



OSPAR Convention – 1992

Convention for the protection of the marine environment of the North East Atlantic

Main Objectives and obligation to:

- Prevent and eliminate pollution
- Protect the OSPAR maritime area against the adverse effects of human activities
- Safeguard human health and conserve marine ecosystems
- •When practicable, restore marine areas

Guiding Principles:

- •Ecosystem Approach the overarching concept and basis for OSPAR's work
- Precautionary Principle
- Polluter Pays principle
- Best Available Techniques and Best Environmental Practices



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For the purpose of the OSPAR Convention, the ecosystem approach is defined as

"the comprehensive integrated management of human activities based on the best available scientific knowledge about the ecosystem and its dynamics, in order to identify and take action on influences which are critical to the health of marine ecosystems, thereby achieving sustainable use of ecosystem goods and services and maintenance of ecosystem integrity"



16 Contracting Parties

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



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





OSPAR Strategy

The North-East Atlantic Environment Strategy

Part I: Implementing the Ecosystem Approach

Part II: Thematic Strategies:

Biological Diversity and Ecosystems Eutrophication Hazardous Substances Offshore Oil and Gas Industry Radioactive Substances

The Joint Assessment and Monitoring Programme



OSPAR Quality Status Report 2010

QSRs are statements on the health status of the sea, including:

- analysis of the hydrodynamics, chemistry, habitats and biota
- the impact of humans over space and time against this background of natural variability
- the cumulative and relative impact of all the human pressures on the marine environment.
- evaluation of the effectiveness of the measures taken
- identification of priorities for action
- basis for further implementing the ecosystem approach



Achievements since 2010

Biodiversity &

+ Recommendations to improve the status of 55 species and habitats of concern

+ An increase from 159 MPAs (1.06% of OSPAR Maritime Area) in 2010 to 448 (5.9%) in 2016

+ Development of >20 new regional biodiversity indicators

+ Recommendation to take account of OSPAR listed species and habitats in Environmental Impact Assessments

+ Regional Action Plan on marine litter



Ecosystems

+ A Comprehensive Common Procedure to identify eutrophication

+ Reduction of nutrient inputs from land

+ Assisting Contracting Parties to meet relevant EU Directives

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Hazardous Substances + 56 measures addressing industries and diffuse sources of pollution

+ Identified chemicals for priority action and substances of concern to the marine environment

+ Helping Contracting Parties meet EU Directives



Altantic Environment Strategy

North-East

Offshore Industry + Measures in place to reduce discharges from the oil and gas industry

+ Harmonised mandatory control system for offshore chemicals

+ List of substances / preparations used and discharged offshore which are considered to 'pose little or no risk' to the marine environment



Radioactive Substances + Periodic evaluations of progress Contracting Parties have made in reducing discharges of radioactive substances

+ Across the nuclear sub-sectors, overall evidence of reductions indischarges

+ A complete and permanent ban on all dumping of radioactive waste and other matter



Assessment a

+ Long-term and new regionally coordinated monitoring programmes

+ Data sharin

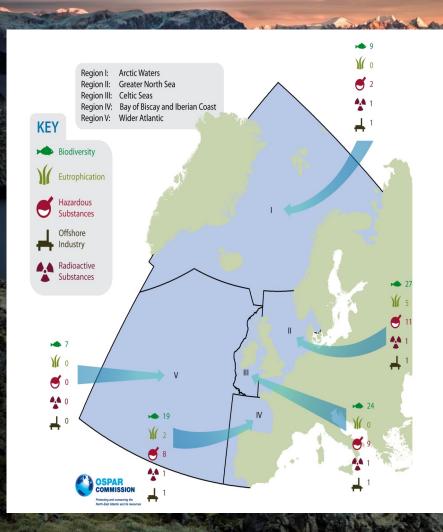
+ Thematic assessments and indicator assessments at the regional scale



Intermediate Assessment (IA) 2017



Spatial Coverage of Assessments (by Strategy)



Assessments by Theme

Non-Indigenous Species

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 (ex Radioactive Substances)	11
Offshore Industry	1
Radioactive Substances	1
Total	47



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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



Key Messages and Highlights



The network of OSPAR Marine Protected Areas is expanding



Marine birds in trouble



Benthic habitats affected by bottom fisheries



Fish communities show signs of recovery in some areas



Radioactive discharges from the nuclear sector have decreased



Contaminant concentrations are decreasing, but concerns remain



Discharges from offshore oil and gas installations have decreased due to OSPAR measures



Cooperation ensures progress



Mixed signals for marine mammals



Marine litter is a problem



New developments in the way biodiversity is assessed



Eutrophication is still a problem in some areas



Marine birds in trouble

For more than a quarter of the marine bird species assessed, abundance has dropped considerably since 1992 Marine birds are sensitive to a variety of pressures including those from fishing, predation, loss of habitat and changes in water quality

25 bird species assessed

Diving birds that feed on fish within the water column are faring much better than those that feed at the surface

Percentage of species experiencing widespread breeding failure

44% Norwegian Arctic Waters

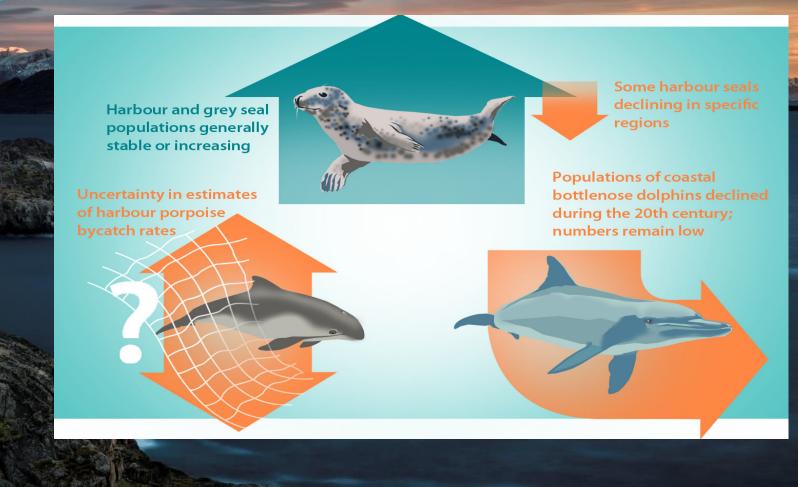
25% Celtic Seas

35% Greater North Sea

OSPAR Regions

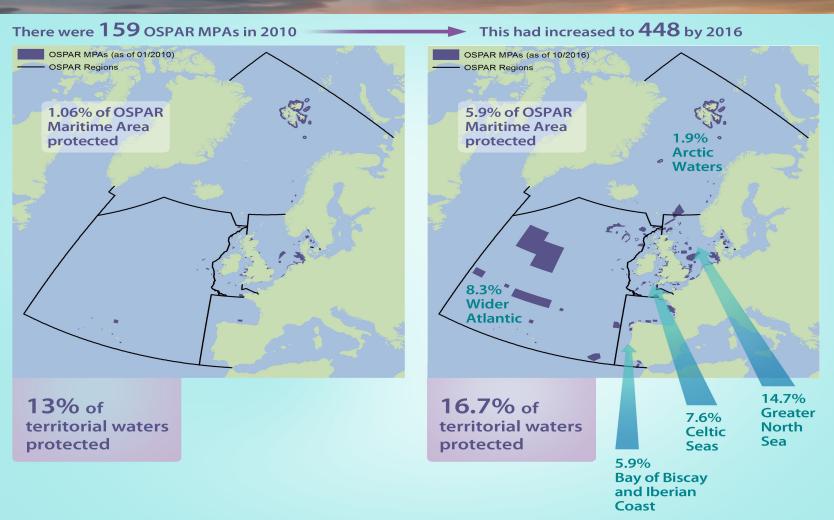


Mixed signals for marine mammals





OSPAR Network of Marine Protected Areas





Contaminants

SINCE 2010...

OSPAR countries routinely measure the levels of contaminants

- Heavy metals
 - Lead
 - Mercury
 - Cadmium
- PAH
- PCB
- PBDE
- Organotins

Concerns remain about high levels of lead, mercury and CB118 (a PCB) in some areas

Contaminant releases from land-based sources decreasing

No changes in amounts of dumped dredged material



Harmful effects of Tributyltin on marine snails decreasing

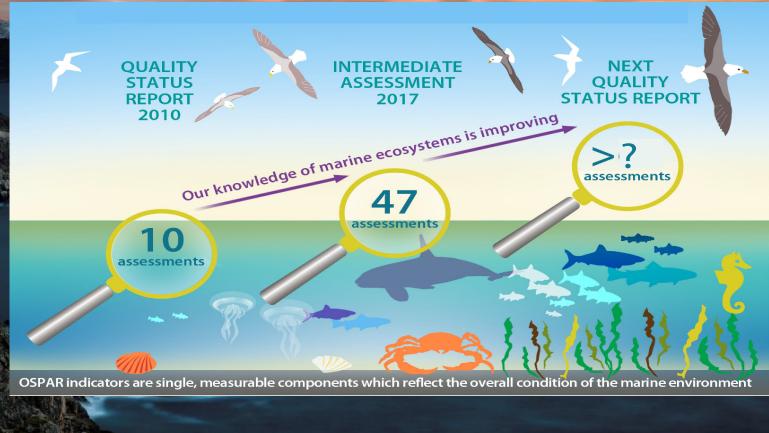
Measurements focus on marine sediments as well as in species which accumulate contaminants higher up the food chain

Concentrations of PAHs and Cadmium are increasing in open waters

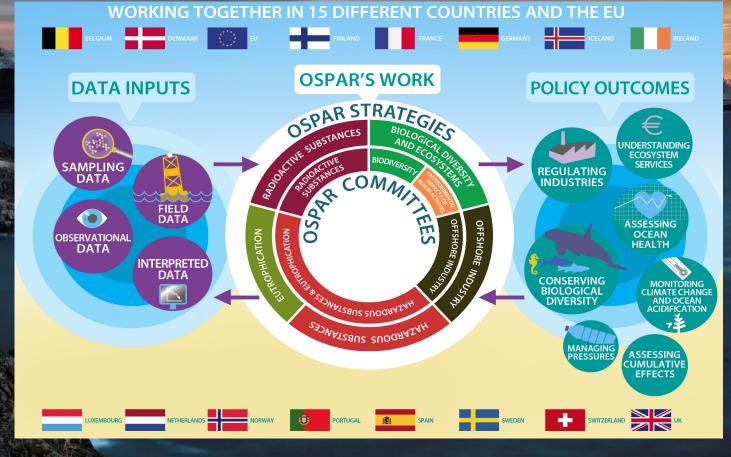


Decreasing contaminant releases from offshore oil and gas industry











Cooperation with international organisations



Arctic Council

NEAFC – Fisheries

NASCO - Salmon

IMO-Shipping

London Convention – dumping, marine litter & decommissioning

ISA - Seabed

Abidjan Convention - West Africa

HELCOM – Baltic Sea

Barcelona Convention - Mediterranean

Black Sea Convention

ICES

EEA - European Environment Agency

EMSA - European Maritime Safety Agency

