

4TH GEO

BLUE PLANET SYMPOSIUM

4-6 July 2018 – Toulouse, France

OSPAR



Assessing the state of regional seas: Ocean observation to indicators

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#GEOBluePlanet4

Presentation outline

1. OSPAR overview
2. OSPAR observation to assess ocean health
3. Challenges & next steps

1. OSPAR overview



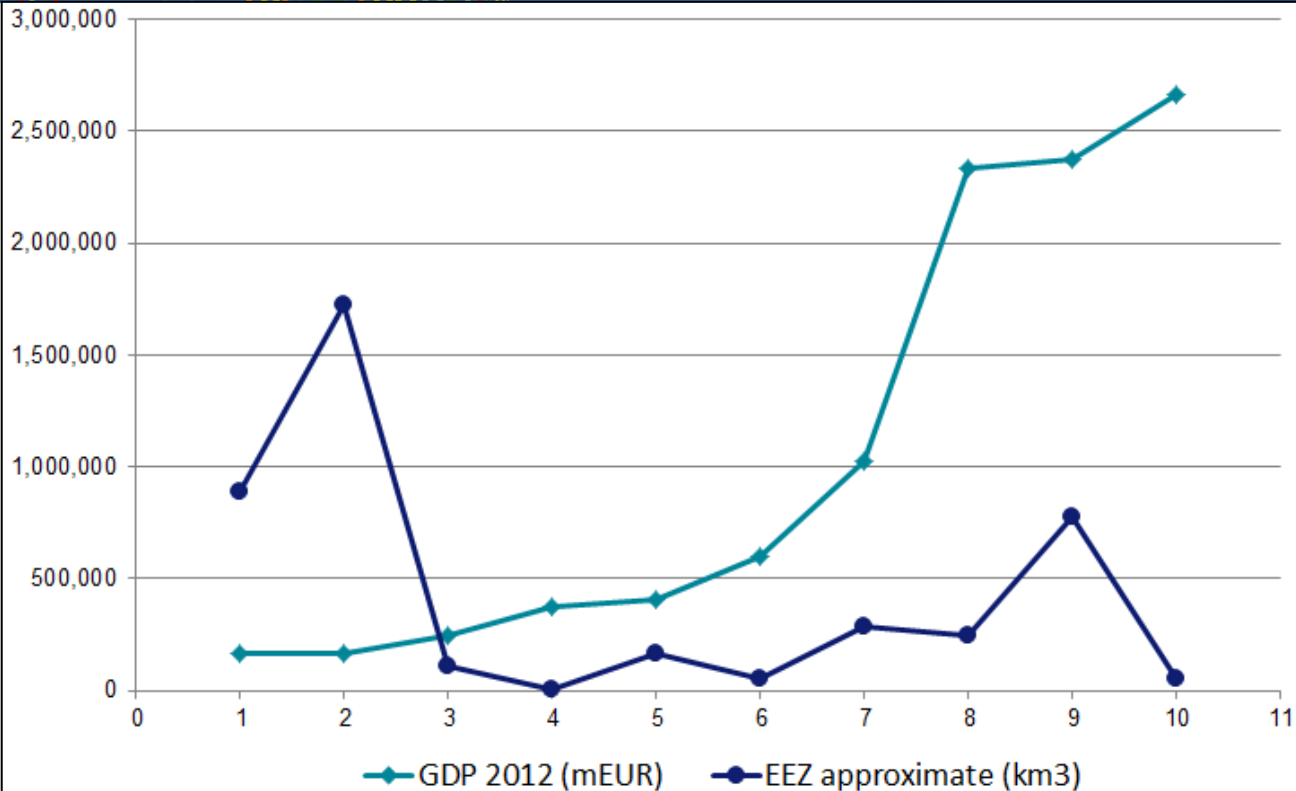
OSPAR Maritime Area and Regions

- Region I Arctic Waters
- Region II Greater North Sea
- Region III Celtic Seas
- Region IV Bay of Biscay/Iberian Coast
- Region V Wider Atlantic

16 Contracting Parties

- Belgium
- Denmark
- Finland
- France
- Germany
- Iceland
- Ireland
- Luxembourg
- The Netherlands
- Norway
- Portugal
- Spain
- Sweden
- Switzerland
- The United Kingdom
- European Union

1. OSPAR overview

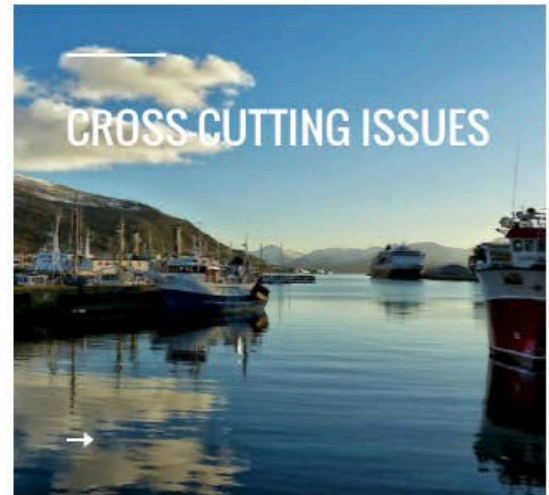


GDP and sea area
(EEZ) of OSPAR
Contracting
Parties

1. OSPAR overview



- 40 years experience
- Practical
- Bottom-up
- EU & non-EU Parties
- Regionally coherent
- Consensus



1. OSPAR overview



- Fisheries (no OSPAR measures)
- Shipping (IMO to take measures)
- Dumping and Dredging
- Offshore renewable energy
- Oil and gas exploration
- Coastal defence and other structures
- Cables and pipelines
- Artificial reefs
- Land reclamation
- Sand and gravel extraction
- Tourism
- Mariculture
- Marine litter
- Underwater noise
- Dumped munitions

COASTAL BASELINE

Generally the maximum low-water tidal mark.

INTERNAL WATERS

Marine areas within a hypothetical polygon joining a country's capes and land projections.

TERRITORIAL SEA

Marine area within a 12nm contour line around a country.

EXCLUSIVE ECONOMIC ZONE

Marine area within a 200nm contour line around a country.

HIGH SEAS

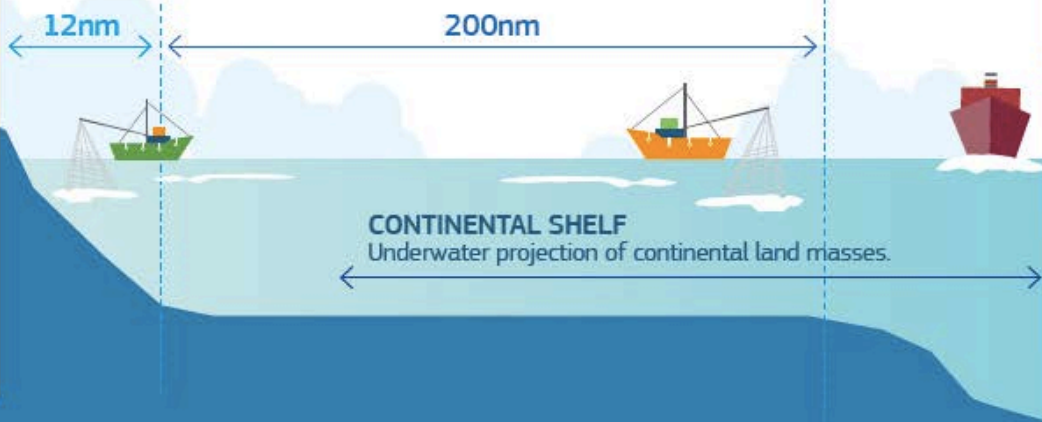
Marine areas beyond any national jurisdiction.

AREA

The ocean floor beyond any national jurisdiction.

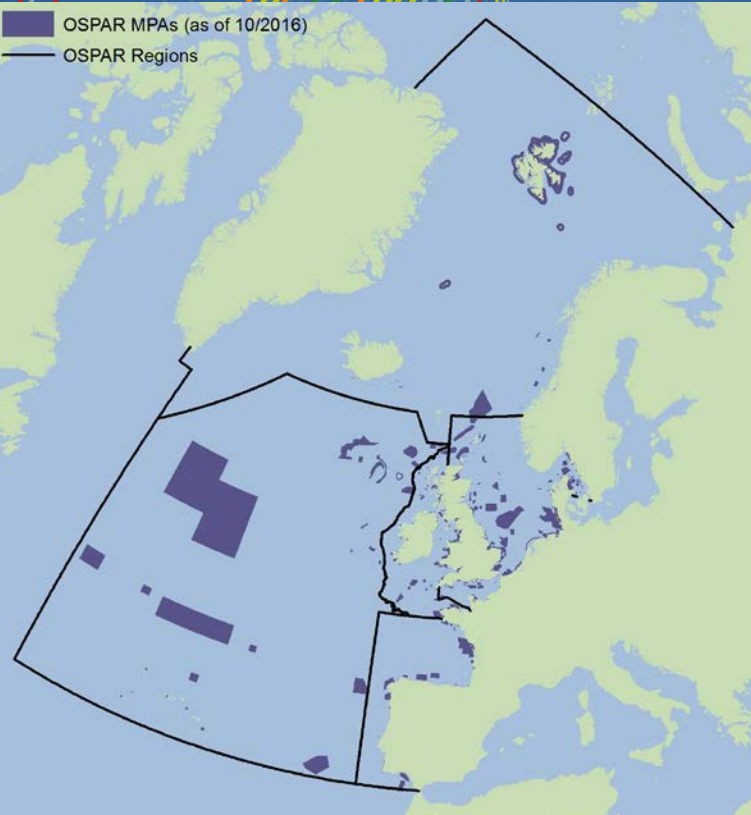
CONTINENTAL SHELF

Underwater projection of continental land masses.



All activities and resources at sea are interconnected, including their overall impact on marine ecosystems and coastal communities. This complexity is not sufficiently considered under the sectorial approaches used, causing a lack of efficiency and poor coordination.

1. OSPAR overview



Marine Protected Areas

- Cooperation to establish MPA network
- 448 MPAs, including seven in ABNJ
- Network covers 5.9% of the OSPAR area; 16.7% of coastal waters
- 2.3% in national EEZs
- 8.9% in areas beyond national EEZs

2. Observation & assessment

OSPAR's Coordinated environmental monitoring programme (CEMP)



**Information
collection**



**Monitoring
guidelines**



Assessment criteria

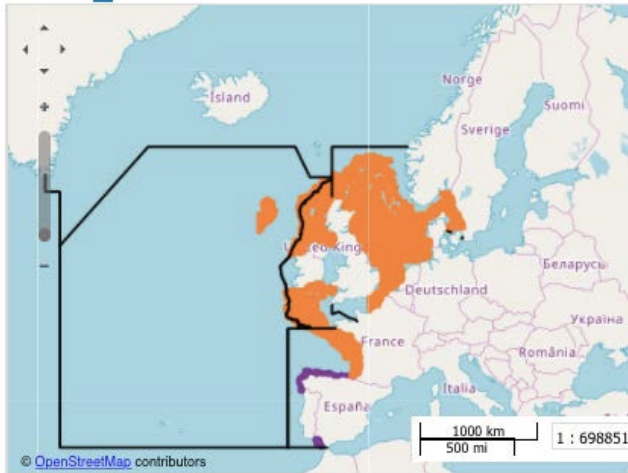


**Quality assurance
tools**

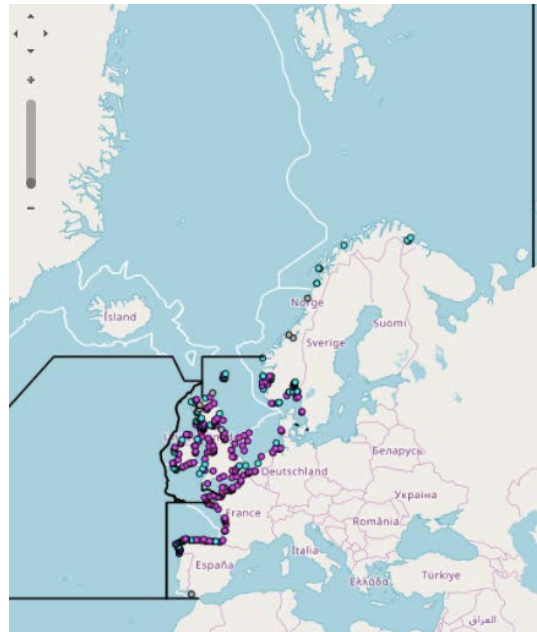


**Fully coordinated
CEMP
component**

2. Observation & assessment



Seabed litter

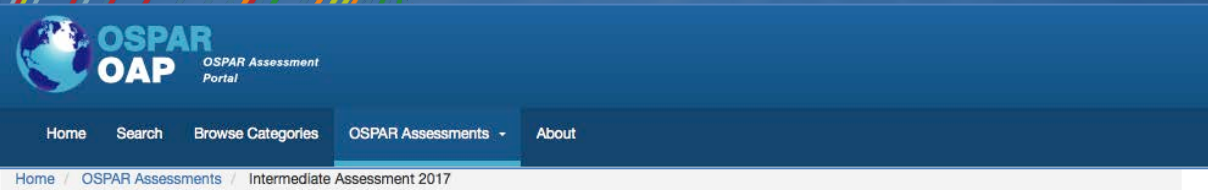


Contaminants



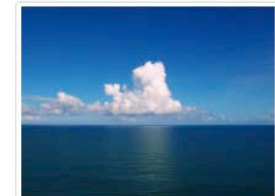
Noise

2. Observation & assessment

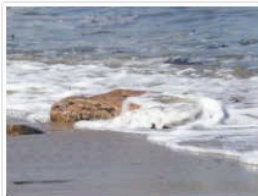


Intermediate Assessment 2017

OSPAR's Intermediate Assessment 2017



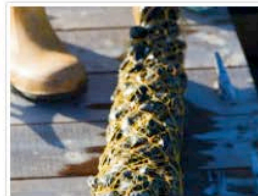
Key Messages and Highlights



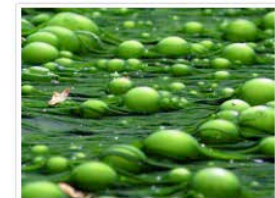
Introduction to the Intermediate Assessment 2017



Climate and Ocean Acidification



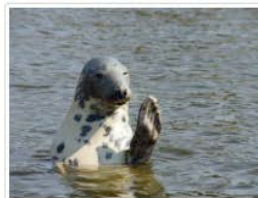
Socio-Economics



Pressures from Human Activities



Biodiversity Status



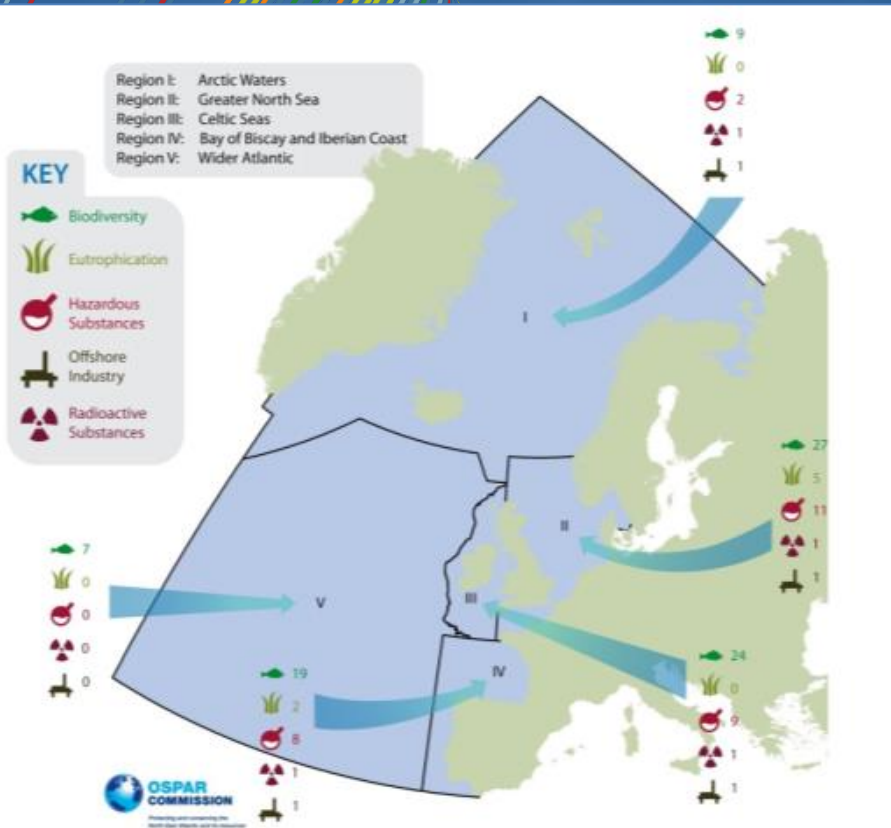
Ecosystem Assessment Outlook



Acknowledgements

Assessments by Theme

Non-indigenous species	1
Marine mammals	6
Marine birds	2
Fish communities	3
Benthic habitats	4
Pelagic habitats	3
Foodwebs	3
Marine protected areas	1
Marine litter	3
Noise (impulsive)	1
Dredged material	1
Eutrophication / nutrients	6
Hazardous substances	11
Radioactive substances	1
Offshore industry	1
Total	47



2. Observation & assessment

The screenshot shows the OSPAR ODIMS website homepage. At the top left is the OSPAR ODIMS logo with the tagline "OSPAR Data & Information Management System". The navigation bar includes links for Home, Maps, Documents & Data, and About, along with a Sign In button and a search bar. The main banner features a background image of a yellow buoy in the ocean and contains the text: "Welcome to ODIMS", "OSPAR's Data & Information Management System", and "ODIMS is a fully featured platform for accessing OSPAR's geospatial maps, data and metadata." Below the banner are three feature cards: "33 Maps" with a map icon, "199 Layers" with a diamond icon, and "Metadata" with a magnifying glass icon. A cookie consent banner is visible at the bottom right.

OSPAR
ODIMS OSPAR Data & Information Management System

Home Maps Documents & Data About Sign In Search

Welcome to ODIMS

OSPAR's Data & Information Management System

ODIMS is a fully featured platform for accessing OSPAR's geospatial maps, data and metadata.

About

33 Maps
Data is available for browsing.

199 Layers
Click to search for geospatial data

Metadata
Search and discover OSPAR geospatial

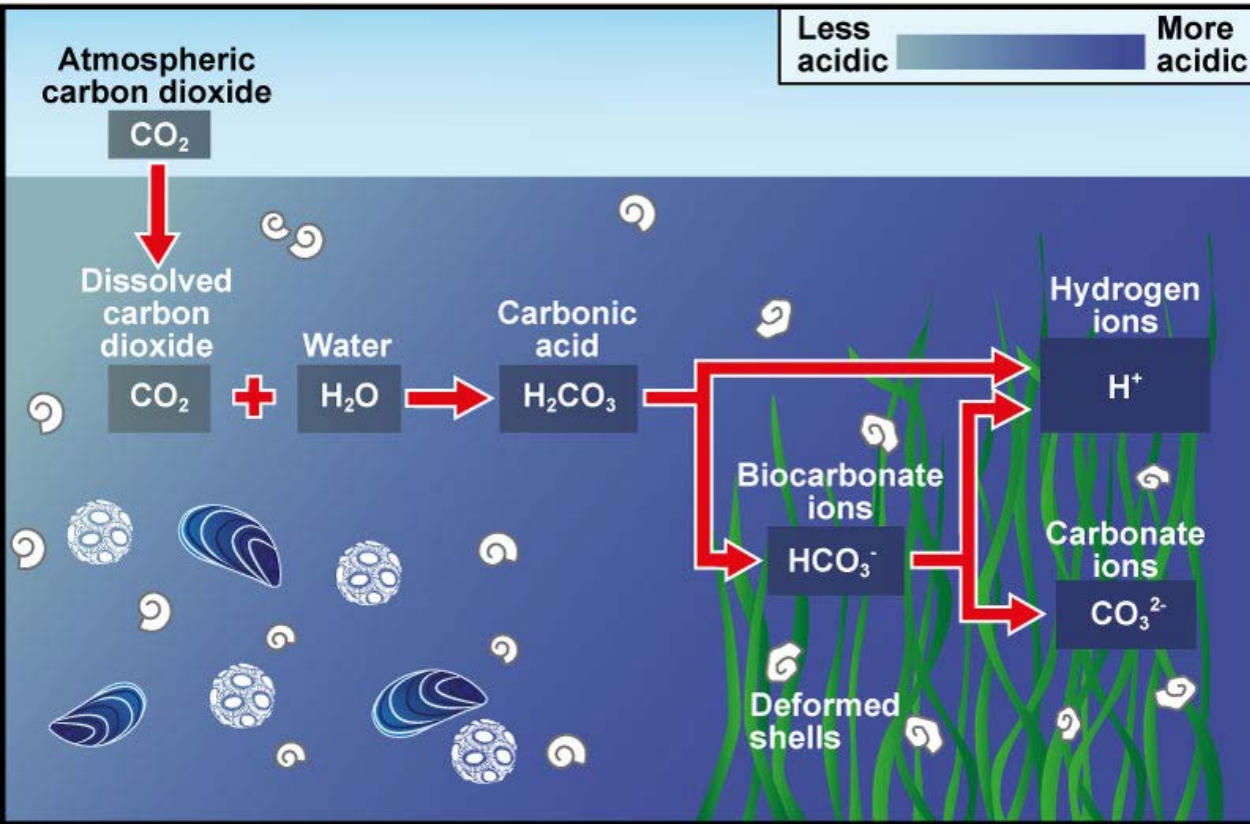
This website uses cookies to ensure you get the best experience. [EU Cookie Law](#)

Dismiss

ODIMS stores documents and raw data

OSPAR's Intermediate Assessment 2017

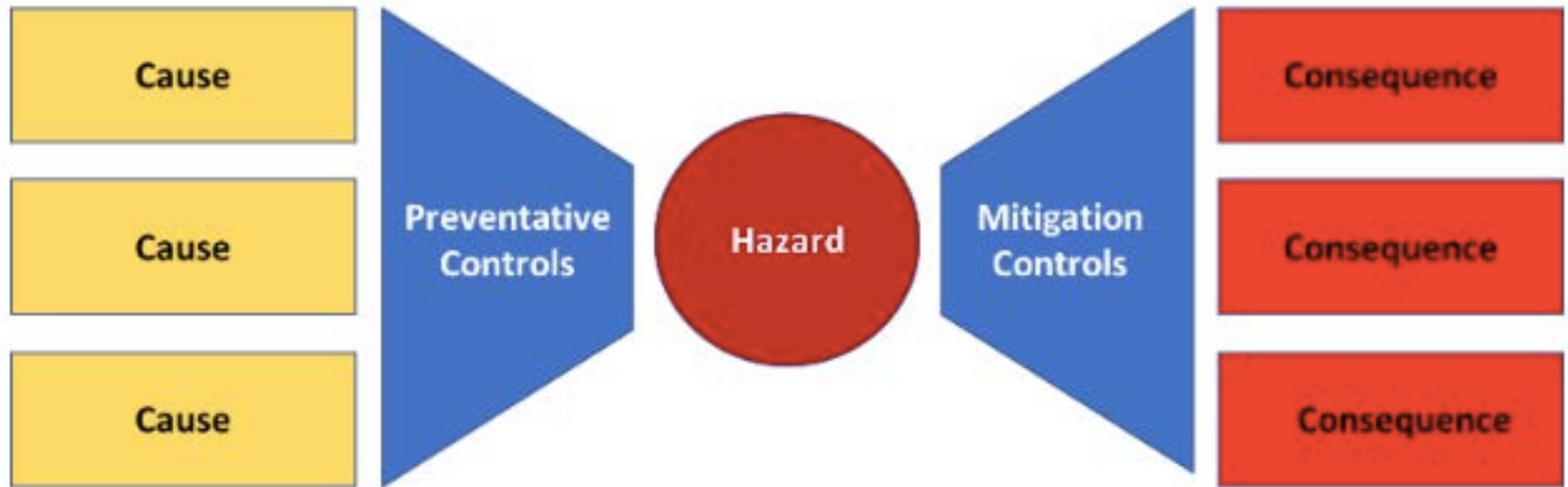
3. Challenges and next steps



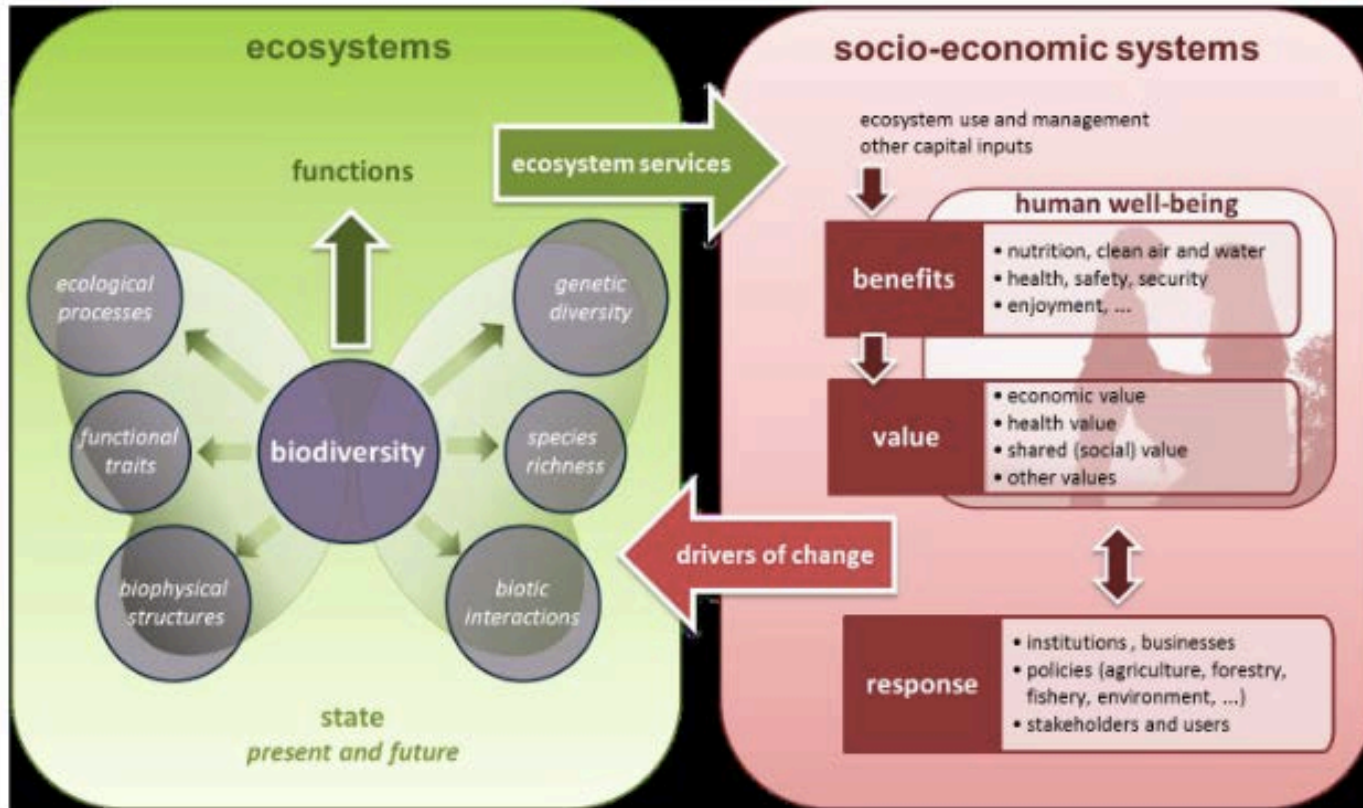
Climate change and ocean acidification

3. Challenges and next steps

Ecosystem approach; cumulative effects assessment



3. Challenges and next steps



Socio-economic assessment

3. Challenges and next steps

EU's
MSFD

1. Biological diversity 	2. Non-indigenous species 	3. Population of commercial fish/shellfish 	4. Elements of marine food webs 
5. Eutrophication 	6. Sea floor integrity 	7. Alteration of hydrographical conditions 	8. Concentrations of contaminants 
9. Contaminants in fish/seafood for human consumption 	10. Marine litter 	11. Introduction of energy including underwater noise 	

Good Environmental
Status

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 INEQUALITIES

11 SUSTAINABLE CITIES AND COMMUNITIES

12 RESPONSIBLE CONSUMPTION AND PRODUCTION

13 CLIMATE ACTION

14 LIFE BELOW WATER

15 LIFE ON LAND

16 PEACE, JUSTICE AND STRONG INSTITUTIONS

17 PARTNERSHIPS FOR THE GOALS

3. Challenges and next steps

OSPAR Quality Status Report 2023

- Build on Intermediate Assessment
- Cover all OSPAR Regions
- Ecosystem assessment, including cumulative effects
- Indicator assessments aligned to MSFD & SDGs
- Assessment of effectiveness of measures
- Publication in 2023