

Context

Since 1990, Surfrider Foundation Europe acts to protect the ocean. Every year, thousands of citizens, associations, companies and scientists take part in collecting data on aquatic waste, enabling us to better understand its origin and impact.

In 2024, Surfrider has carried out différents scientific and citizen science projects to analyse the quantity, type and distribution of litter on the beaches and rivers banks in Europe.



Ocean Initiatives project enable anyone to collect and quantify 30 types of waste.



Biocarriers, collects opportunistic data on the presence and type of biocarriers.



Ospar/MSFD protocol monitors 100-metre sites every season, with a detailed classification of 251 categories of beach and river banks litter.



Osparito, a version of the OSPAR/MSFD protocol for primary school children/leisure centres.



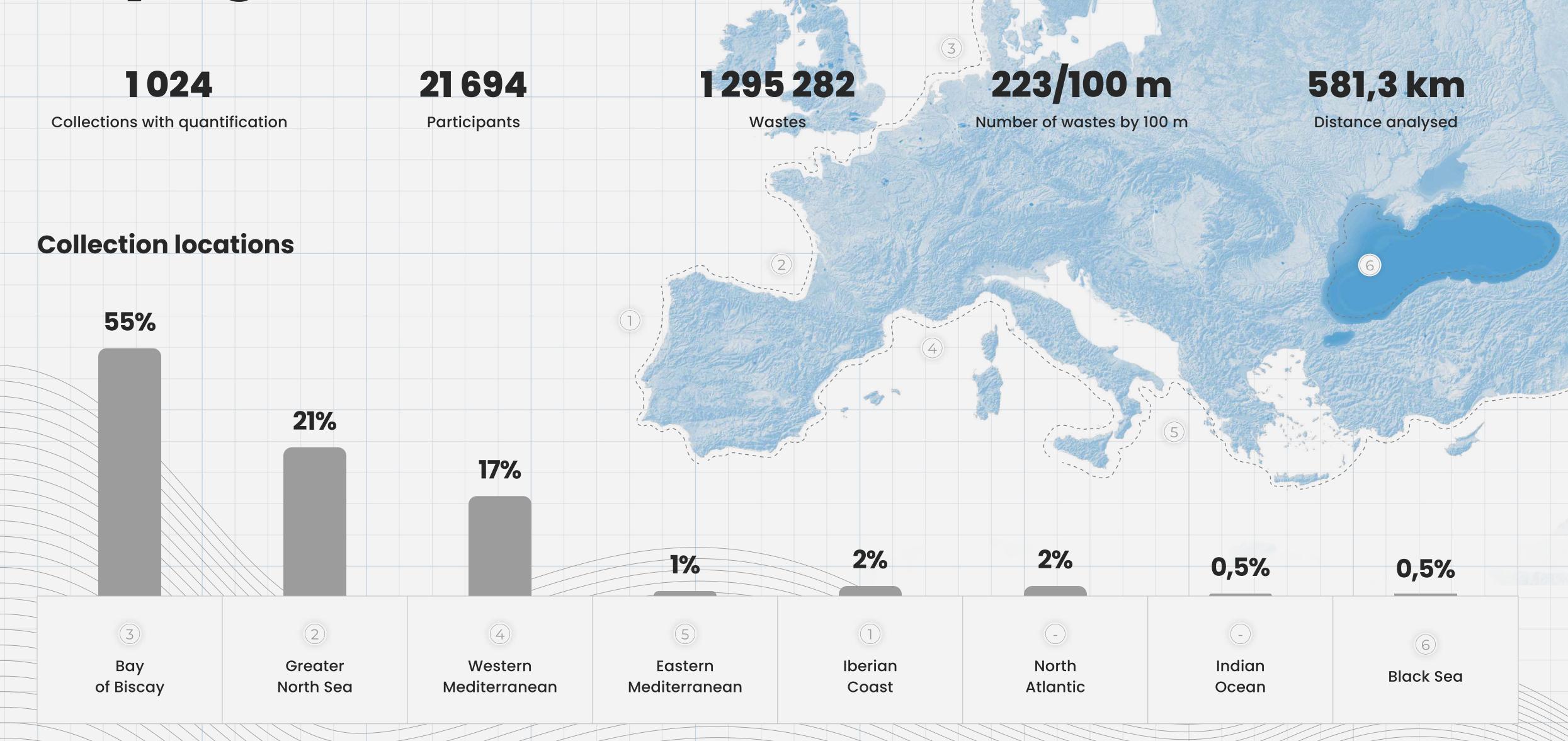
Plastic Origins, collects data on river banks.



All the data is used at different levels - local, national and European - to improve scientific knowledge of the subject. This information is also used for advocacy to influence European and national decision-makers and industrial, to act at the source of pollution and promote stricter environmental regulations.

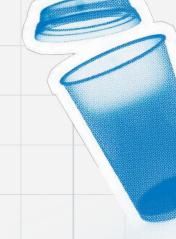
This report highlights the results of these actions and underlines the importance of collective engagement. **Everyone can contribute to preserving** the environment and the ocean.

Key figures



Types of Litter quantified

By Ocean Initiatives



Top 10



341088

Cigarette butts



31677

Metal caps



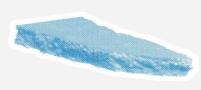
119 093

Plastic pieces 2.5-50 cm



30687

Pieces of glass



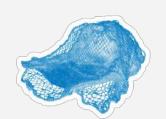
105 375

Polystyrene pieces 2.5-50 cm



28 052

Plastic bags & fragments



86722

FishingNets & tangled ropes



27628

Food containers



39950

Bottle caps



27 236

Sweet/snack wrappers

Cotton bud sticks	18 153	Tampon applicators	3 360
Shellfish farming waste	13 075	Straws	2 922
Cans	12 019	Fishing Lines / hooks bait boxes	2 202
Plastic bottles < 50cl	10 215	Lighters	1958
Plastic bottles >50cl	9 0 5 0	Toys	1809
Biocarriers	8 745	Other plastic bottles	1 4 4 7
Lollipop sticks	8 159	Plastic cutlery	1 375
Glass bottles	8 0 6 8	Stirrers	885
Pieces of metal	7 493	Shoes	846
Pieces of fabric	4 722	Balloons	779
Plastic cups	4 268	Single use masks	623
Wet wipes	4 108	Plastic plates	407
Hunting cartridges	3 838	Tyres	219
Medical packaging	3 633		

Ospar Beach/rivers & Osparito

In 2024, 18 sites across France and Spain were monitored as part of the scientific following up programme.

Criteria to be respected

- * 1 site = a 100m long area
- * 4 collections per year on the site
- * Quantification with a protocol of 251 categories

31020

Wastes quantified

Wastes / 100m in the areas studied



Single-use products & unidentifiable fragments

Single-use plastic

56%

of quantified litter

Coast

49%

of quantified litter

Inland

71%

of quantified litter

Plastic fragments

27,3%

of quantified litter

Coast

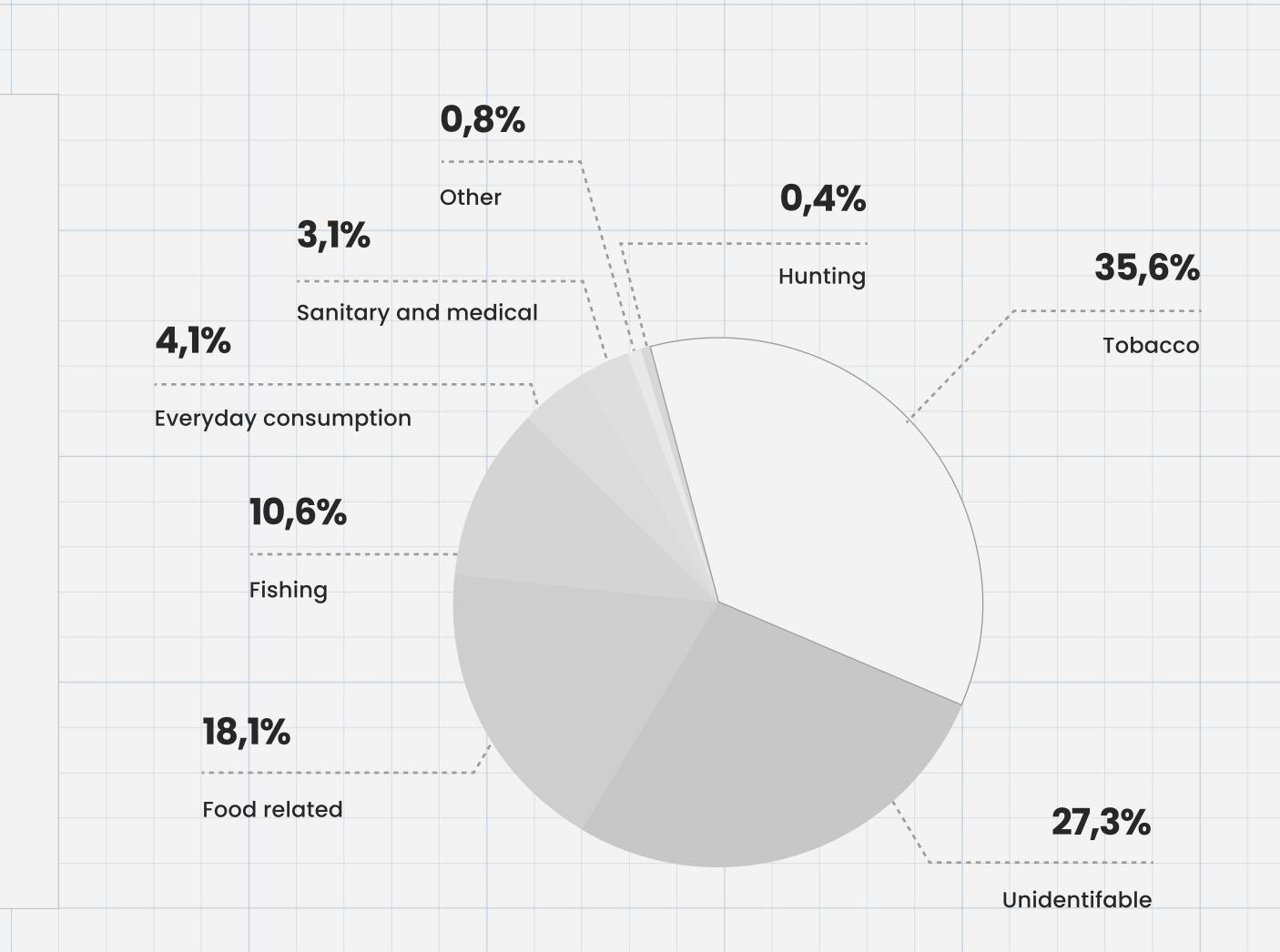
32,6%

of quantified litter

Inland

16,1%

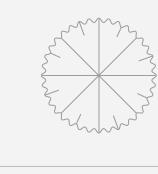
of quantified litter

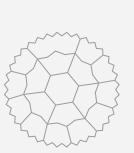


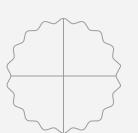
Biocarriers

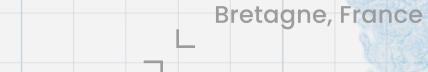
Biocarriers are bacterial supports used in some types of wastewater treatment plants. These small plastic cylinders, support the growth of microorganisms that settle, multiply, and break down suspended matter in the water.

During floods, intense storms, peak tourist periods generating large flows of water or when infrastructure malfunctions, biocarriers can end up being discharged into the environment.













Municipalities have had their beaches and rivers banks covered with biomedia

8 775

Biocarriers were found and quantified in 2024

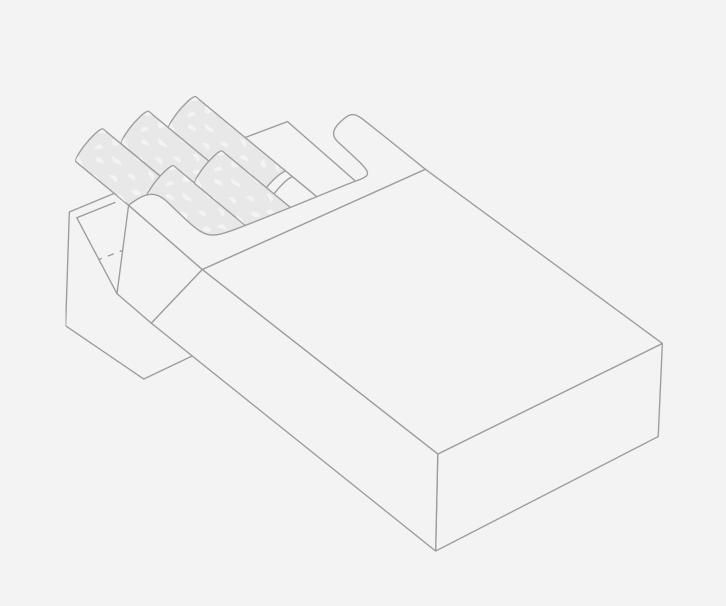


Do you find them on the beach or on the river bank?

Report their presence here.



Cigarette butt pullution



634127

Cigarette butts were quantified in 2024

1000 L

Of water can be polluted by a single cigarette butt

91,7%

Of collections reported finding cigarette butts

4000

Chemical substances can be contained in a cigarette butt

Pellets

They are the raw materials used by manufacturers to make plastic objects.

