

OSPAR Region Bay of Biscay and Iberian Coast

BEACH LITTER POLLUTION STATUS (2018-2020)

Analysis performed by Cedre (France) and validated by the OSPAR Beach Litter Expert Group

Data source: OSPAR beach litter monitoring (<https://beachlitter.ospar.org/>)

Reporting period: 2018-2020 (3 years)

Number of sites and surveys: 41 sites, 405 surveys

Calculation tools: LitterR package and Excel

Data format: OSPAR beach litter reference list, version 2010

Assessment method: CEMP Guidelines (<https://www.ospar.org/work-areas/cross-cutting-issues/cemp>); mesoplastic fragments (plastic fragments < 2.5 cm) are excluded



Litter abundance

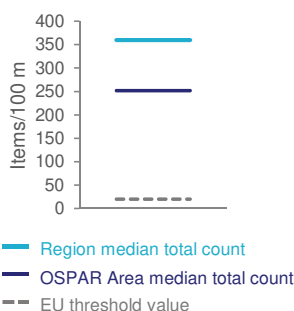
Abundance

197157 items collected

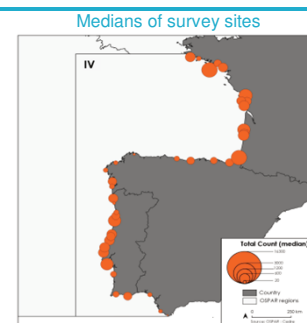
Median total count: 360 items/100 m

A reduction of the median total count is required to achieve EU threshold value of 20 litter items/100 m.

Position in OSPAR Area

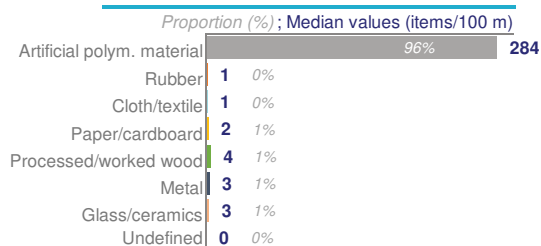


Spatial distribution

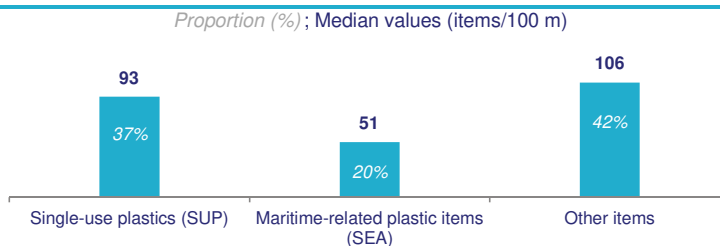


Litter composition

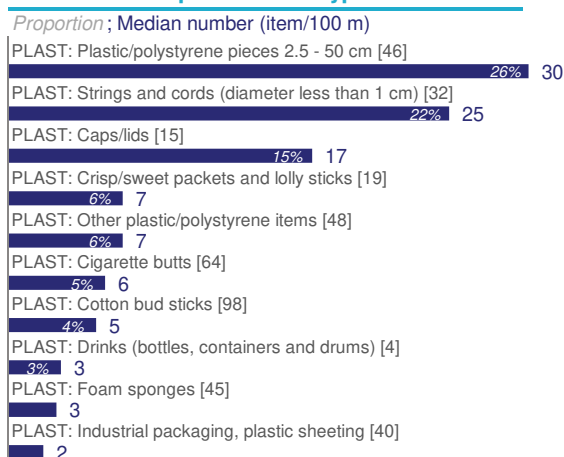
Material composition



Use categories



Top 10 of litter types

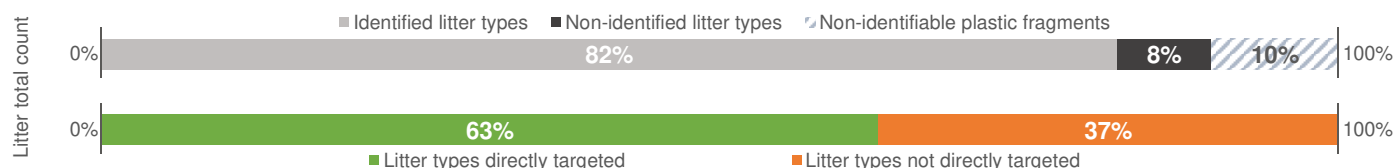


Litter types targeted by RAP measures

	Medians
Plastic bags 2604 items collected	1 item/100 m
Hunting cartridges 1683 items collected	1 item/100 m
Balloons incl. plastic valves, ribbons, strings etc. 293 items collected	0 item/100 m
Cotton bud sticks 10086 items collected	5 items/100 m
Cigarette filters 19099 items collected	6 items/100 m

Assessment of survey list adequacy and measures coverage

Types of surveyed items



Part of items targeted by measures
(ML RAP 2014-2020 and Directive EU 2019/904)

OSPAR Region Bay of Biscay and Iberian Coast

BEACH LITTER POLLUTION TRENDS (2015-2020)



Analysis performed by Cedre (France) for the OSPAR Beach Litter Expert Group

Data source: OSPAR beach litter monitoring (<https://beachlitter.ospar.org/>)

Reporting period: 2015-2020 (6 years)

Number of sites and surveys: 23 sites, 504 surveys

Calculation tools: Litter package of R and Excel

Data format: OSPAR beach litter reference list, version 2010

Assessment method: CEMP Guidelines (<https://www.ospar.org/work-areas/cross-cutting-issues/cemp>); mesoplastic fragments (plastic fragments < 2.5 cm) are excluded

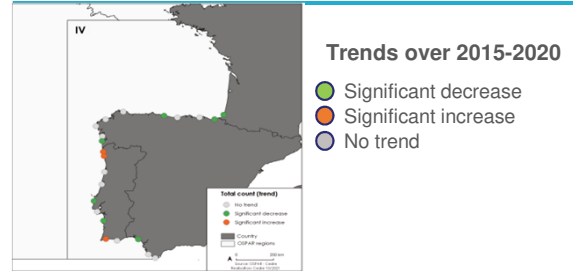


Trends in total count

Region level



Site level

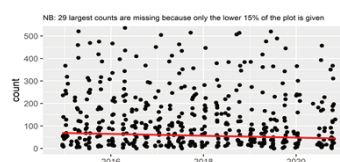


Trends for categories of interest

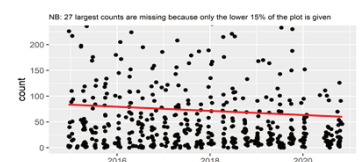
Artificial polymer materials (plastics)



Single-use plastics

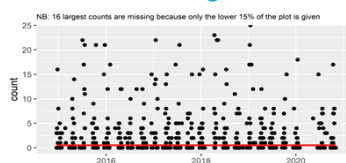


Maritime-related plastic items

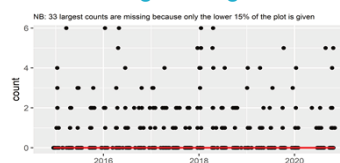


Trends for litter types targeted by RAP measures

Plastic bags



Hunting cartridges

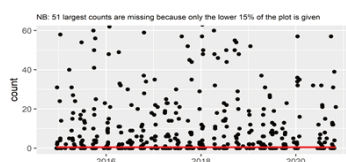


Balloons

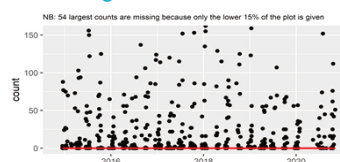
incl. plastic valves, ribbons, strings etc.



Cotton bud sticks



Cigarette filters



● Count of litter items per survey
— Theil-Sen trend line

Key message

Beach litter is abundant on survey sites in the OSPAR Region Bay of Biscay and Iberian Coast, with a median total count of 360 items/100 m.

Plastic material is predominant, representing 95% of the beach litter items recorded, with a median of 284 items/100 m.

SUP and SEA use categories appear to contribute to the pollution with medians of 93 items/100 m (37%) 51 items/100 m (20%) respectively.

Plastic / polystyrene pieces (30 items/100 m; 26%), strings and cords (25 items/100 m; 22%) and caps and lids (17 items/100 m; 15%) are abundant litter types.

At least 63% of the recorded items are directly targeted by OSPAR ML RAP 2014-2020 and the SUP Directive.

Only 8% of the litter items are not identified, indicating that the OSPAR survey list adequately covers the litter items recorded.

10% of the litter items are non-identifiable plastic fragments, which cannot be used for the identification of sources of pollution.