

OSPAR and CEP Cooperation

CONSERVE AND SUSTAINABLY USE THE OCEANS, SEAS AND MARINE RESOURCES FOR SUSTAINABLE DEVELOPMENT



John Mouat, Deputy Secretary, OSPAR Commission

OSPAR Commission

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



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





Ocean Conference 2017 Commitment

- Voluntary commitment to collaborate across the Atlantic as a contribution to fulfilling SDG14
 #OceanAction17198
- Focus on common strategic issues and problems





Cooperation Project 2018

- Financial support from the Netherlands and Sweden
- Focus on Marine Litter and Marine Protected Areas
- Joint Collaboration with OSPAR, CEP and the Gulf and Caribbean Fisheries Institute







2018 Cooperation on Marine Litter

- Expert workshop on harmonised marine litter monitoring
- Support for the initial development of a marine litter database
- Support for on the ground projects:
 - Compilation of best practice in CEP and OSPAR
 - Microplastics in fish







OSPAR Common Indicators

- Beach Litter
- Plastic particles in Fulmars stomachs
- Seabed litter

In development:

- Microplastics
- Plastic particles in turtles stomachs







OSPAR's Intermediate Assessment

Home

Search

Browse Categories

OSPAR Assessments -

About

Home / OSPAR Assessments / Intermediate Assessment 2017 / Pressures from Human Activities / Marine Litter

Marine Litter



Beach Litter -Abundance, Composition and Trends



Composition and Spatial Distribution of Litter on the Seafloor



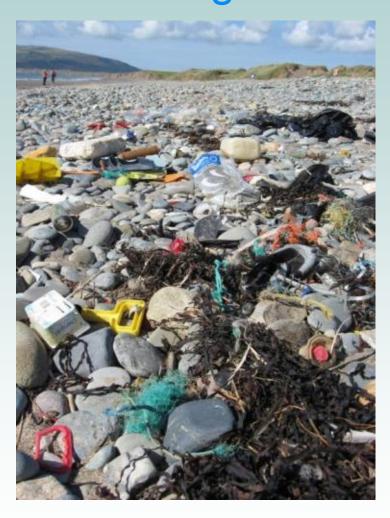
Plastic Particles in Fulmar Stomachs in the North Sea







Voluntary pilot project to harmonized monitoring



	2007	2017
No. Countries	4	12
No. Surveys	93	346
No. Beaches	32	109





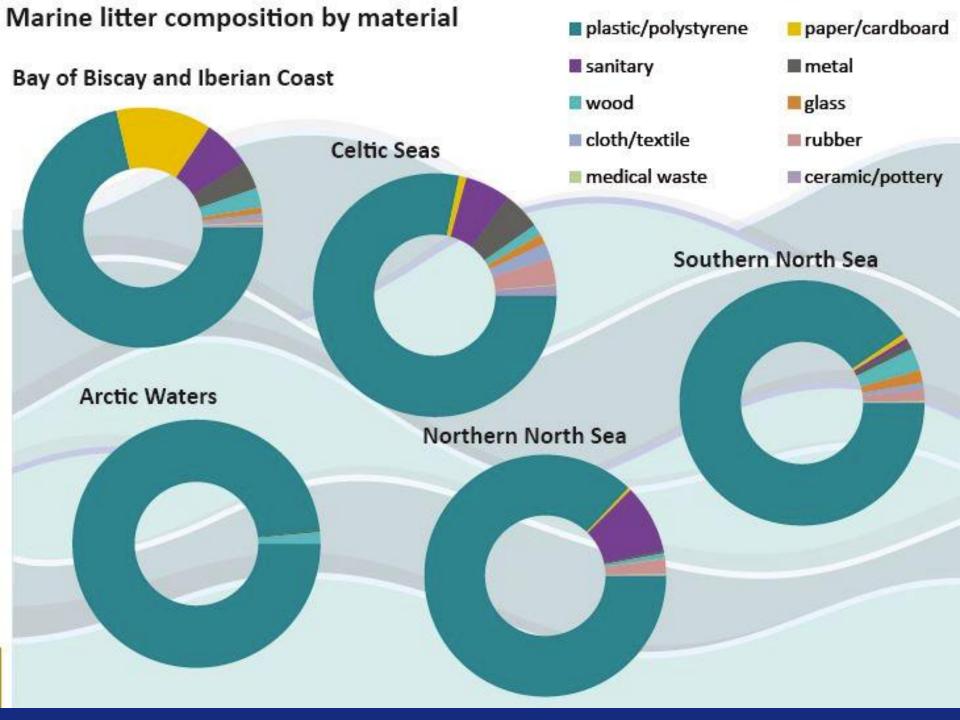
Beach Litter Monitoring Guidelines

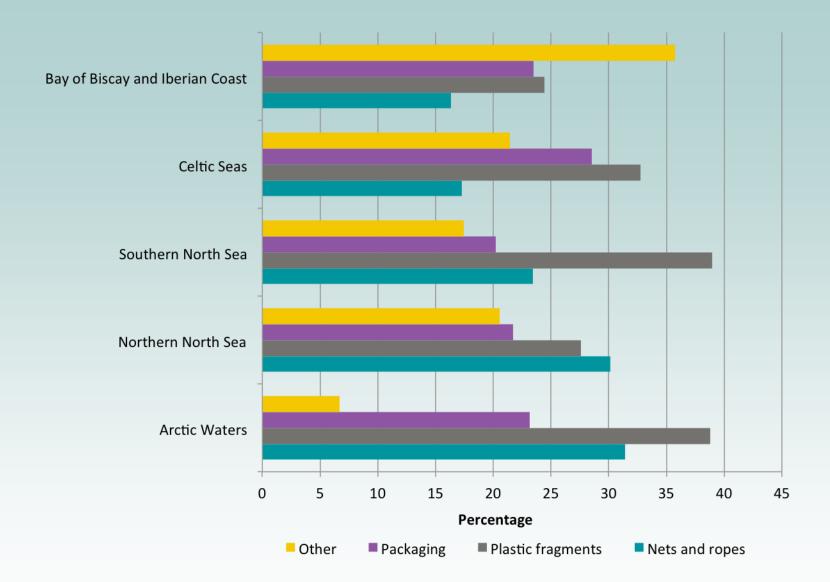
OSPAR ID	Unep ID	Items	Total				
Plastic • Polystyrene							
1		4/6-pack yokes					
2		Bags (e.g. shopping)					
3		Small plastic bags, e.g., freezer bags					
112		Plastic bag ends					
4		Drinks (bottles, containers and drums)					
5		Cleaner (bottles, containers and drums)					
6		Food containers incl. fast food containers					
7		Cosmetics (bottles & containers e.g. sun lotion, shampoo, shower gel, deodorant)					
8		Engine oil containers and drums <50 cm					
9		Engine oil containers and drums > 50 cm					





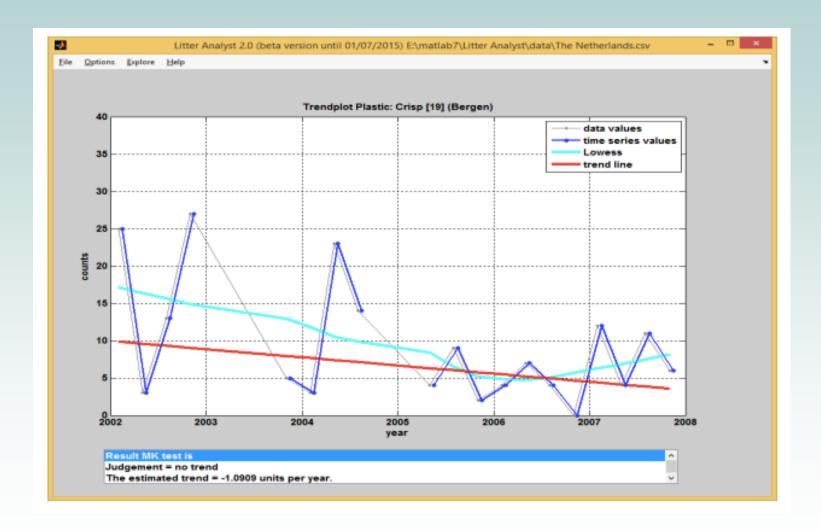








Litter Analyst





Trends in items can be linked to measures

Item name [OSPAR ID number]	Median number of items/100m of coast	Average number of items/100m of coast	St. dev.	CV	% of total number of litter items recorded	Trend [number/year]	p-value	Relative trend % increase or decrease per year
San: Cotton bud sticks [98] H	64.3	151.8	199.4	131.40%	20.90%	-17.8	0.034	-11.7
Nets and ropes [300] H	86	141.5	127	89.80%	19.50%	-11.3	0.112	-8.0
Plastic: Caps and lids [15] H	38.6	134.1	178.9	133.40%	18.50%	-8.6	0.081	-6.4
Plastic/polystyrene pieces < 50 cm [301] H	16	81.6	162.6	199.30%	11.20%	5	0.011	6.1
Paper: Cigarette butts [64]	25.4	43.2	51	118.20%	5.90%	-2.2	0.289	-5.1
Wood: Other items < 50 cm [74]	2.3	22.8	83.3	365.30%	3.10%	-0.5	0.129	-2.2
Plastic: Other items [48]	11.5	21.5	27.7	128.60%	3.00%	-0.6	0.82	-2.8
Plastic: Crisp/sweet packets and lolly sticks [19] H	10.1	15.1	14.6	96.60%	2.10%	-1.8	0.049	-11.9
Plastic: Oyster nets or mussel bags incl. plastic stoppers [28] H	6	11.3	12.9	114.40%	1.60%	0.2	0.94	1.8
Plastic: Drinks bottles and containers[4]	5.9	8.4	6.5	76.70%	1.20%	-1.6	0.045	-18.8
Plastic: Tangled nets/cord/rope and string [33] H	2.5	7.6	10.2	133.40%	1.10%	-0.4	0.12	-5.3
Plastic: Strapping bands [39]	4.3	6.9	6.5	94.90%	0.90%	-0.9	0.102	-13.3
Plastic: Lobsterpots [26] H	2.5	5.7	8	141.10%	0.80%	-1	0.017	-17.6
Plastic: Cutlery/trays/straws [22]	4.4	5.5	6.2	113.10%	0.80%	0	0.97	0.6
Metal: Industrial scrap [83]	0	5	21	422.20%	0.70%	0	0.011	0.0



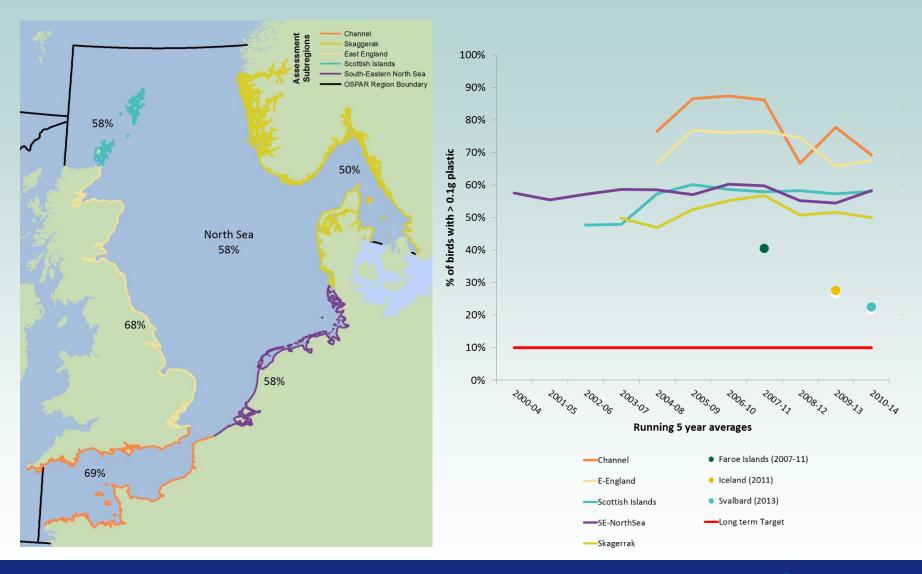
Plastic particles in fulmars stomachs

- 10% of northern Fulmars having more than 0.1 g plastic particles in the stomach
- Based on beached bird survey
- Greater North Sea only





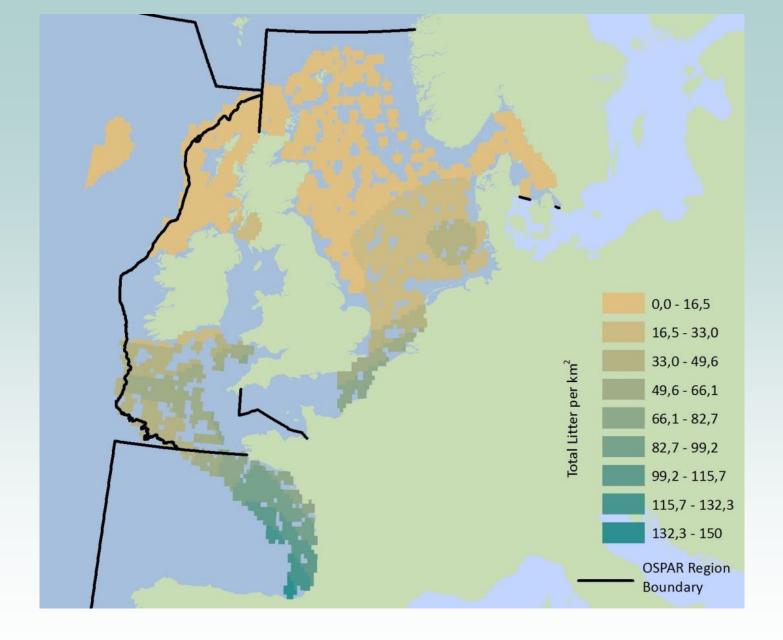
Plastic in fulmars stomachs













Policy Actions on Marine Litter

"develop appropriate programmes and measures to reduce amounts of litter in the marine environment and to stop litter entering the marine environment, both from seabased and land-based sources"

OSPAR Regional Action Plan on Marine Litter Adopted 2014

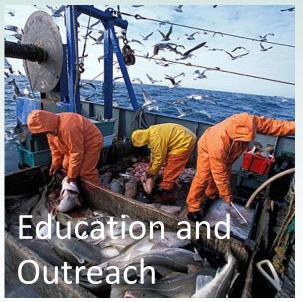














Key Action Areas

- Port Reception Facilities
- Waste from Fishing industry
- Fines for littering at sea
- Fishing for Litter
- Abandoned and lost Fishing gear
- Floating Litter hotspots
- Education and outreach

- Improved waste management
- Sewage/stormwater run-off
- Reduction of single use items
- Removal of micro plastics from products/zero pellet loss
- Redesign of harmful products



Actions Under Development



- Reduction of emissions of pre-production plastic Pellets
- Strategic approach to reduction of single use items
- Environmental Education for Fishermen
- Reduction of waste and ADLFG from fishing industry



Coordination with European RSCs and EU











Mediterranean Action Plan Barcelona Convention



OSPARCOMMISSION



Marine Litter Projects



- Propose and test plausible alternatives for EPS products
- Engage producer and designer communities
- Assess policy options



- Map good practices
- Improved marine litter monitoring
- Modeling of floating hotspots
- Tackling marine with stakeholders (e.g. fisheries)



Recommendations for Harmonised

Monitoring

- Start small and build up
- Engage NGO's and industry
- Chose sites that can be monitored long term
- Use existing tools
- Ensure your litter items are linked to measures







