



EUROPE'S MOVE TOWARDS PLASTIC-FREE OCEAN

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“The problem is the magnitude of synthetic materials that are used briefly, then thrown away for eternity, thereby permanently changing the nature of the world”. Sylvia A. Earle



How EU curbs marine litter

Prevention and mitigation



Four main axis





Directive on the reduction of the impact of certain plastic products on the environment (2/07/2019)

Revised Port Receptions Facilities directive (27/06/2019)

Building an engaged R&I community

H2020,
EU Life,
EU Interreg,
EU
EcoInnovation
etc.



Building an engaged R&I community

EMFF Blue economy call (projects: 1.1.2019 – 31.12.2020)



Behaviour change & awareness raising

EU4Ocean Platform

Network of European Blue Schools

Youth4Ocean Forum

EU4OCEAN COALITION

- EU beach clean up initiatives
- Data (Emodnet, Atlas of the seas)
- Plastic removal



Smurfing our blue planet: European Union and Smurfs team up to protect the ocean



17/04/2019

What do the European Union and the Smurfs have in common? Both are blue, and both care deeply about the health of our – blue – planet. And now they will partner to clean up

beaches across the world, and encourage people to take care of our ocean.

MARINE LITTER IN EMODnet

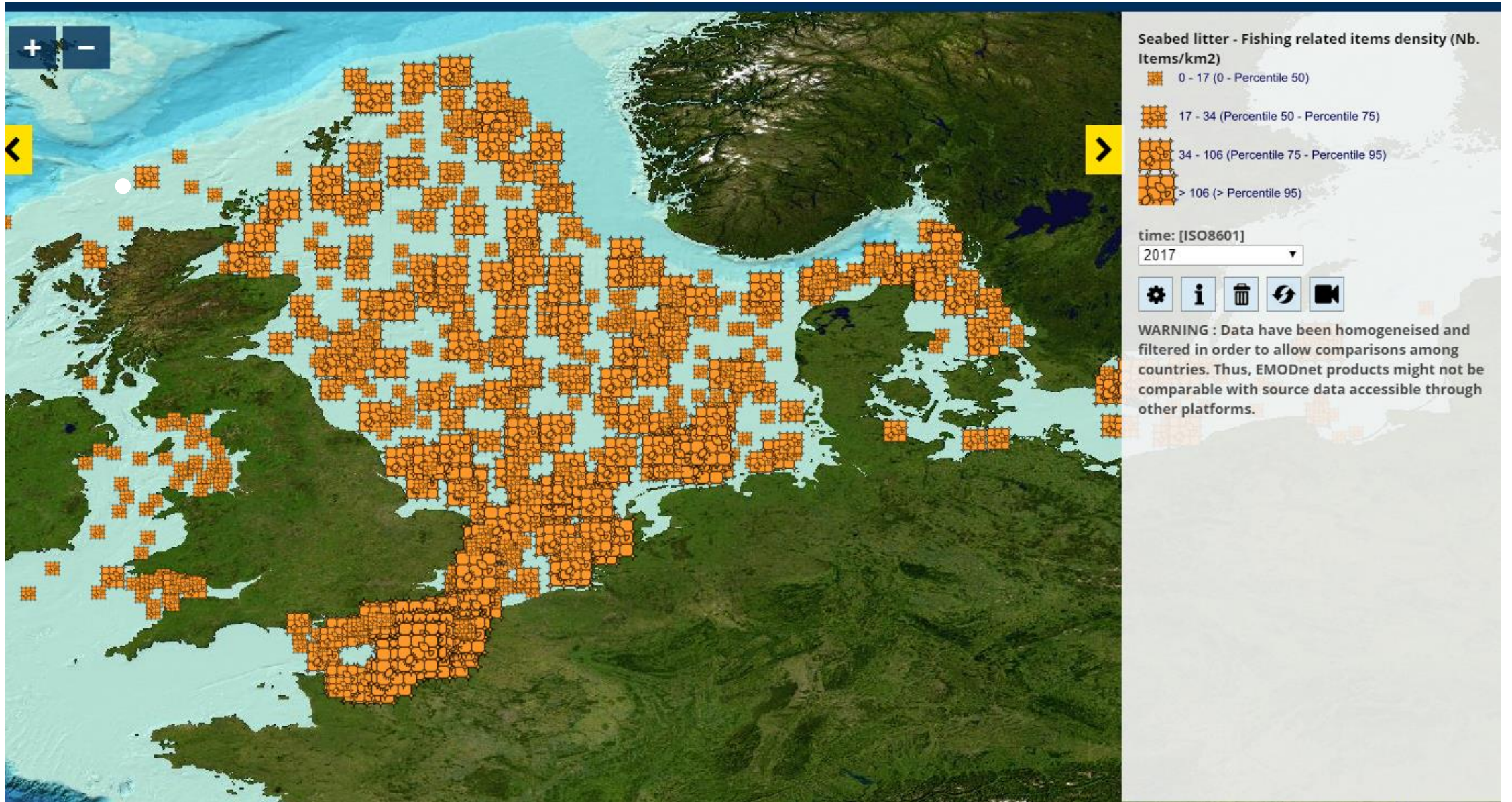
- EMODnet collects, aggregates, standardizes, quality checks data and develops new services to share information and products incl. display services/maps
- Expanded to marine litter in March 2017 EMODnet:
 - Beach litter (nets, bottles etc.)
 - Seabed litter (i.e. litter collected by fish trawl surveys)
 - Micro litter (microplastics)



EMODnet

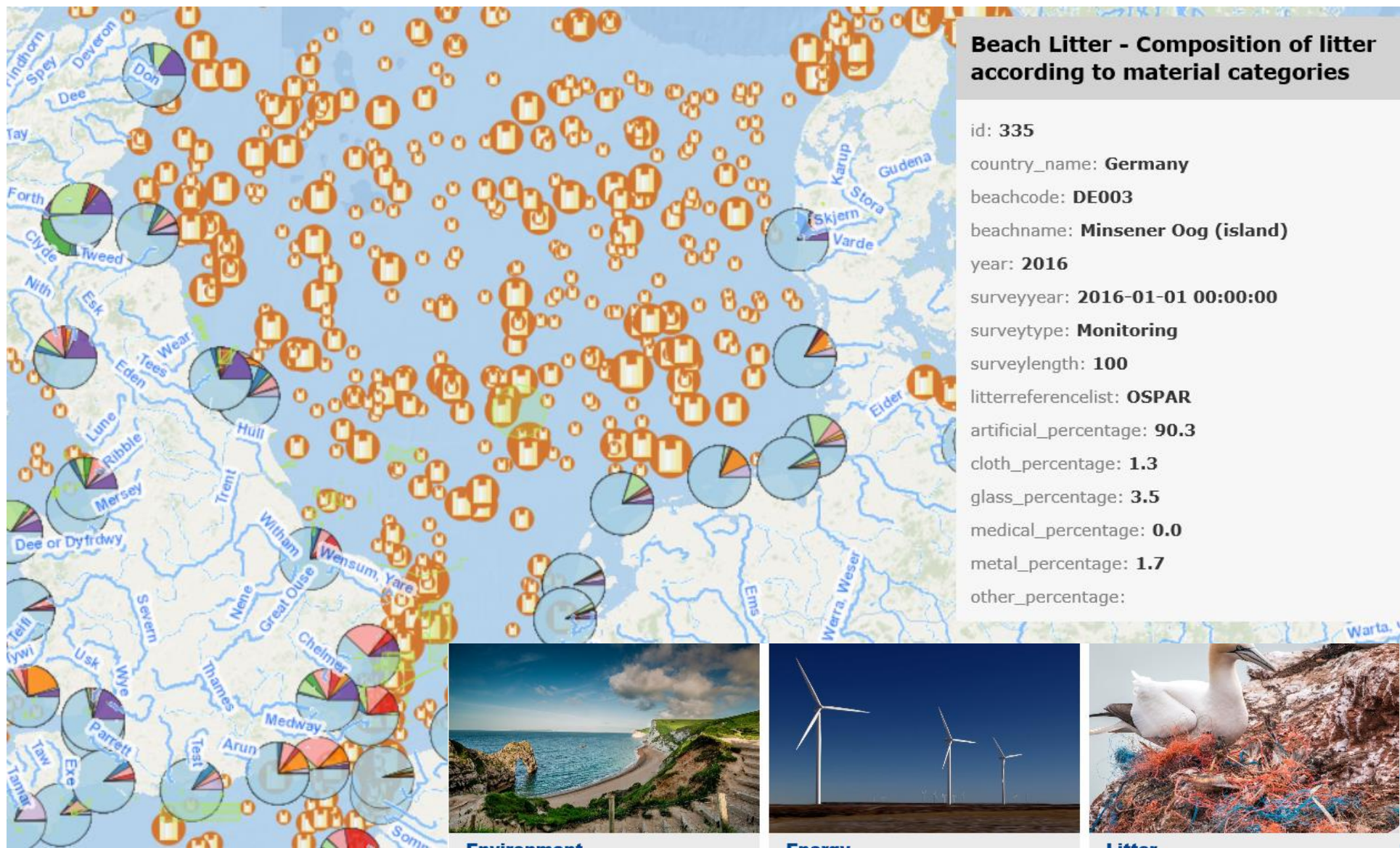


Seabed litter - Fishing related items density (Nb. Items/km²)



European Atlas of the Seas

European
Commission



Beach Litter - Composition of litter according to material categories

id: 335
country_name: **Germany**
beachcode: **DE003**
beachname: **Minsener Oog (island)**
year: **2016**
surveyyear: **2016-01-01 00:00:00**
surveytype: **Monitoring**
surveylength: **100**
litterreferencelist: **OSPAR**
artificial_percentage: **90.3**
cloth_percentage: **1.3**
glass_percentage: **3.5**
medical_percentage: **0.0**
metal_percentage: **1.7**
other_percentage:



Environment



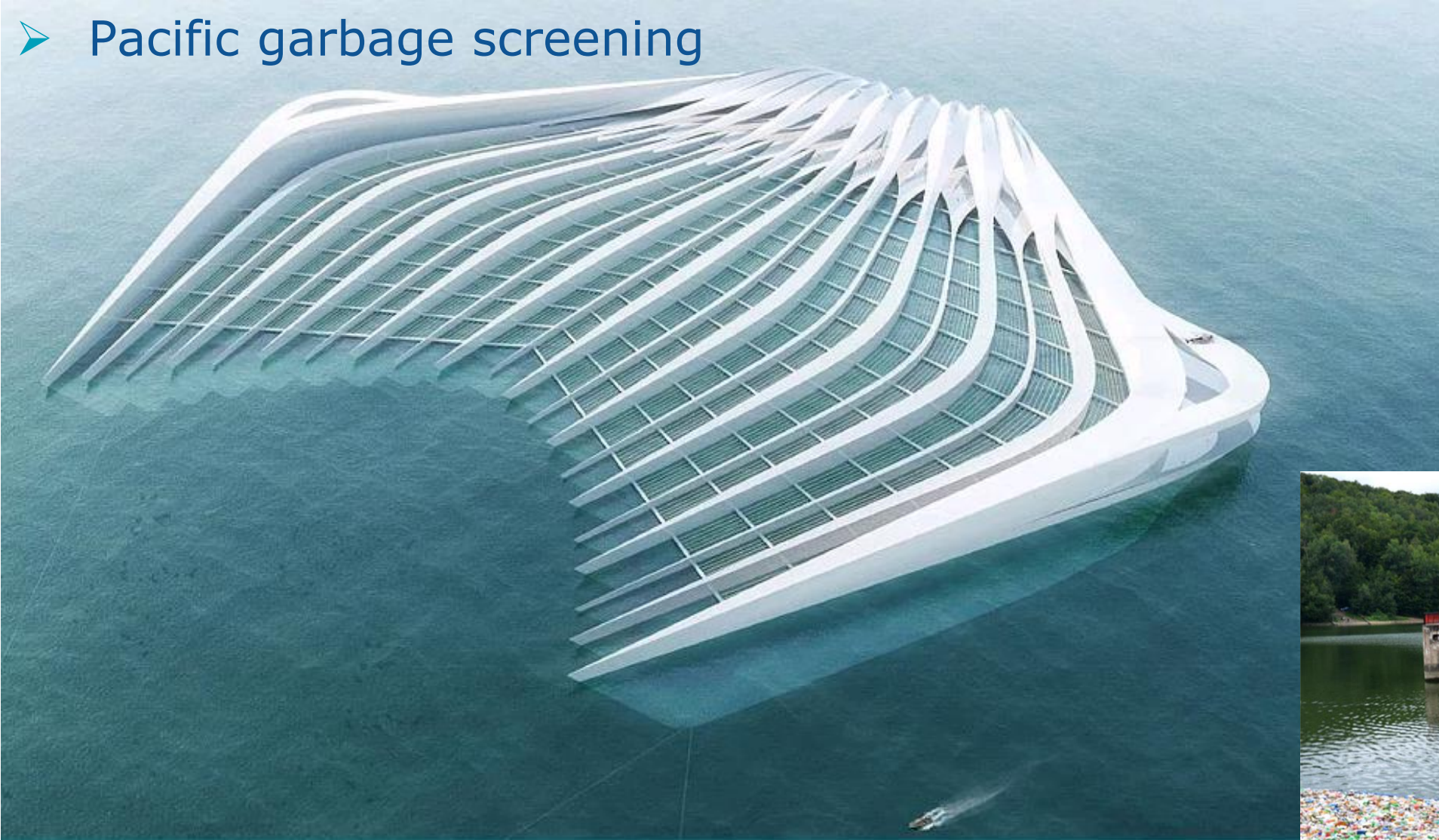
Energy



Litter

Plastic removal perspectives

➤ Pacific garbage screening



➤ Blue Barriers



Drones: Waste shark



➤ Passive collectors (Seabin)



***Fishing
for
litter***

Fishing for litter (from KIMO website, 2017 data)

Country	Nr of participating vessels	Nr of ports	Amount of litter brought ashore, tons
The Netherlands	124	12	2735
United Kingdom	380	31	1632
Ireland	90	12	190
Norway	66	9	307
Germany	150	15	15
Spain	152	11	34
Faroe Islands	4	1	0,3
Belgium	no data	2	no data
Total	966	93	4913

Plastic waste: an opportunity?



'The beginning of the end of waste' ***ADIDAS III loop approach***

Recycled Loop – Made from Recycled Materials: Supported by the introduction of **PRIMEBLUE** and **PRIMEGREEN** performance fabrics – 18 mio sold.

Circular Loop – Made to be Remade: Products whose lifecycles continue after each use, like the Futurecraft Loop running shoe - 2021 on market.

Bionic Loop – Made with Nature: adidas' ambition to create future where every adidas product can have multiple lives and then return to nature.



A large group of seabirds, likely terns, are seen in flight over a dark, choppy ocean. The birds are scattered across the upper two-thirds of the frame, with some in the foreground and others further away. In the bottom left corner, a large, rounded rock is visible, covered in green algae or moss. The overall scene is dynamic and naturalistic.

Thank You

5 Aug 2019