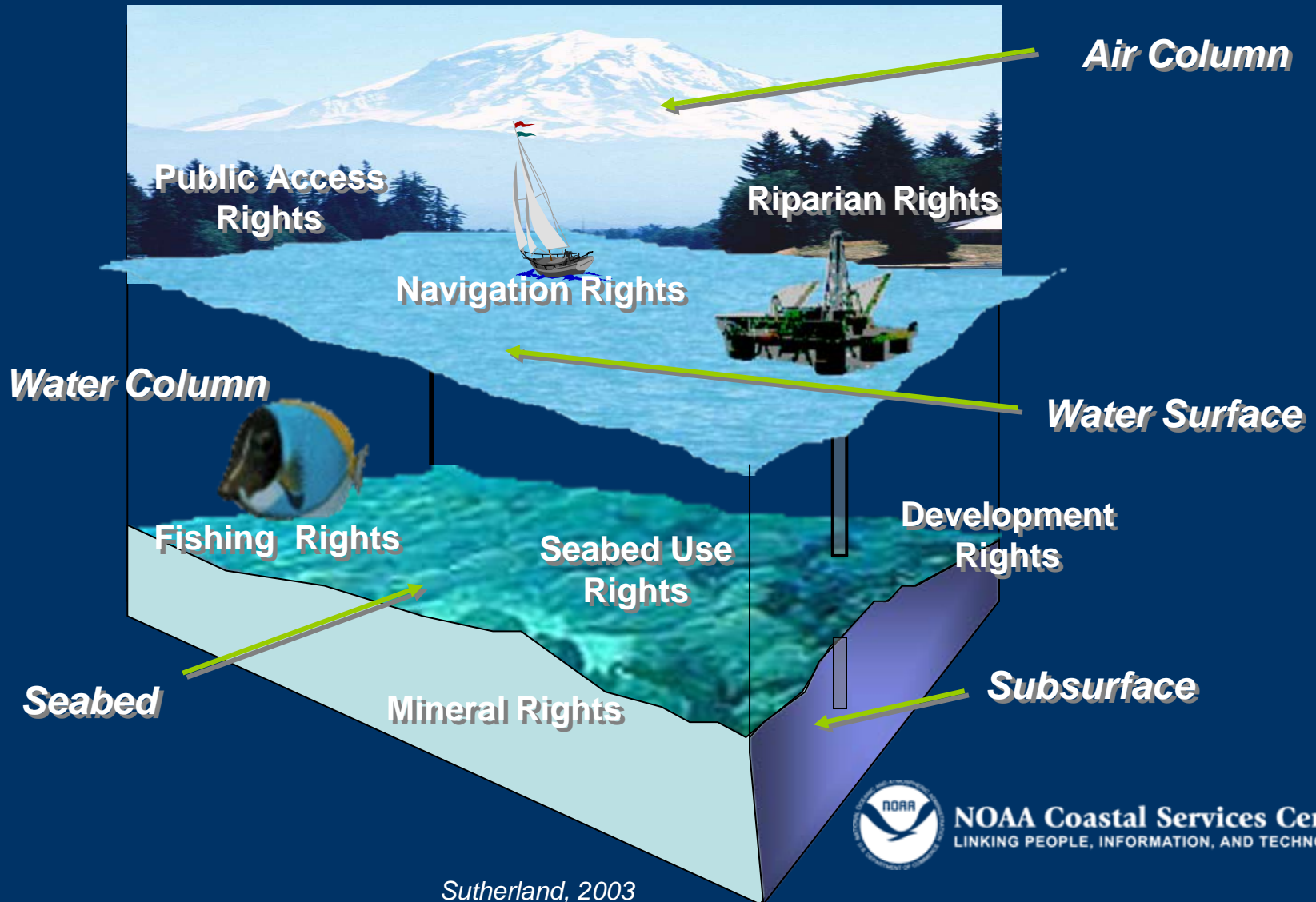
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Outline

- Multiple Marine Uses
- What is Marine Spatial Planning?
- International Examples
- National Example
- Activities at the Coastal Services Center
 - Marine Boundary Working Group
 - *Marine Managed Areas: Best Practices for Boundary Making Handbook*
 - Multipurpose Marine Cadastre



Marine Uses and Rights



What Is Marine Spatial Planning (MSP)?



- Allocating marine space to specific uses to achieve ecological, economic, and social objectives
- ONE tool to achieve ecosystem-based management
- Ocean Zoning, a regulatory measure to implement MSP



Isn't MSP the same as . . .

- **Marine Protected Area (MPA) Management?**

No – An MPA's principal goal is conservation and protection. MSP integrates multiple objectives (economic, environmental, social) across sectors and can include MPAs.

- **Ecosystem Approach to Fisheries Management?**

No – Approach focuses on planning, developing, and managing fisheries in a manner that addresses societal needs, while optimizing for future generations. MSP often integrates broader objectives (environmental) across more sectors.

- **Coastal Zone Management?**

No – Boundaries of coastal zone management are limited in scope. MSP includes the territorial sea and exclusive economic zone (EEZ), as well as integration with coastal and inland areas.

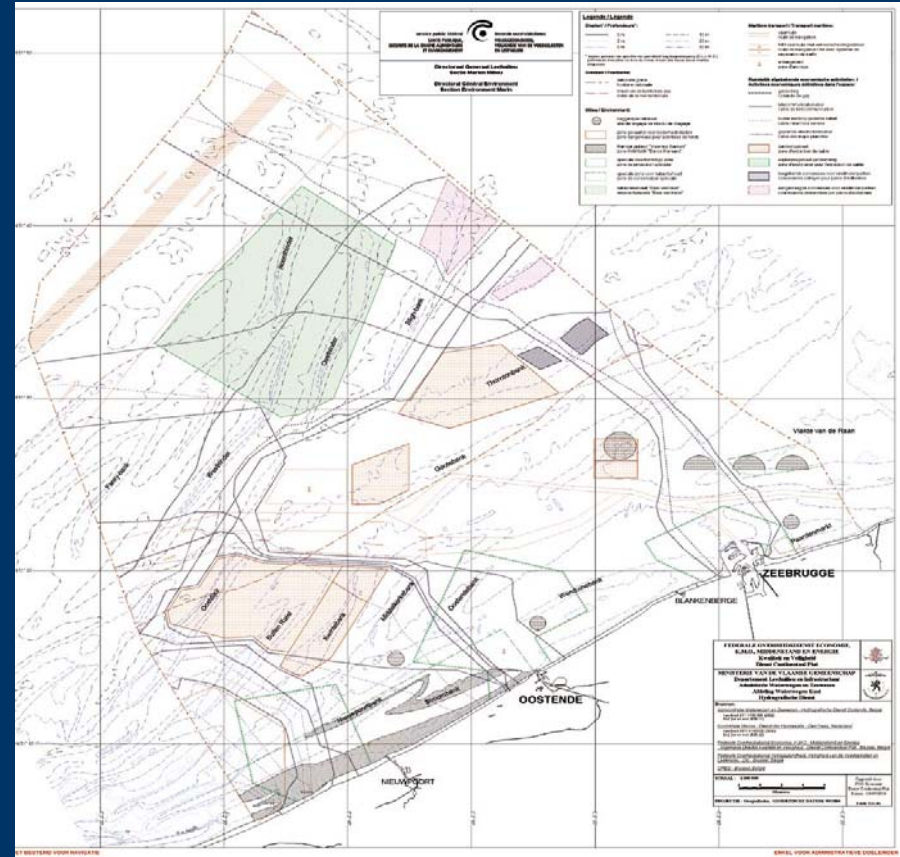
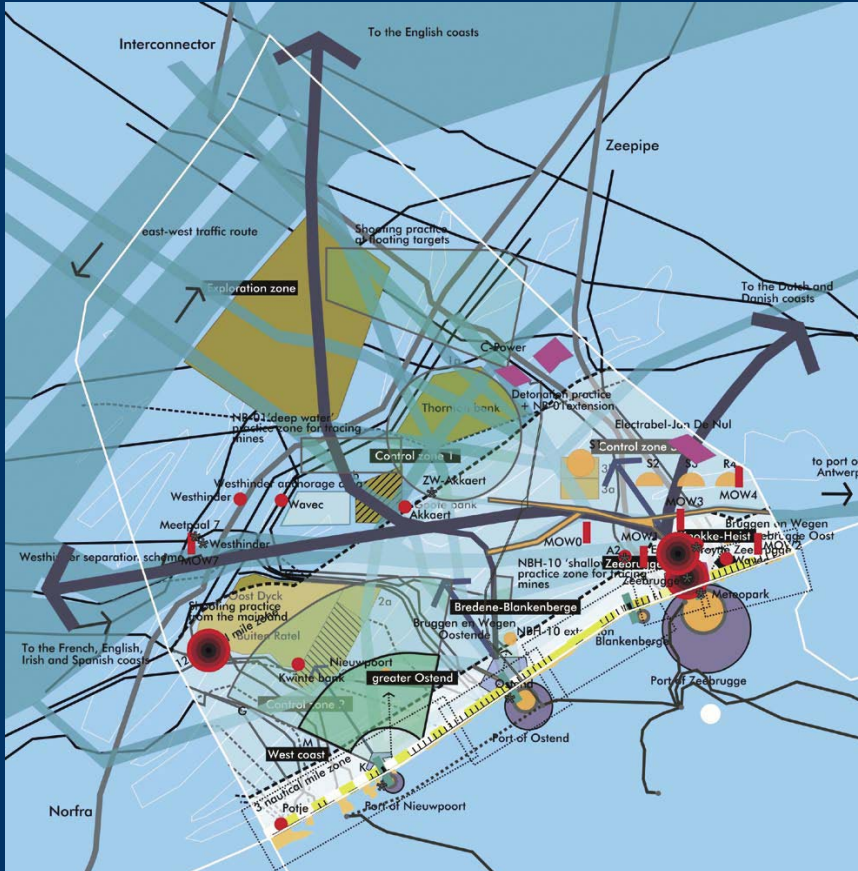


Example of Marine Spatial Planning

- **Australia, Great Barrier Reef Marine Park**
- **Belgium, Belgium Part of the North Sea**
- **Canada, Eastern Scotian Shelf Integrated Management**
- **Germany, EEZ and Territorial Sea Spatial Planning**
- **United Kingdom, MSP Pilot Project in Irish Sea and the Marine Bill**



Belgium



Belgian Federal Government, Directorate General for Environment



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Marine Spatial Planning at the Coastal Services Center

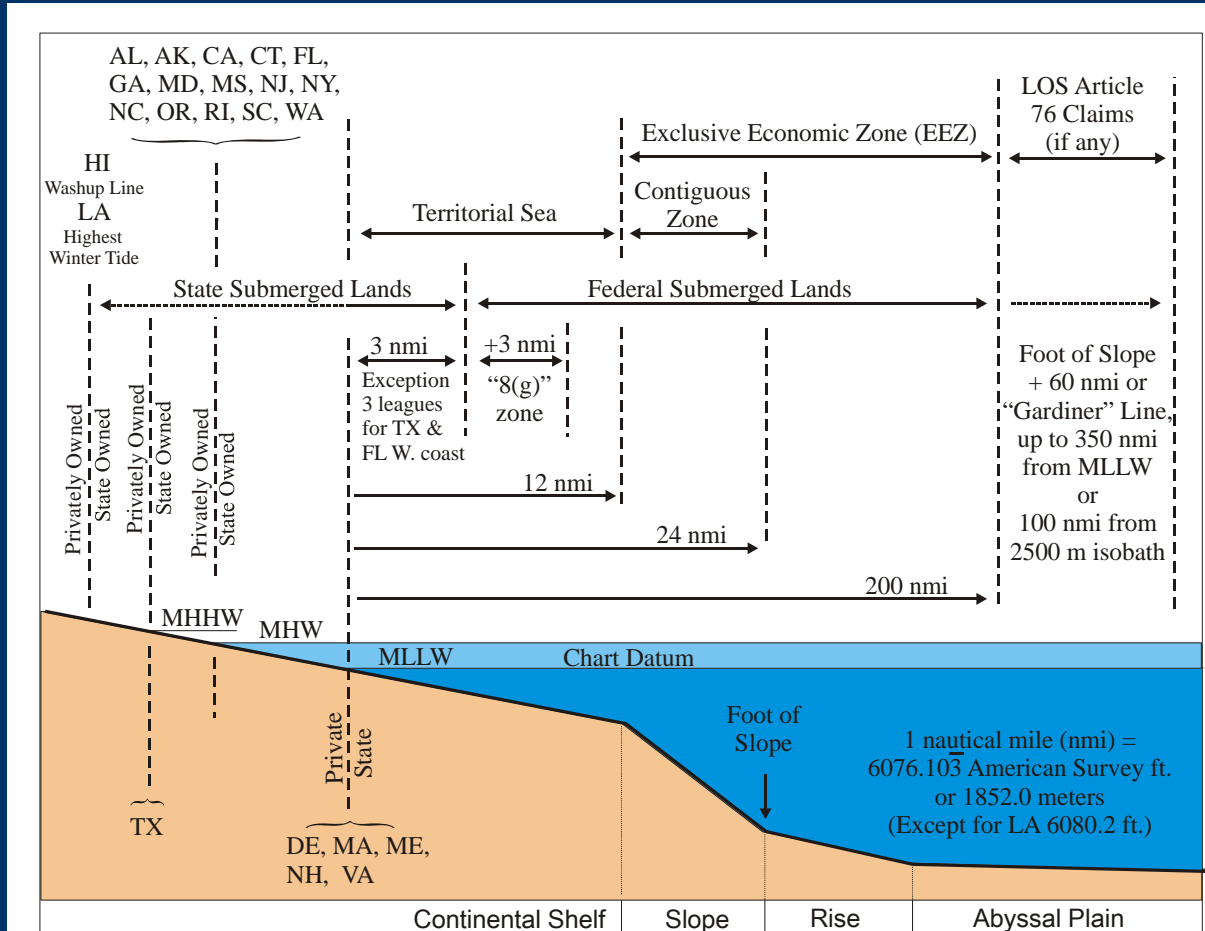
The Center seeks to develop products, best management practices, and partnerships that build geospatial capacity for regulating, managing, and protecting the marine environment.

Two focus areas: marine boundary making and decision-support tools



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Marine Boundaries



The Marine Boundary Working Group



The Federal Geographic Data Committee (FGDC) Marine Boundary Working Group (MBWG), through its membership and collaborative efforts, fosters integrated approaches to the legal and geospatial descriptions of marine boundaries and mapping of marine boundary features within the territorial waters of the U.S.



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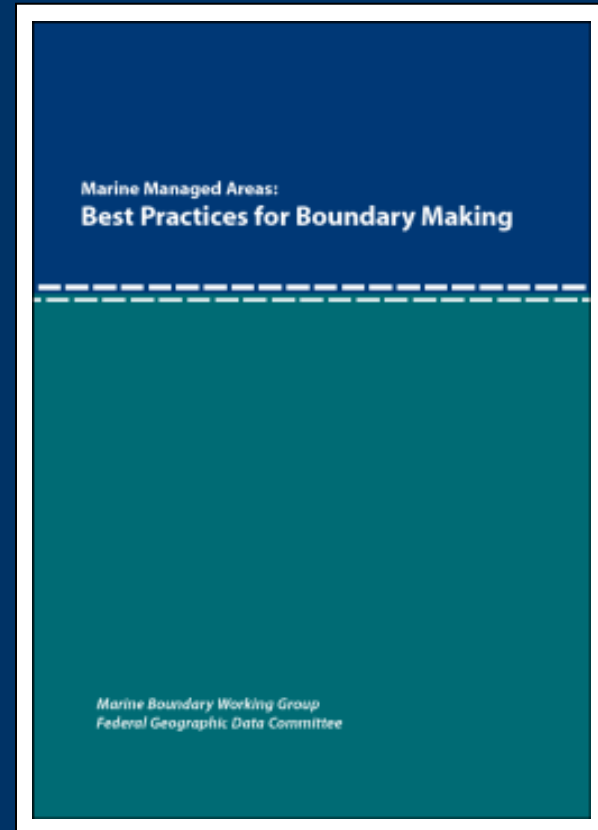
MBWG Activities

- Published the *Marine Managed Areas: Best Practices for Boundary Making Handbook*
- Initiated the development of the Multipurpose Marine Cadastre project
- Continue to sponsor and coordinate marine boundary sessions at the International Submerged Lands Management Conference
- Continue to develop a comprehensive list of marine boundary data, agencies of responsibility, and associated legislation and regulations (data portal)



Marine Managed Areas: Best Practices for Boundary Making Handbook

- Provides best practices for conceptualizing, writing, and developing digital marine boundaries
- Eases transition from traditional to modern mapping techniques
- Helps to reduce boundary misunderstandings and litigation



www.csc.noaa.gov/products/mb_handbook



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Digital Coast: Legislative Atlas

- Find summaries of federal and state laws
- See on a map where federal and state laws apply and the location of marine boundaries
- Download the spatial data for federal and state laws

The screenshot shows the NOAA Coastal Services Center website for the Digital Coast Legislative Atlas. The header includes the NOAA logo and the text "NOAA Coastal Services Center LINKING PEOPLE, INFORMATION, AND TECHNOLOGY". Navigation links include "Center Home", "About the Center", "Program Areas", and "Pacific Services Center". A search bar is labeled "Search CSC" with a "Go" button. Below the search bar are links for "Advanced Search", "GIS Integration & Development", and "Digital Coast: Legislative Atlas". The main content area features a map of the Gulf of Mexico with a red dot and a north arrow. Text on the map reads: "DIGITAL COAST: Legislative Atlas. The Legislative Atlas allows users to visualize where selected coastal and ocean laws apply helping regional collaborations to make sense of the complex governance system of our oceans and coasts. Select a highlighted region of interest from the adjacent map to access regional internet mapping sites." Below the map are tabs for "Map Legislation: Gulf of Mexico" and "Federal", and a "Search Legislation" button. A section titled "What Is the Legislative Atlas?" explains that the atlas supports regional ocean and coastal management efforts by mapping key state and federal laws and jurisdictions. It lists features: a searchable database of coastal and ocean legislation, state and federal legislative and agency summaries, downloadable spatial data and metadata, and on-line mapping. At the bottom left, there are links for "US DOC | NOAA | IOS" and "NOAA Coastal Services Center".

www.csc.noaa.gov/legislativeatlas/



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Thank You.

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For more information on MSP, visit

<http://ioc3.unesco.org/marinesp/>



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