

# Report for the monitoring of progress against the NEAES Operational Objective S4.O3 (50% reduction in single-use and maritime-related plastic items on beaches by 2025)

## **Assessment of reductions in single-use plastic items and maritime-related plastic items on beaches at the end of 2023 compared to 2015-2016 baseline values**

Date: 06/03/2025

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Supported by: OSPAR Beach litter expert group, ICG-ML and OSPAR secretariat.

### **Key messages**

The OSPAR Beach litter expert group is asked to provide supporting analysis to enable the monitoring of progress against the operational objective S4.O3: *“By 2025 OSPAR will reduce by at least 50% the prevalence of the most commonly found single-use plastic items and of maritime-related plastic items on beaches in order to contribute to the achievement of relevant regional and EU threshold value building upon requirements for EU Member States in the EU Directive 2019/904 on the reduction of the impact of certain plastic products on the environment, and by at least 75% by 2030”*.

The present report provides an updated assessment of the progress towards the achievement of the NEAES operational objective S4.O3 at the end of 2023, compared to the 2016 baselines. It includes (i) a reminder of the methodology developed to perform the analysis, (ii) an assessment of the progress against the objective at the end of 2023, based on 2022-2023 data, compared to the 2015-2016 data used for the baseline calculation, for both single-use plastics (SUP) and maritime-related plastic items (SEA<sub>plastic</sub>), at the OSPAR Maritime Area and region levels. For information, results obtained from the previous assessment at the end of 2021, based on 2020-2021 data (André et al., 2023) are also presented. It also includes a proposal of new single indicator SUP+SEA<sub>plastic</sub> to assess the progress towards the objective achievement. It should be noted that following discussion at ICG-ML(1) 2024, efforts were made in this report to allow inclusion of data from Arctic survey sites with lower data availability in order to provide assessment in the Arctic Waters region. It should also be noted that data from Madeira archipelago survey sites is included in the present study in order to allow a more reliable assessment of the Wider Atlantic region.

Overall and as synthesised in the Table 1 below, for single-use plastics, results obtained show that at the end of 2023, reductions in SUP are observed in the OSPAR Maritime Area and in four OSPAR regions (Arctic Waters, Greater North Sea, Celtic Seas and Bay of Biscay and Iberian Coast), with two regions that have already achieved the 2025 objective if results remain stable (Celtic Seas and Bay of Biscay and Iberian Coast). However, one region (Wider Atlantic) stopped its progress and exhibits an increase compared to

baseline values (BV). The result obtained for the Wider Atlantic region could be explained by the recent inclusion of Madeira archipelago's survey sites that were not considered in previous analyses including in the baseline calculation.

For maritime-related plastic items, the OSPAR Maritime Area and four regions also show reductions towards the 2025 objective (Arctic Waters, Celtic Seas, Bay of Biscay and Iberian Coast and Wider Atlantic), including one region that has already achieved the objective if results remain stable (Arctic Waters). However, one region (Greater North Sea) is still not progressing as this region exhibits increasing trend and one region (Wider Atlantic) that achieved the objective in 2021, does not achieve it anymore. As explained above, the result obtained for the Wider Atlantic region could result from the recent inclusion of Madeira archipelago's survey sites that were not considered in previous analyses including in the baseline calculation.

Compared with results obtained at the end of 2021 detailed in the previous progress report (André et al., 2023), progress towards the objectives is rather similar. Improvements can even be observed for SUP items in Arctic Waters region and SEA<sub>plastic</sub> items in Celtic Seas region. On the other hand, deteriorations are observed in Wider Atlantic region for both SUP and SEA<sub>plastic</sub>. However, as said above, this could be explained by the recent inclusion of Madeira archipelago's survey sites.

**Table 1 Assessment of progress towards the NEAES S4.O3 2025 objective achievement (50% reduction in single-use and maritime-related plastic items on beaches by 2025) for the OSPAR Maritime Area and the five OSPAR regions at the end of 2023 (including results obtained at the end of 2021, André et al., 2023), compared to 2015-2016 baseline values (BV). The values of the trends are indicated in brackets.**

	NEAES S4.O3 2025 objective achievement (50% reduction compared to 2015-2016 BV)			
	Single-use plastics (SUP) abundance		Maritime-related plastic items (SEA <sub>plastic</sub> ) abundance	
	2020-2021	2022-2023	2020-2021	2022-2023
OSPAR Maritime Area	Decreasing (Reduction of 46.2% compared to BV)	Decreasing (Reduction of 41% compared to BV)	Decreasing (Reduction of 6.3% compared to BV)	Decreasing (Reduction of 43.8% compared to BV)
Arctic Waters (AW)	Increasing (Increase of 7.7% compared to BV)	Decreasing (Reduction of 38.5% compared to BV)	Objective achieved (Reduction of 60.4% compared to BV)	Objective achieved (Reduction of 70.8% compared to BV)
Greater North Sea (GNS)	Decreasing (Reduction of 10.3% compared to BV)	Decreasing (Reduction of 30.1% compared to BV)	Increasing (Increase of 96% compared to BV)	Increasing (Increase of 62% compared to BV)
Celtic Seas (CS)	Objective achieved (Reduction of 54.3% compared to BV)	Objective achieved (Reduction of 52.2% compared to BV)	Increasing (Increase of 46.9% compared to BV)	Decreasing (Reduction of 43.8% compared to BV)
Bay of Biscay and Iberian Coast (BBIC)	Objective achieved (Reduction of 66.9% compared to BV)	Objective achieved (Reduction of 64% compared to BV)	Decreasing (Reduction of 25% compared to BV)	Decreasing (Reduction of 40% compared to BV)
Wider Atlantic (WA)	Decreasing (Reduction of 12.5% compared to BV)	Increasing (Increase of 188% compared to BV)	Objective achieved (Reduction of 80% compared to BV)	Decreasing (Reduction of 20% compared to BV)

When considering the new single indicator summing single-use plastics and maritime related plastic items (SUP+SEA<sub>plastic</sub>), it appears that the results are in progress towards the objective with decreases observed for the OSPAR Maritime Area and four OSPAR regions, including Arctic Waters for which the objective is already achieved if results remain stable. But as observed when distinguishing the two categories, results are not progressing in Wider Atlantic at the end of 2023. But as observed when distinguishing the two categories, results are not progressing in Wider Atlantic at the end of 2023. As previously said, this result

could be explained by the recent inclusion of Madeira archipelago’s survey. The use of this SUP+SEA<sub>plastic</sub> indicator appears relevant because it allows the consideration of SUP and SEA<sub>plastic</sub> litter items in the same category, thus increasing the number of litter items taken into account, allowing a more robust assessment of the progress for regions with low level of pollution in either SUP or SEA<sub>plastic</sub>.

**Table 2 Assessment of progress towards the NEAES S4.O3 2025 objective achievement (50% reduction in single-use and maritime-related plastic items on beaches by 2025), considering a single indicator SUP + SEA<sub>plastic</sub> items, for the OSPAR Maritime Area and the five OSPAR regions at the end of 2023 (including results obtained at the end of 2021, André et al., 2023), compared to 2015-2016 baseline values (BV). The values of the trends are indicated in brackets.**

	<b>Progress towards NEAES S4.O3 2025 objective achievement (50% reduction compared to 2015-2016 BV)</b>	
	SUP+SEA <sub>plastic</sub> abundance	
	2020-2021	2022-2023
OSPAR Maritime Area	<i>Decreasing</i> <i>(Reduction of 16.3% compared to BV)</i>	<b>Decreasing</b> <i>(Reduction of 23.2% compared to BV)</i>
Arctic Waters (AW)	<b>Objective achieved</b> <i>(Reduction of 65.3% compared to BV)</i>	<b>Objective achieved</b> <i>(Reduction of 75.8% compared to BV)</i>
Greater North Sea (GNS)	<i>Decreasing</i> <i>(Reduction of 5.5% compared to BV)</i>	<b>Decreasing</b> <i>(Reduction of 23.2% compared to BV)</i>
Celtic Seas (CS)	<i>Decreasing</i> <i>(Reduction of 11.4% compared to BV)</i>	<b>Decreasing</b> <i>(Reduction of 14.6% compared to BV)</i>
Bay of Biscay and Iberian Coast (BBIC)	<i>Decreasing</i> <i>(Reduction of 26.5% compared to BV)</i>	<b>Decreasing</b> <i>(Reduction of 32.5% compared to BV)</i>
Wider Atlantic (WA)	<i>Decreasing</i> <i>(Reduction of 38.9% compared to BV)</i>	<b>Increasing</b> <i>(Increase of 36.1% compared to BV)</i>

Overall, the proposed assessment is based on simple and established calculation methods of beach litter level that have already been used (European Commission et al., 2024). Additional methodological developments could be made in 2025 for the evaluation of the stability of the results, in particular to confirm the achievement of the objectives.

## Introduction

Under its North-East Atlantic Environment Strategy (NEAES) 2020-2030, OSPAR has the Strategic Objective to “prevent inputs of and significantly reduce marine litter, including microplastics, to reach levels that do not cause adverse effects to the marine and coastal environment with the ultimate aim of eliminating inputs of litter” (Strategic Objective 4).

One of the indicators currently used at OSPAR level to assess marine litter pollution is the “abundance, composition and trends of marine litter washed ashore and/or deposited on coastlines, including analysis of its spatial distribution and, where possible, sources”, referred to as “beach litter”. The indicator, also used in the EU Marine Strategy Framework Directive (MSFD), reflects spatial differences and temporal changes in abundance, composition and sources of marine litter in the coastal environment and is used as a proxy for litter pollution in the OSPAR marine environment.

To fulfil its strategy, OSPAR has the operational objective “to reduce, by 2025, by at least 50% the prevalence of the most commonly found single-use plastic items and of maritime-related plastic items on beaches in order to contribute to the achievement of relevant regional and EU threshold values building upon requirements for EU Member States in the EU Single Use Plastics Directive (Directive 2019/904), and by at least 75% by 2030” (Operational Objective S4.O3). It is also been agreed that the reference year to use is 2016.

The 50% and 75% reduction targets adopted in the objective S4.O3 have been defined based on (i) a statistical method to forecast beach litter reductions achievable in the OSPAR area developed by Walvoort et al. (2021) and (ii) calculations performed by the OSPAR Beach Litter Expert Group (BLEG) of the Intersessional Correspondence Group on Marine Litter (ICG-ML), using OSPAR beach litter monitoring data.

The BLEG was asked to provide supporting analysis to enable regular monitoring progress against the NEAES operational objective S4.O3, compared to the 2016 baseline. A first assessment has been produced at the end of 2021 (André et al, 2023). The present report provides an updated assessment of the progress towards the achievement of the NEAES operational objective S4.O3 at the end of 2023, compared to the 2016 baselines. It includes (i) a reminder of the methodology developed to perform the analysis, (ii) an assessment of the progress against the objective at the end of 2023, based on 2022-2023 data, compared to the 2015-2016 data used for the baseline calculation, for both single-use plastics (SUP) and maritime-related plastic items (SEA<sub>plastic</sub>), at the OSPAR Maritime Area and region levels. For information, results obtained from the previous assessment at the end of 2021, based on 2020-2021 data (André et al., 2023) are also presented. It also includes a proposal of new single indicator SUP+SEA<sub>plastic</sub> to assess the progress towards the objective achievement. It should be noted that following discussion at ICG-ML(1) 2024, efforts were made in this report to allow inclusion of data from Arctic survey sites with lower data availability in order to provide assessment in the Arctic Waters region.

## Method

### Sites and surveys

The present report is based on data collected by the OSPAR Beach Litter Monitoring Programme. It involves survey sites that are located on the North-East Atlantic coasts of Denmark (including beaches in East Greenland and Faroe Islands), France, Germany, Ireland, the Netherlands, Norway, Portugal, Spain, Sweden

and the United Kingdom. The map showing the location of survey sites included in the OSPAR area is available online at the following link: <https://beachlitter.ospar.org/map>

The surveys are carried out according to OSPAR's Coordinated Environmental Monitoring Programme (CEMP) guidelines for marine monitoring and assessment of beach litter (OSPAR, 2020). Collected data are reported in the OSPAR Beach Litter Database.

A detailed list of sites and surveys used in the present report is presented in Annex 1. Survey sites used are selected according to defined criteria, based on data availability, described in following sections. However, it should be noted that in the present report, efforts were made to allow inclusion of data from Arctic survey sites with lower data availability in order to provide assessment in the Arctic Waters region.

It should also be noted that data from Madeira archipelago survey sites is included in the present study in order to allow a more reliable assessment of the Wider Atlantic region. This led to an increase in the number of survey sites for the Wider Atlantic region, with recently added survey sites that were not considered in previous analyses including in the baseline calculation.

## Litter sampling and classification

### Sampling and identification

According to the Beach litter CEMP guidelines, at each survey site, all litter items are recorded four times a year using the OSPAR beach litter monitoring protocol. However, due to various limitations, not all monitoring sites are surveyed as regularly as this. In addition, some sites can be added during the year to the monitoring programme and surveys on other sites can be discontinued.

In the first OSPAR beach litter monitoring guidelines (OSPAR, 2010), during each survey, the number of individual pieces of litter was recorded and allocated to one of the 112 predefined litter types, identified with a unique OSPAR identification number (ID), which are detailed in the OSPAR beach litter survey list, version 2010.010. The list of litter types and associated identification numbers have been updated in 2020 and contains now 128 litter types. This new reference list is available in the Beach litter CEMP guidelines (OSPAR, 2020). The two versions of the list of litter types are shown in Annex 2, with the correspondence in identification codes between the versions.

The new reference list being implemented from 2021, but not simultaneously on all the sites, survey data can be found in one or the other format (versions 2010.010 and CEMP 2020) in the OSPAR database over the 2022-2023 period. Therefore, as both formats can be found, the calculations are made using the 2010.010 format.

### Lists of single-use plastics (SUP) and maritime-related plastic (SEA<sub>plastic</sub>) items

The lists of litter types considered in the OSPAR SUP and SEA<sub>plastic</sub> categories are presented in Table 3. These lists are the same as the ones used in the OSPAR beach litter assessment conducted in the framework of the Quality Status Report 2023 (Lacroix et al., 2022) but they differ slightly from the ones used at EU level due to differences between the OSPAR survey list and the EU Joint-list (Fleet et al, 2021; European Commission, 2022). These differences are detailed below. It must be noted that following an ICG-ML request, BLEG has updated in 2024 the OSPAR survey list in order to align the EU and OSPAR SUP and FISH categories (and associated assessments). These updated categories will be used in future OSPAR assessments.

For the **SUP category**, there is only one difference between the OSPAR and the EU lists which is related to the different level of details between the 2 lists:

- Caps / lids (OSPAR ID 15) are included in the OSPAR SUP list but in the Joint-list, the “caps/lids” litter type is detailed in four separated categories of which only one is considered as SUP: the MSFD ID J21 “plastic caps/lids drink”.

For the **SEA<sub>plastic</sub> category**, the rationale adopted at OSPAR when creating the list is different from the one adopted at EU level. At OSPAR and based on the composition of beach litter pollution in the OSPAR area, it was decided to create a “maritime-related plastic items” (SEA<sub>plastic</sub>) category that does not include only fishing and aquaculture gears (as the EU FISH list does) but also additional items known to be related to maritime activities. Items which are included in the OSPAR SEA list but not in the FISH list are:

- Lobster and fish tags (OSPAR ID 114)
- Rope (diameter more than 1 cm) (OSPAR ID 31)
- String and cord (diameter < 1 cm) not from dolly ropes or unidentified (OSPAR ID 321)
- Float / buoys (OSPAR ID 37)

In the Joint-list, five litter types are included in the FISH category but that cannot be considered in the OSPAR SEA<sub>plastic</sub> list as they are not discriminated in the OSPAR list:

- J61 “other plastic fisheries related items not covered by other categories” (FISH) counted in OSPAR ID 48 “other plastic/polystyrene items”,
- J85 “plastic commercial salt packaging” (FISH) counted in OSPAR ID 48 “other plastic/polystyrene items”,
- J62 “plastic floats for fishing nets” (FISH) counted in OSPAR ID 37 that also includes non-FISH litter types J63 “plastic floats/buoys other source than fishing or not known” and J64 “plastic fenders”,
- J232 “plastic string and filaments exclusively from dolly ropes” and J233 “other plastic string and filament exclusively from fishery” counted in OSPAR ID 32 “string and cord (diameter less than 1 cm)” that also includes J242 “plastic string and cord (diameter less than 1 cm) not from dolly ropes or unidentified” (from 2022, at least J232 will have its own code: OSPAR ID 322 “string and filaments exclusively from dolly ropes”).

**Table 3 Lists of single-use plastics (SUP) and maritime-related plastic items (SEA<sub>plastic</sub>) considered in the present study and concordance with the EU SUP and FISH categories.**

OSPAR ID 2010.010	OSPAR ID CEMP 2020	Types	OSPAR SUP and SEA <sub>plastic</sub> categories	EU SUP and FISH categories
<b>SUP items</b>				
<b>Plastic</b>				
1	1	4/6-pack yokes	SUP	SUP
2	2	Bags (e.g. shopping)	SUP	SUP
3	3	Small plastic bags, e.g., freezer bags	SUP	SUP
112	112	Plastic bag ends	SUP	SUP
4	4	Drinks (bottles, containers and drums)	SUP	SUP
6	610	Food containers incl. fast food containers - plastic	SUP	SUP
6	620	Food containers incl. fast food containers - foamed polystyrene	SUP	SUP
15	15	Caps / lids	SUP	Only partially included
19	19	Crisp/sweet packets and lolly sticks	SUP	SUP
21	211	Cups – plastic	SUP	SUP
21	212	Cups - foamed polystyrene	SUP	SUP
22	22	Cutlery/trays/straws	SUP	SUP
64	64	Cigarette butts	SUP	SUP

<b>Rubber</b>				
49	49	Balloons, including plastic valves, ribbons, strings etc.	SUP	SUP
<b>Sanitary waste</b>				
98	981	Cotton bud sticks – plastic	SUP	SUP
99	99	Sanitary towels/panty liners/backing strips – plastic	SUP	SUP
100	100	Tampons and tampon applicators – plastic	SUP	SUP
102 <sup>a</sup>	1021	Wet wipes – plastic	SUP <sup>a</sup>	SUP
<b>SEA items</b>				
<b>Plastic</b>				
26	26	Crab/lobster pots	SEA <sub>plastic</sub>	FISH
114	114	Lobster and fish tags	SEA <sub>plastic</sub>	Not included
27	27	Octopus pots	SEA <sub>plastic</sub>	FISH
28	28	Oyster nets or mussel bags including plastic stoppers	SEA <sub>plastic</sub>	FISH
29	29	Oyster trays (round from oyster cultures)	SEA <sub>plastic</sub>	FISH
30	30	Plastic sheeting from mussel culture (Tahitians)	SEA <sub>plastic</sub>	FISH
31	31	Rope (diameter more than 1 cm)	SEA <sub>plastic</sub>	Not included
32	321	String and cord (diameter < 1 cm) not from dolly ropes or unidentified	SEA <sub>plastic</sub>	Only partially included
32	322	String and filaments exclusively from dolly ropes	SEA <sub>plastic</sub>	FISH
115	115	Nets and pieces of net < 50 cm	SEA <sub>plastic</sub>	FISH
116	116	Nets and pieces of net > 50 cm	SEA <sub>plastic</sub>	FISH
33	331	Tangled nets/cord/rope and string without dolly rope or mixed with dolly rope	SEA <sub>plastic</sub>	FISH
33	332	Tangled dolly rope	SEA <sub>plastic</sub>	FISH
34	341	Fish boxes – plastic	SEA <sub>plastic</sub>	FISH
34	342	Fish boxes - foamed polystyrene	SEA <sub>plastic</sub>	FISH
35	35	Fishing line (angling)	SEA <sub>plastic</sub>	FISH
36	36	Light sticks (tubes with fluid)	SEA <sub>plastic</sub>	FISH
37	37	Float / buoys	SEA	Only partially included
48	48	Other plastic/polystyrene items (J61 “other plastic fisheries related items not covered by other categories”)	Not included because these items are not discriminated in the OSPAR list	FISH
		Other plastic/polystyrene items (J85 “plastic commercial salt packaging”)		FISH

<sup>a</sup> litter types that could not be discriminated in the OSPAR list v2010.010 and thus not counted when working in this format.

## Calculation methods

### Calculation of 2015-2016 baselines

The baselines represent the initial status considered to determine the reductions. The operational objective S4.O3 states that reductions are determined using 2016 as a reference year. In order to be consistent with the MSFD beach litter baselines (Hanke et al., 2019), the SUP and SEA<sub>plastic</sub> baselines used in the present report, are calculated for the two-year period 2015-2016.

The spatial aggregation of litter data is also based on the MSFD beach litter baselines report (Hanke et al., 2019) and uses the country-subdivisions (e.g. Celtic Seas – United Kingdom) of the OSPAR regions as an intermediate step. The baselines of SUP or SEA<sub>plastic</sub> at OSPAR region level are obtained by calculating the

median of the medians of SUP or SEA<sub>plastic</sub> obtained for each country-subregion over the time period 2015-2016. The baseline of SUP or SEA<sub>plastic</sub> at OSPAR Maritime Area level is obtained by calculating the median of the SUP and SEA<sub>plastic</sub> medians obtained for each OSPAR region.

In addition, a site selection is applied in order to select only monitoring sites providing sufficient surveys. The determination of a minimum number of surveys per OSPAR/MSFD country-subregion needed to have 80% power in a reduction assessment, is derived from Schulz et al. (2019). To be selected, the monitoring sites must present at least six surveys over the two-year period, with at least three surveys per year. Monitoring sites and surveys used for baseline calculations are detailed in Annex 1.

Exception 1 for Arctic Waters: The monitoring conducted in the Arctic Waters region faced difficult environmental conditions, leading to fewer surveys than in other regions. In order to provide assessment for this region despite the lower number of surveys, no selection criteria were applied and all surveys were taken into account to calculate the 2015-2016 baseline for this region.

Exception 2 for Wider Atlantic: As monitoring started in 2016 in the Wider Atlantic region, none of the survey sites meets the selection criteria. In order to provide assessment for this region despite the lower number of surveys, no selection criteria were applied, and all surveys were taken into account to calculate the 2015-2016 baseline for this region.

### **Calculation of two-year status**

The current statuses of SUP or SEA<sub>plastic</sub> are assessed over the most recent two-year period (2022-2023). A two-year period is a good compromise between the robustness of a three-year period similar to what has been used to assess the beach litter status in the beach litter assessment of the OSPAR Beach Litter Quality Status Report 2023 (Lacroix et al., 2022) and the representativeness of the current status of a one-year period.

As done for the baselines, statuses are calculated for each of the five OSPAR regions by aggregating country-subregions medians. Statuses of SUP or SEA<sub>plastic</sub> at OSPAR region level are obtained by calculating the median of the medians of SUP or SEA<sub>plastic</sub> obtained for each country-subregion over the two-year time period. Finally, statuses of SUP and SEA<sub>plastic</sub> at the OSPAR Maritime Area level are obtained by calculating the median of the medians of SUP and SEA<sub>plastic</sub> obtained for each OSPAR region.

The same site selection as for baselines is applied, i.e. selecting only monitoring sites with at least six surveys over the two-year period, with at least three surveys per year. Monitoring sites and surveys used for statuses calculations are detailed in Annex 1.

Exception 1 for Arctic Waters: the monitoring conducted in the Arctic Waters region faced difficult environmental conditions, leading to fewer surveys than in other regions. In order to provide assessment for this region despite the lower number of surveys, no selection criteria were applied and all surveys were taken into account to calculate the 2022-2023 status for this region.

### **Calculation of two-year reduction percentages**

The reduction percentages for years 2022-2023, are calculated using the following formula:

$$\%X = \left( \frac{[X]_{2022-2023 \text{ Status}} - [X]_{2015-2016 \text{ Baseline}}}{[X]_{2022-2023 \text{ Baseline}}} \right) \times 100$$

X being the abundance in SUP or SEA items. Note that a negative percentage indicates a decrease whereas a positive percentage indicates an increase from the baseline to the status.

# Results

## Confidence assessment

The confidence was qualitatively assessed for both the data and methodologies using the approach adopted for the QSR 2023 (OSPAR, 2021).

In the present report, there is a high confidence in the methods of calculation of baselines, status and trends which have already been applied in other assessments (Hanke et al., 2019, European Commission et al., 2024).

The confidence in data availability depends on the number of sites and surveys available per OSPAR country-subregion. The Table 4 summarizes the number of monitoring sites available in the OSPAR/MSFD country-subregions and corresponding number of surveys. The table also presents the number of sites (and corresponding surveys) meeting the selection criteria explained therebefore. A low confidence means that no site meets the criteria in the OSPAR/MSFD-country-subregion, a moderate confidence means less than 4\* sites meet the criteria, a high confidence means 4 sites or more meet the selection criteria.

**Table 4 Confidence assessment for data availability per OSPAR country-subregion.**

Data available for calculation of 2022-2023 status					
OSPAR region	Country-subregion	N sites available (N surveys)		N sites meeting selection criteria (N surveys)	
Arctic Waters**	Denmark	8	10	NA	NA
Arctic Waters**	Iceland	8	30	NA	NA
Arctic Waters**	Norway	5	12	NA	NA
Greater North Sea	Belgium	0	0	0	0
Greater North Sea	Denmark	4	28	4	28
Greater North Sea	France	13	62	7	53
Greater North Sea	Germany	9	53	6	45
Greater North Sea	Netherlands	4	32	4	32
Greater North Sea	Norway	2	7	0	0
Greater North Sea	Sweden	6	36	6	36
Greater North Sea	United Kingdom	17	71	7	51
Celtic Seas	France	13	92	11	84
Celtic Seas	Ireland	5	40	5	40
Celtic Seas	United Kingdom	24	133	16	122
Bay of Biscay and Iberian Coast	France	29	200	23	182
Bay of Biscay and Iberian Coast	Portugal	16	119	15	117
Bay of Biscay and Iberian Coast	Spain	13	104	13	104
Wider Atlantic	Portugal	17	113	12	94

\*\*Exception is made for Arctic Water region for which all the sites and surveys are included, the number of sites meeting selection criteria is not assessed (NA). See Annex 1 for more details about sites and surveys available and meeting selection criteria.

\* 4 monitoring sites is the required number per country-subregion in order to obtain the minimum number of surveys (40) for the MSFD threshold value assessment (Van Loon et al., 2020).

Confidence in data availability:

- Low (no site selected; 0 survey)
- Moderate (less than 4 sites selected; 6 to 18 surveys)
- High (4 sites or more; 24 surveys or more)

For the period 2022-2023, the confidence in data availability is high for the OSPAR regions Greater North Sea, Celtic Seas, Bay of Biscay and Iberian Coast and Wider Atlantic as most of the country-subregions present high confidence levels. The OSPAR region Arctic Waters has a low confidence in data availability because of their low number of surveys available.

The Table 5 summarizes the confidence assessment for both the methodology and data availability.

**Table 5 Summary of the confidence assessment in method and data availability.**

<b>Confidence in the method</b>		
Baseline	High	
Status	High	
Percentages	High	
<b>Confidence in data availability</b>	<b>2015-2016</b>	<b>2022-2023</b>
Arctic Waters	Low	Low
Greater North Sea	Moderate	High
Celtic Seas	High	High
Bay of Biscay and Iberian Coast	High	high
Wider Atlantic	Low	high
OSPAR Maritime Area	High	high

Confidence in data availability:

- Low
- Moderate
- High

## Baselines in single-use plastics and maritime-related plastic items (2015-2016)

The baselines calculated over the two-year period 2015-2016 in the previous progress report are summarised in the Table 6.

**Table 6 Single-use plastic (SUP) and maritime-related plastic item (SEA<sub>plastic</sub>) 2015-2016 baselines (green shades indicate the level of confidence in data availability).**

OSPAR region		SUP baseline (litter items/100 m)	SEA <sub>plastic</sub> baseline (litter items/100 m)
Arctic Waters	22 surveys (16 sites)	13	48
Greater North Sea	151 surveys (21 sites)	39	25
Celtic Seas	95 surveys (12 sites)	46	32
Bay of Biscay and Iberian Coast	176 surveys (22 sites)	139	40
Wider Atlantic	24 surveys (6 sites)	8	5
OSPAR Maritime Area	468 surveys (77 sites)	39	32

Confidence in data availability:

- Low
- Moderate
- High

## Single-use plastic status and reduction percentages for 2022-2023

The SUP reduction percentages calculated for the two-year period 2022-2023 at the OSPAR Maritime Area level (using 2015-2016 as baseline years), is presented in the following Table 7. At the end of 2023, as well as obtained at the end of 2021, a progress toward the achievement of the 2025 50% reduction objective can be observed with a reduction in SUP items. However, the reduction observed at the end of 2023 is less than at the end of 2021.

**Table 7 Single-use plastic status and associated reduction percentage in the OSPAR Maritime Area at the end of 2021 and 2023 (green shades indicate the level of confidence in data availability).**

OSPAR MARITIME AREA (1040 surveys, 150 sites)		
Two-year period	SUP status (litter items/100 m)	SUP reduction percentage (%)
Baseline (2015-2016)	39	
2020-2021	21	-46.2%
2022-2023	23	-41.0%

Confidence in data availability:

- Low
- Moderate
- High

The SUP reduction percentages calculated for the two-year period 2022-2023 for each OSPAR region are presented in the following Table 8.

At the end of 2023 and compared to 2015-2016 used as baseline years, reductions are observed in the four OSPAR regions, except for Wider Atlantic. The result obtained for the Wider Atlantic region could be explained by a low baseline value with a low confidence in the data availability (8 litter items/100 m) and the recent inclusion of Madeira archipelago's survey sites that were not considered in previous analyses including in the baseline calculation. In terms of achievement of the objectives, if these results remain stable, the 2025 50% reduction objective appears already achieved at the end of 2023 for the two OSPAR regions Celtic Seas and Bay of Bay of Biscay and Iberian Coast.

In comparison with the results obtained in the previous progress report for the period 2020-2021, the reduction percentages have improved for the SUP category for the two regions Arctic Waters and Greater North Sea. Considering the other regions, results similar to the ones obtained at the end of 2021, except for the Wider Atlantic region that could be explained by the recent inclusion of Madeira archipelago's survey sites and a low baseline value. As a result, an increase of 15 litter items/100 m in the region leads to the important increase observed in 2022-2023.

**Table 8 Single-use plastic statuses and associated reduction percentages in the OSPAR regions at the end of 2021 and 2023 (green shades indicate the level of confidence in data availability).**

<b>ARCTIC WATERS (52 surveys, 21 sites)</b>		
<b>Two-year period</b>	<b>SUP status (litter items/100 m)</b>	<b>SUP reduction percentage (%)</b>
<i>Baseline (2015-2016)</i>	13	
2020-2021	14	+7.7%
2022-2023	8	-38.5%
<b>GREATER NORTH SEA (245 surveys, 34 sites)</b>		
<b>Two-year period</b>	<b>SUP status (litter items/100 m)</b>	<b>SUP reduction percentage (%)</b>
<i>Baseline (2015-2016)</i>	39	
2020-2021	35	-10.3%
2022-2023	28	-30.1%
<b>CELTIC SEAS (246 surveys, 32 sites)</b>		
<b>Two-year period</b>	<b>SUP status (litter items/100 m)</b>	<b>SUP reduction percentage (%)</b>
<i>Baseline (2015-2016)</i>	46	
2020-2021	21	-54.3%
2022-2023	22	-52.2%
<b>BAY OF BISCAY AND IBERIAN COAST (403 surveys, 51 sites)</b>		
<b>Two-year period</b>	<b>SUP status (litter items/100 m)</b>	<b>SUP reduction percentage (%)</b>
<i>Baseline (2015-2016)</i>	139	
2020-2021	46	-66.9%
2022-2023	50	-64.0%
<b>WIDER ATLANTIC (94 surveys, 12 sites)</b>		
<b>Two-year period</b>	<b>SUP status (litter items/100 m)</b>	<b>SUP reduction percentage (%)</b>
<i>Baseline (2015-2016)*</i>	8*	
2020-2021	7	-12.5%
2022-2023	23	+187.5%

Confidence in data availability:

- Low
- Moderate
- High

\*Please note that Wider Atlantic baseline calculation did not include Madeira archipelago data because the monitoring started in 2020 in this area.

## Maritime-related plastic status and reduction percentages for 2022-2023

The SEA<sub>plastic</sub> reduction percentages calculated for the two-year period 2022-2023 at the OSPAR Maritime Area is presented in the following Table 9. At the end of 2023, as well as observed at the end of 2021, a progress towards the 2025 50% reduction objective can be observed with a reduction in SEA<sub>plastic</sub> items, compared to 2025-2016 used as baseline years. In addition, the reduction observed at the end of 2023 is more important than the one observed at the end of 2021.

**Table 9 Maritime-related plastic items status and associated reduction percentage in the OSPAR Maritime Area at the end of 2021 and 2023 (green shades indicate the level of confidence in data availability).**

OSPAR MARITIME AREA (1040 surveys, 150 sites)		
Two-year period	SEA <sub>plastic</sub> status (litter items/100 m)	SEA <sub>plastic</sub> reduction percentage (%)
Baseline (2015-2016)	32	
2020-2021	30	-6.3%
2022-2023	18	-43.8%

Confidence in data availability:

- Low
- Moderate
- High

The SEA<sub>plastic</sub> reduction percentages calculated for the two-year periods for each OSPAR region are presented in the following Table 10.

At the end of 2023, reductions are observed in the OSPAR regions Arctic Waters, Celtic Seas, Bay of Biscay and Iberian Coast and Wider Atlantic. However, an increase is still reported in the Greater North Sea region (+62.0%), which nevertheless appears lower than the one calculated at the end of 2021, in this region highly impacted by maritime related plastic items (highest abundance).

In terms of achieving objectives adopted, if these results remain stable, the 2025 50% reduction objective appears already achieved at the end of 2023 only for the OSPAR region Arctic Waters. For the three regions Celtic Seas, Bay of Biscay and Iberian Coast and Wider Atlantic, reductions are observed without reaching the objective of 50% reduction. For the last region Greater North Sea there is no progress towards the objective achievement as the region exhibits an increasing trend.

In comparison with the results obtained in the previous progress report for the period 2020-2021, the reduction percentages have all improved for the SEA<sub>plastic</sub> category, except for the Wider Atlantic region. However, as with the SUP category, in this region, Madeira archipelago's survey sites were recently added and the baseline of the SEA<sub>plastic</sub> category is low (5 items/100 m). As a result, a difference of 3 litter items/100 m results in high variation in the reduction percentage.

**Table 10 Maritime-related plastic statuses and associated reduction percentages in the OSPAR regions at the end of 2021 and 2023 (green shades indicate the level of confidence in data availability).**

ARCTIC WATERS (52 surveys, 21 sites)		
Two-year period	SEA <sub>plastic</sub> status (litter items/100 m)	SEA <sub>plastic</sub> reduction percentage (%)
Baseline (2015-2016)	48	
2020-2021	19	-60.4%
2022-2023	14	-70.8%

  

GREATER NORTH SEA (245 surveys, 34 sites)		
Two-year period	SEA <sub>plastic</sub> status (litter items/100 m)	SEA <sub>plastic</sub> reduction percentage (%)
Baseline (2015-2016)	25	

2020-2021	49	+96.0%
2022-2023	41	+62.0%
CELTIC SEAS (246 surveys, 32 sites)		
Two-year period	SEA <sub>plastic</sub> status (litter items/100 m)	SEA <sub>plastic</sub> reduction percentage (%)
Baseline (2015-2016)	32	
2020-2021	47	+46.9%
2022-2023	18	-43.8%
BAY OF BISCAY AND IBERIAN COAST (403 surveys, 51 sites)		
Two-year period	SEA <sub>plastic</sub> status (litter items/100 m)	SEA <sub>plastic</sub> reduction percentage (%)
Baseline (2015-2016)	40	
2020-2021	30	-25.0%
2022-2023	24	-40.0%
WIDER ATLANTIC (94 surveys, 12 sites)		
Two-year period	SEA <sub>plastic</sub> status (litter items/100 m)	SEA <sub>plastic</sub> reduction percentage (%)
Baseline (2015-2016)	5	
2020-2021	1	-80.0%
2022-2023	4	-20.0%

Confidence in data availability:

- Low
- Moderate
- High

## New SUP+SEA<sub>plastic</sub> indicator status and reduction percentages for 2022-2023

As proposed following the publication of the previous report for the monitoring of progress against the NEAES Operational Objective S4.O3 (André et al., 2023), a single indicator, summing SUP and SEA<sub>plastic</sub> items, could be calculated to assess the progress towards the objective achievement. The SUP+SEA<sub>plastic</sub> indicator reduction percentage calculated at the OSPAR Maritime Area level for the two-year periods is presented in the following Table 11. At the end of 2023, as well as obtained at the end of 2021, a progress toward the 2025 50% reduction objective can be observed with a reduction of the single SUP+SEA<sub>plastic</sub> indicator. In addition, the status has decreased, leading to a higher reduction at the end of 2023 in comparison with the end of 2021.

**Table 11** Statuses of the indicator of SUP+SEA and associated reduction percentages in the OSPAR Maritime Area at the end of 2021 and 2023 (green shades indicate the level of confidence in data availability).

OSPAR MARITIME AREA (1040 surveys, 150 sites)		
Two-year period	SUP+SEA <sub>plastic</sub> status (litter items/100 m)	SUP+SEA <sub>plastic</sub> reduction percentage (%)
Baseline (2015-2016)	91	
2020-2021	76	-16.3%
2022-2023	70	-23.2%

Confidence in data availability:

- Low
- Moderate
- High

The SUP+SEA<sub>plastic</sub> indicator reduction percentages calculated for the two-year periods for each OSPAR region are presented in the following Table 12.

At the end of 2023, reductions are observed in the four OSPAR regions Arctic Waters, Greater North Sea, Celtic Seas and Bay of Biscay and Iberian Coast. An increase is reported in the Wider Atlantic region (+36.1%). This could be explained by the recent inclusion of Madeira archipelago's survey sites that were not considered in previous analyses including in the baseline calculation. Considering this SUP+SEA<sub>plastic</sub> indicator, at the end of 2023, only the Arctic Waters region has already achieved the 2025 objective of -50% reduction.

The use of this SUP+SEA<sub>plastic</sub> indicator appears relevant because it allows the consideration of SUP and SEA<sub>plastic</sub> litter items in the same category, thus increasing the number of litter items taken into account, allowing a more robust assessment of the progress for regions with low level of pollution in either SUP or SEA<sub>plastic</sub>.

**Table 12** Statuses of the indicator of SUP+SEA and associated reduction percentages at the end of 2021 and 2023 (green shades indicate the level of confidence in data availability).

ARCTIC WATERS (52 surveys, 21 sites)		
Two-year period	SUP+SEA status (litter items/100 m)	SEA reduction percentage (%)
Baseline (2015-2016)	95	
2020-2021	33	-65.3%
2022-2023	23	-75.8%
GREATER NORTH SEA (245 surveys, 34 sites)		
Two-year period	SUP+SEA status (litter items/100 m)	SEA reduction percentage (%)
Baseline (2015-2016)	91	
2020-2021	86	-5.5%
2022-2023	70	-23.2%
CELTIC SEAS (246 surveys, 32 sites)		
Two-year period	SUP+SEA status (litter items/100 m)	SEA reduction percentage (%)
Baseline (2015-2016)	86	
2020-2021	76	-11.4%
2022-2023	73	-14.6%
BAY OF BISCAY AND IBERIAN COAST (403 surveys, 51 sites)		
Two-year period	SUP+SEA status (litter items/100 m)	SEA reduction percentage (%)
Baseline (2015-2016)	193	
2020-2021	142	-26.5%
2022-2023	130	-32.5%
WIDER ATLANTIC (94 surveys, 12 sites)		
Two-year period	SUP+SEA status (litter items/100 m)	SEA reduction percentage (%)
Baseline (2015-2016)	18	
2020-2021	11	-38.9%
2022-2023	25	+36.1%

Confidence in data availability:

- Low
- Moderate
- High

## Conclusion

At the end of 2023, reductions in SUP items found on beaches are observed at the OSPAR Maritime Area level (-41.0%) and for all OSPAR regions, ranging between -30.1% and -64.0%. Wider Atlantic is an

exception where the level of SUP items has increased from a low abundance baseline of 8 litter items/100 m to a 2022-2023 status of 23 litter items/100 m. This result could be explained by the recent inclusion of Madeira archipelago's survey sites that were not considered in previous analyses including in the baseline calculation.

For SEA<sub>plastic</sub> items, reductions are also observed at the OSPAR Maritime Area level (-43.8%) and for four OSPAR regions: -70.8% for Arctic Waters, -43.8% for Celtic Seas, -40.0% for Bay of Biscay and Iberian Coast and -20.0% for Wider Atlantic. For Greater North Sea, an increase of +62.0% is obtained.

Overall and as synthesized in the Table 13 below, for single-use plastics, if results remain stable, the 2025 objective appears already achieved at the end of 2023 for the two OSPAR regions Celtic Seas and Bay of Biscay and Iberian Coast. For Arctic Waters and Greater North Sea, there is a progress towards the 2025 objective. For the region Wider Atlantic, there is no progress towards the objective achievement as this region exhibits an increasing trend. But as said above, this could be explained by the recent inclusion of Madeira archipelago's survey sites.

For maritime-related plastic items, if results remain stable, the 2025 objective appears already achieved at the end of 2023 only for the region Arctic Waters. For the three regions Celtic Seas, Bay of Biscay and Iberian Coast and Wider Atlantic, there is a progress towards the 2025 objective. Finally, for the last region Greater North Sea, there is no progress towards the objective achievement as the region exhibits an increasing trend.

**Table 13 Assessment of progress towards the NEAES S4.O3 2025 objective achievement (50% reduction in single-use and maritime-related plastic items on beaches by 2025) for the OSPAR Maritime Area and the five OSPAR regions at the end of 2023 (including results obtained at the end of 2021, André et al., 2023), compared to 2015-2016 baseline values (BV). The values of the trends are indicated in brackets.**

	NEAES S4.O3 2025 objective achievement (50% reduction compared to 2015-2016 BV)			
	Single-use plastics (SUP) abundance		Maritime-related plastic items (SEA <sub>plastic</sub> ) abundance	
	2020-2021	2022-2023	2020-2021	2022-2023
OSPAR Maritime Area	Decreasing (Reduction of 46.2% compared to BV)	Decreasing (Reduction of 41% compared to BV)	Decreasing (Reduction of 6.3% compared to BV)	Decreasing (Reduction of 43.8% compared to BV)
Arctic Waters (AW)	Increasing (Increase of 7.7% compared to BV)	Decreasing (Reduction of 38.5% compared to BV)	Objective achieved (Reduction of 60.4% compared to BV)	Objective achieved (Reduction of 70.8% compared to BV)
Greater North Sea (GNS)	Decreasing (Reduction of 10.3% compared to BV)	Decreasing (Reduction of 30.1% compared to BV)	Increasing (Increase of 96% compared to BV)	Increasing (Increase of 62% compared to BV)
Celtic Seas (CS)	Objective achieved (Reduction of 54.3% compared to BV)	Objective achieved (Reduction of 52.2% compared to BV)	Increasing (Increase of 46.9% compared to BV)	Decreasing (Reduction of 43.8% compared to BV)
Bay of Biscay and Iberian Coast (BBIC)	Objective achieved (Reduction of 66.9% compared to BV)	Objective achieved (Reduction of 64% compared to BV)	Decreasing (Reduction of 25% compared to BV)	Decreasing (Reduction of 40% compared to BV)
Wider Atlantic (WA)	Decreasing (Reduction of 12.5% compared to BV)	Increasing (Increase of 188% compared to BV)	Objective achieved (Reduction of 80% compared to BV)	Decreasing (Reduction of 20% compared to BV)

When considering a single indicator summing up single-use plastics and maritime-related plastic items, as presented in the Table 14, it appears that the results are in progress towards the objective at the OSPAR Maritime Area level and for four out of the five OSPAR regions, including Arctic Waters for which the

objective is already achieved if results remain stable. But as observed when distinguishing the two categories, results are not progressing in Wider Atlantic at the end of 2023. Again, this could be explained by the recent inclusion of Madeira archipelago's survey sites.

The use of this SUP+SEA<sub>plastic</sub> indicator appears relevant because it allows the consideration of SUP and SEA<sub>plastic</sub> litter items in the same category, thus increasing the number of litter items taken into account, allowing a more robust assessment of the progress for regions with low level of pollution in either SUP or SEA<sub>plastic</sub>.

**Table 14: Assessment of progress towards the NEAES S4.O3 2025 objective achievement (50% reduction in single-use and maritime-related plastic items on beaches by 2025), considering a single indicator SUP + SEA<sub>plastic</sub> items, for the OSPAR Maritime Area and the five OSPAR regions at the end of 2023 (including results obtained at the end of 2021, André et al., 2023), compared to 2015-2016 baseline values (BV). The values of the trends are indicated in brackets.**

	Progress towards NEAES S4.O3 2025 objective achievement (50% reduction compared to 2015-2016 BV)	
	SUP+SEA <sub>plastic</sub> abundance	
	2020-2021	2022-2023
OSPAR Maritime Area	Decreasing (Reduction of 16.3% compared to BV)	Decreasing (Reduction of 23.2% compared to BV)
Arctic Waters (AW)	Objective achieved (Reduction of 65.3% compared to BV)	Objective achieved (Reduction of 75.8% compared to BV)
Greater North Sea (GNS)	Decreasing (Reduction of 5.5% compared to BV)	Decreasing (Reduction of 23.2% compared to BV)
Celtic Seas (CS)	Decreasing (Reduction of 11.4% compared to BV)	Decreasing (Reduction of 14.6% compared to BV)
Bay of Biscay and Iberian Coast (BBIC)	Decreasing (Reduction of 26.5% compared to BV)	Decreasing (Reduction of 32.5% compared to BV)
Wider Atlantic (WA)	Decreasing (Reduction of 38.9% compared to BV)	Increasing (Increase of 36.1% compared to BV)

Overall, the proposed assessment is based on simple and established calculation methods of beach litter level that have already been used (European Commission et al., 2024). Possible methodological developments could be made in 2025 for the evaluation of the stability of the results through consecutive two-year periods, in particular to confirm the achievement of the objectives.

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## Annex 1: List of OSPAR survey sites with the number of surveys available on the studied periods and inclusion status in the present assessment

Ref. number	OSPAR region	Country	Site name	Number of surveys available					Inclusion in baseline calculation (Yes/No)	Inclusion in status calculation (Yes/No)
				2015	2016	...	2022	2023		
BE001	Greater North Sea	Belgium	Oostende	4	4		0	0	Yes	No
BE003	Greater North Sea	Belgium	Raversijde	4	3		0	0	Yes	No
DE001	Greater North Sea	Germany	Sylt (island)	4	3		4	4	Yes	Yes
DE002	Greater North Sea	Germany	Scharhörn (island)	3	3		3	3	Yes	Yes
DE003	Greater North Sea	Germany	Minsener Oog (island)	4	4		4	4	Yes	Yes
DE005	Greater North Sea	Germany	Juist	4	4		4	2	Yes	No
DE006	Greater North Sea	Germany	Sylt Hörnum North	0	0		4	4	No	Yes
DE007	Greater North Sea	Germany	Mellum West	0	0		4	4	No	Yes
DE008	Greater North Sea	Germany	Juist Wilhelmshöhe	0	0		4	3	No	Yes
DE009	Greater North Sea	Germany	Sylt Rantum	0	0		2	0	No	No
DE010	Greater North Sea	Germany	Sylt Klappholtal	0	0		0	0	No	No
GRL001	Arctic Waters	Denmark	Dagmar Island North St1	0	1		0	0	Yes*	No
GRL002	Arctic Waters	Denmark	Henryland - East Greenland	0	1		0	0	Yes*	No
GRL003	Arctic Waters	Denmark	Sand Island, Young Sund	0	1		1	1	Yes*	Yes*
GRL004	Arctic Waters	Denmark	Kap Mary, Young Sund	0	1		0	0	Yes*	No
GRL005	Arctic Waters	Denmark	Clavering Island, Young Sund	0	1		0	0	Yes*	No
GRL006	Arctic Waters	Denmark	Stroem Island	0	1		0	0	Yes*	No
GRL007	Arctic Waters	Denmark	Moraene Island, Taasiilaq	0	1		0	0	Yes*	No
GRL018	Arctic Waters	Denmark	Kulusuk st1	0	0		1	1	No	Yes*
GRL019	Arctic Waters	Denmark	Kulusuk st2	0	0		1	1	No	Yes*
GRL020	Arctic Waters	Denmark	Kulusuk st3	0	0		0	1	No	Yes*
GRL021	Arctic Waters	Denmark	Kulusuk st4	0	0		0	1	No	Yes*
GRL022	Arctic Waters	Denmark	Kap Berghaus - Young Sund	0	0		1	1	No	Yes*
DK001	Greater North Sea	Denmark	MSFD Nymindégab Strand	3	3		3	4	Yes	Yes
DK004	Greater North Sea	Denmark	MSFD Skagen Skagen Strand	3	3		3	4	Yes	Yes
DK006	Greater North Sea	Denmark	MSFD Limfjorden	0	0		3	4	No	Yes
DK007	Greater North Sea	Denmark	Risoe-Roskilde	3	4		4	3	Yes	Yes
ES001	Bay of Biscay and Iberian Coast	Spain	A Lanzada	4	4		4	4	Yes	Yes

Ref. number	OSPAR region	Country	Site name	Number of surveys available				Inclusion in baseline	Inclusion in status
ES002	Bay of Biscay and Iberian Coast	Spain	Baldaio	4	4	4	4	Yes	Yes
ES003	Bay of Biscay and Iberian Coast	Spain	Valdevaqueros beach	4	4	4	4	Yes	Yes
ES004	Bay of Biscay and Iberian Coast	Spain	O Rostro	4	4	4	4	Yes	Yes
ES005	Bay of Biscay and Iberian Coast	Spain	La Vega	4	4	4	4	Yes	Yes
ES007	Bay of Biscay and Iberian Coast	Spain	Agiti	4	4	4	4	Yes	Yes
ES008	Bay of Biscay and Iberian Coast	Spain	Menacoz	4	4	4	4	Yes	Yes
ES010	Bay of Biscay and Iberian Coast	Spain	Covas	4	4	4	4	Yes	Yes
ES011	Bay of Biscay and Iberian Coast	Spain	Castilla	4	4	4	4	Yes	Yes
ES012	Bay of Biscay and Iberian Coast	Spain	Castilnovo	4	4	4	4	Yes	Yes
ES013	Bay of Biscay and Iberian Coast	Spain	Oyambre	4	4	4	4	Yes	Yes
ES014	Bay of Biscay and Iberian Coast	Spain	Rodas	4	4	4	4	Yes	Yes
ES015	Bay of Biscay and Iberian Coast	Spain	Frejulfe	0	0	4	4	No	Yes
FR004	Greater North Sea	France	Les Basses Falaises	0	0	4	4	No	Yes
FR005	Greater North Sea	France	Dieppe	4	4	0	0	Yes	No
FR015	Greater North Sea	France	Le Mont St Frioux	0	2	0	1	No	No
FR016	Greater North Sea	France	Les Boucaniers	0	3	0	0	No	No
FR021	Greater North Sea	France	Les Dunes	0	1	0	0	No	No
FR022	Greater North Sea	France	L'Hôpital	0	0	4	4	No	Yes
FR024	Greater North Sea	France	Les Escardines	0	0	3	4	No	Yes
FR025	Greater North Sea	France	Glatigny	0	0	4	4	No	Yes
FR048	Greater North Sea	France	Le Pré au Cure	0	0	4	4	No	Yes
FR057	Greater North Sea	France	Les Fauvettes	0	0	2	4	No	No
FR058	Greater North Sea	France	La Maison des Douaniers	0	0	3	4	No	Yes
FR059	Greater North Sea	France	La Flèche de Blainville	0	0	3	4	No	Yes
FR006	Celtic Seas	France	Kourrijou	4	4	3	4	Yes	Ye
FR007	Celtic Seas	France	Koubou	4	4	4	4	Yes	Yes
FR008	Celtic Seas	France	Kerizella	4	4	4	4	Yes	Yes
FR009	Celtic Seas	France	Blancs Sablons	3	1	0	0	No	No
FR010	Celtic Seas	France	Porsmilin	2	2	0	0	No	No
FR011	Celtic Seas	France	Larmor	4	4	4	0	Yes	No
FR012	Celtic Seas	France	Trielen	4	4	4	4	Yes	Yes
FR019	Celtic Seas	France	La Grandville	0	2	4	4	No	Yes
FR020	Celtic Seas	France	La Grève des Courses	0	2	4	4	No	Yes
FR026	Celtic Seas	France	Stallio Bras	0	0	4	4	No	Yes
FR027	Celtic Seas	France	Le Cosmeur	0	0	4	4	No	Yes

Ref. number	OSPAR region	Country	Site name	Number of surveys available		Inclusion in baseline	Inclusion in status		
FR028	Celtic Seas	France	Deolen	0	0	4	4	No	Yes
FR029	Celtic Seas	France	Le Vern	0	0	4	0	No	No
FR049	Celtic Seas	France	Île Tomé	0	0	3	3	No	Yes
FR060	Celtic Seas	France	L'Île aux Moines	0	0	3	4	No	Yes
FR002	Bay of Biscay and Iberian Coast	France	Le Stang	0	0	4	4	No	Yes
FR017	Bay of Biscay and Iberian Coast	France	La Barre	4	4	0	0	Yes	No
FR023	Bay of Biscay and Iberian Coast	France	Donnant	0	0	4	4	No	Yes
FR030	Bay of Biscay and Iberian Coast	France	La Grève Blanche	0	0	2	3	No	No
FR031	Bay of Biscay and Iberian Coast	France	Pen Loc'h	0	0	4	4	No	Yes
FR032	Bay of Biscay and Iberian Coast	France	Boëd	0	0	4	4	No	Yes
FR033	Bay of Biscay and Iberian Coast	France	La Marche aux Bœufs	0	0	4	4	No	Yes
FR034	Bay of Biscay and Iberian Coast	France	Les Sabias	0	0	4	4	No	Yes
FR035	Bay of Biscay and Iberian Coast	France	Les Selliers	0	0	4	4	No	Yes
FR036	Bay of Biscay and Iberian Coast	France	Bas Rhin	0	0	0	0	No	No
FR037	Bay of Biscay and Iberian Coast	France	Port Notre Dame	0	0	4	4	No	Yes
FR038	Bay of Biscay and Iberian Coast	France	La Cornerie	0	1	4	0	No	No
FR039	Bay of Biscay and Iberian Coast	France	Les Trois Pierres	0	0	4	4	No	Yes
FR040	Bay of Biscay and Iberian Coast	France	La Baie de Gatseau	0	0	4	4	No	Yes
FR041	Bay of Biscay and Iberian Coast	France	La Maison de Grave	0	0	4	4	No	Yes
FR042	Bay of Biscay and Iberian Coast	France	Le Grand Crohot Sud	0	0	4	4	No	Yes
FR043	Bay of Biscay and Iberian Coast	France	La Pointe du Teich	0	0	4	4	No	Yes
FR044	Bay of Biscay and Iberian Coast	France	Le Banc d'Arguin	0	0	3	4	No	Yes
FR045	Bay of Biscay and Iberian Coast	France	Le Wharf	0	0	2	4	No	No
FR046	Bay of Biscay and Iberian Coast	France	Les Lamanchs	0	0	4	3	No	Yes
FR047	Bay of Biscay and Iberian Coast	France	Erdiko	0	0	4	4	No	Yes
FR050	Bay of Biscay and Iberian Coast	France	La Baule	0	0	4	4	No	Yes
FR051	Bay of Biscay and Iberian Coast	France	La Plage des Grottes	0	0	4	4	No	Yes
FR052	Bay of Biscay and Iberian Coast	France	La Pointe d'Arçay	0	0	4	4	No	Yes
FR053	Bay of Biscay and Iberian Coast	France	Moëze-Oléron	0	0	4	4	No	Yes

Ref. number	OSPAR region	Country	Site name	Number of surveys available				Inclusion in baseline	Inclusion in status
FR054	Bay of Biscay and Iberian Coast	France	La Bonne Anse	0	0	4	4	No	Yes
FR055	Bay of Biscay and Iberian Coast	France	La Baie de Talmont	0	0	4	4	No	Yes
FR056	Bay of Biscay and Iberian Coast	France	Le Champ de Tir	0	0	4	4	No	Yes
IR001	Celtic Seas	Ireland	Long Strand	4	4	4	4	Yes	Yes
IR002	Celtic Seas	Ireland	Silver Strand	4	4	4	4	Yes	Yes
IR003	Celtic Seas	Ireland	Carnesore	4	4	4	4	Yes	Yes
IR004	Celtic Seas	Ireland	Clogherhead South	4	4	4	4	Yes	Yes
IR005	Celtic Seas	Ireland	Dooey Beach	0	0	4	4	No	Yes
IS001	Arctic Waters	Iceland	Raudasandur	0	1	1	0	Yes*	Yes*
IS002	Arctic Waters	Iceland	Budavik	0	2	3	1	Yes*	Yes*
IS003	Arctic Waters	Iceland	Bakkavik	0	2	4	3	Yes*	Yes
IS004	Arctic Waters	Iceland	Surtsey island East	0	1	1	1	Yes*	Yes*
IS005	Arctic Waters	Iceland	Surtsey island West	0	1	1	1	Yes*	Yes*
IS006	Arctic Waters	Iceland	Rekavik bak Hofn	0	0	1	1	No	Yes*
IS007	Arctic Waters	Iceland	Vikur	0	0	3	3	No	Yes
IS008	Arctic Waters	Iceland	Ysuhvammur	0	0	3	3	No	Yes
NL001	Greater North Sea	Netherlands	Bergen	4	4	4	4	Yes	Yes
NL002	Greater North Sea	Netherlands	Noordwijk	4	4	4	4	Yes	Yes
NL003	Greater North Sea	Netherlands	Veere	4	4	4	4	Yes	Yes
NL004	Greater North Sea	Netherlands	Terschelling	4	4	4	4	Yes	Yes
NO001	Arctic Waters	Norway	Været	1	1	1	0	Yes*	Yes*
NO002	Arctic Waters	Norway	Brucebukta	1	1	1	1	Yes*	Yes*
NO003	Arctic Waters	Norway	Luftskipodden	1	1	1	1	Yes*	Yes*
NO004	Arctic Waters	Norway	Rekvika	1	1	2	2	Yes*	Yes*
NO008	Arctic Waters	Norway	Åpenvikbukta	0	0	1	2	No	Yes*
NO005	Greater North Sea	Norway	Kviljo	2	2	2	2	No	No
NO007	Greater North Sea	Norway	Ytre Hvaler	1	1	1	2	No	No
PT001	Bay of Biscay and Iberian Coast	Portugal	Praia da Barra	4	4	4	3	Yes	Yes
PT004	Bay of Biscay and Iberian Coast	Portugal	Ilha de Faro	4	4	4	4	Yes	Yes
PT005	Bay of Biscay and Iberian Coast	Portugal	Batata	4	4	4	4	Yes	Yes
PT007	Bay of Biscay and Iberian Coast	Portugal	Cabedelo	4	4	4	4	Yes	Yes
PT008	Bay of Biscay and Iberian Coast	Portugal	Osso da Baleia	4	4	4	4	Yes	Yes
PT009	Bay of Biscay and Iberian Coast	Portugal	Amoeiras	4	4	4	4	Yes	Yes
PT010	Bay of Biscay and Iberian Coast	Portugal	Fonte da Telha	4	4	4	4	Yes	Yes
PT011	Bay of Biscay and Iberian Coast	Portugal	Monte Velho	4	4	4	4	Yes	Yes
PT012	Bay of Biscay and Iberian Coast	Portugal	Barranha	4	4	4	4	Yes	Yes

Ref. number	OSPAR region	Country	Site name	Number of surveys available		Inclusion in baseline		Inclusion in status	
PT014	Bay of Biscay and Iberian Coast	Portugal	Paredes de Vitória	0	0	4	4	No	Yes
PT015	Bay of Biscay and Iberian Coast	Portugal	Furadouro Sul	0	0	4	3	No	Yes
PT016	Bay of Biscay and Iberian Coast	Portugal	Aberta-Pedrogão	0	0	2	0	No	No
PT017	Bay of Biscay and Iberian Coast	Portugal	Baleal Leste	0	0	3	4	No	Yes
PT019	Bay of Biscay and Iberian Coast	Portugal	São Félix da Marinha	0	0	4	4	No	Yes
PT025	Bay of Biscay and Iberian Coast	Portugal	Praia da Arda	0	0	4	4	No	Yes
PT038	Bay of Biscay and Iberian Coast	Portugal	Praia de Matosinhos	0	0	4	3	No	Yes
PT018	Wider Atlantic	Portugal	Areia - Corvo - Azores	0	4	4	4	Yes*	Yes
PT020	Wider Atlantic	Portugal	Almoxarife - Faial - Azores	0	4	2	3	Yes*	No
PT021	Wider Atlantic	Portugal	Praia do Norte - Faial - Azores	0	4	2	3	Yes*	No
PT022	Wider Atlantic	Portugal	Praia da Maia - São Miguel - Azores	0	4	4	4	Yes*	Yes
PT023	Wider Atlantic	Portugal	Pedreira - São Miguel - Azores	0	4	0	0	Yes*	No
PT024	Wider Atlantic	Portugal	São Lourenço - Santa Maria - Azores	0	4	4	3	Yes*	Yes
PT026	Wider Atlantic	Portugal	Vila - São Vicente, Madeira Island	0	0	1	4	No	No
PT027	Wider Atlantic	Portugal	Galé - Calheta, Madeira Island	0	0	4	4	No	Yes
PT028	Wider Atlantic	Portugal	Fajã dos Padres, Madeira Island	0	0	4	4	No	Yes
PT029	Wider Atlantic	Portugal	Praia do Gastão - Porto Santo Island	0	0	4	4	No	Yes
PT030	Wider Atlantic	Portugal	Maiata-Porto da Cruz, Madeira Island	0	0	4	4	No	Yes
PT031	Wider Atlantic	Portugal	Calhau da Serra de Dentro, Porto Santo Island	0	0	4	4	No	Yes
PT032	Wider Atlantic	Portugal	Arsenal-Portinho, Madeira Island	0	0	4	4	No	Yes
PT033	Wider Atlantic	Portugal	Calhau das Achadas da Cruz, Madeira Island	0	0	4	4	No	Yes
PT034	Wider Atlantic	Portugal	Baía d'Abra-Caniçal, Madeira Island	0	0	4	4	No	Yes
PT035	Wider Atlantic	Portugal	Água D'Alto-São Vicente, Madeira Island	0	0	3	4	No	Yes

Ref. number	OSPAR region	Country	Site name	Number of surveys available		Inclusion in baseline		Inclusion in status	
PT036	Wider Atlantic	Portugal	Degredo - São Miguel Island - Azores	0	0	2	2	No	No
SE004	Greater North Sea	Sweden	Haby	3	3	3	3	Yes	Yes
SE005	Greater North Sea	Sweden	Edsvik	2	3	3	3	No	Yes
SE006	Greater North Sea	Sweden	Saltö	2	3	3	3	No	Yes
SE007	Greater North Sea	Sweden	Grönevik	3	2	3	3	No	Yes
SE008	Greater North Sea	Sweden	Edshultshall	3	3	3	3	Yes	Yes
SE009	Greater North Sea	Sweden	Gröderhamn	3	3	3	3	Yes	Yes
UK011	Greater North Sea	United Kingdom	Cramond Beach	4	4	4	3	Yes	Yes
UK016	Greater North Sea	United Kingdom	Chilton Chine	1	0	0	0	No	No
UK040	Greater North Sea	United Kingdom	Seatown	3	4	0	0	Yes	No
UK041	Greater North Sea	United Kingdom	Polhawn	1	3	0	0	No	No
UK042	Greater North Sea	United Kingdom	Felixstowe (Cobbolds Point to the dip)	3	1	0	0	No	No
UK043	Greater North Sea	United Kingdom	Jubilee Beach	4	4	3	4	Yes	Yes
UK044	Greater North Sea	United Kingdom	Rottingdean	2	4	0	0	No	No
UK046	Greater North Sea	United Kingdom	Mill Bay (Orkney)	1	3	0	0	No	No
UK047	Greater North Sea	United Kingdom	Kinghorn Harbour	3	4	2	2	Yes	No
UK048	Greater North Sea	United Kingdom	Formby (Freshfields)	1	3	3	4	No	Yes
UK049	Greater North Sea	United Kingdom	Robin Hood's Bay	1	4	4	0	No	No
UK050	Greater North Sea	United Kingdom	Saltburn	2	4	2	0	No	No
UK051	Greater North Sea	United Kingdom	Le Braye Slip	1	0	0	0	No	No
UK054	Greater North Sea	United Kingdom	Fort Bovisand Beach	0	0	4	4	No	Yes
UK055	Greater North Sea	United Kingdom	West beach LNR	0	0	4	4	No	Yes
UK057	Greater North Sea	United Kingdom	Aberdeen North N1	0	0	1	1	No	No
UK058	Greater North Sea	United Kingdom	Paull	0	0	4	1	No	No
UK0582	Greater North Sea	United Kingdom	Easington 2	0	0	3	3	No	Yes
UK059	Greater North Sea	United Kingdom	Kilnsea Beach (Riverside) 2	0	0	3	0	No	No
UK0592	Greater North Sea	United Kingdom	Jackson's Bay North	0	0	4	4	No	Yes
UK001	Celtic Seas	United Kingdom	Hilbre Island	1	4	0	0	No	No

Ref. number	OSPAR region	Country	Site name	Number of surveys available				Inclusion in baseline	Inclusion in status
				4	4	4	3		
UK002	Celtic Seas	United Kingdom	Tan-y-Bwlch Beach	4	4	4	3	Yes	Yes
UK005	Celtic Seas	United Kingdom	Freshwater East	1	0	0	0	No	No
UK020	Celtic Seas	United Kingdom	Sand Bay	4	4	4	4	Yes	Yes
UK021	Celtic Seas	United Kingdom	Langland Bay	3	4	4	4	Yes	Yes
UK025	Celtic Seas	United Kingdom	Ardglass	0	4	4	4	No	Yes
UK026	Celtic Seas	United Kingdom	Ballyhornan	0	4	4	4	No	Yes
UK027	Celtic Seas	United Kingdom	Minearny	0	2	0	0	No	No
UK028	Celtic Seas	United Kingdom	Ballywalter	0	4	4	3	No	Yes
UK029	Celtic Seas	United Kingdom	Cloughey	0	2	0	0	No	No
UK030	Celtic Seas	United Kingdom	Drains Bay	0	2	0	0	No	No
UK031	Celtic Seas	United Kingdom	Hazelbank	0	2	4	3	No	Yes
UK032	Celtic Seas	United Kingdom	Kilkeel North	1	4	4	4	No	Yes
UK033	Celtic Seas	United Kingdom	Portavogie	0	4	4	3	No	Yes
UK034	Celtic Seas	United Kingdom	Rathlin	0	4	4	4	No	Yes
UK035	Celtic Seas	United Kingdom	Rostrevor	0	4	4	4	No	Yes
UK036	Celtic Seas	United Kingdom	Runkerry	0	4	4	4	No	Yes
UK037	Celtic Seas	United Kingdom	Tyrella	0	4	4	2	No	No
UK038	Celtic Seas	United Kingdom	White Park Bay	0	4	4	4	No	Yes
UK039	Celtic Seas	United Kingdom	Tal-y-Foel	1	3	1	3	No	No
UK045	Celtic Seas	United Kingdom	Lunderston Bay	1	3	3	3	No	Yes
UK052	Celtic Seas	United Kingdom	Culmore Point	0	0	4	4	No	Yes
UK053	Celtic Seas	United Kingdom	Port Eynon Bay	0	0	4	4	No	Yes
UK056	Celtic Seas	United Kingdom	Port Mor	0	0	0	1	No	No
IM001	Celtic Seas	United Kingdom	Castletown	0	0	0	0	No	No
IM002	Celtic Seas	United Kingdom	Douglas	0	0	0	0	No	No
IM003	Celtic Seas	United Kingdom	Kirk Michael	0	0	0	0	No	No
IM004	Celtic Seas	United Kingdom	Ramsey	0	0	0	0	No	No

Ref. number	OSPAR region	Country	Site name	Number of surveys available	Inclusion in baseline	Inclusion in status
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\*Survey sites not meeting the selection criteria (low number of surveys) but kept in the analysis to provide results for Arctic Waters status and baseline and Wider Atlantic baseline calculations

## Annex 2: Assignment table for OSPAR SUP and SEA<sub>plastic</sub> categories

OSPAR ID 2010.010	OSPAR ID CEMP 2020	Types	SUP / SEA <sub>plastic</sub>
<b>Plastic</b>			
1	1	4/6-pack yokes	SUP
2	2	Bags (e.g. shopping)	SUP
3	3	Small plastic bags, e.g., freezer bags	SUP
112	112	Plastic bag ends	SUP
4	4	Drinks (bottles, containers and drums)	SUP
5	5	Cleaner (bottles, containers and drums)	SUP
6	610 <sup>a</sup>	Food containers incl. fast food containers - plastic	SUP
6	620 <sup>a</sup>	Food containers incl. fast food containers - foamed polystyrene	SUP
7	7	Cosmetics (bottles & containers e.g. sun lotion, shampoo, shower gel, deodorant)	
8	8	Engine oil containers and drums <50 cm	
9	9	Engine oil containers and drums > 50 cm	
10	10	Jerry cans (square plastic containers with handle)	
11	11	Injection gun containers	
12	12	Other bottles, containers and drums	
13	13	Crates	
14	14	Car parts	
15	15	Caps/lids	SUP
16	16	Cigarette lighters	
17	17	Pens	
18	18	Combs/hairbrushes	
19	19	Crisp/sweet packets and lolly sticks	SUP
20	20	Toys & party poppers	
21	211 <sup>a</sup>	Cups - plastic	SUP
21	212 <sup>a</sup>	Cups - foamed polystyrene	SUP
22	22	Cutlery/trays/straws	SUP
23	23	Fertiliser/animal feed bags	
24	24	Mesh vegetable bags	
25	25	Gloves (typical washing up gloves)	
113	113	Gloves (industrial/professional gloves)	
26	26	Crab/lobster pots	SEA <sub>plastic</sub>
114	114	Lobster and fish tags	SEA <sub>plastic</sub>
27	27	Octopus pots	SEA <sub>plastic</sub>
28	28	Oyster nets or mussel bags including plastic stoppers	SEA <sub>plastic</sub>
29	29	Oyster trays (round from oyster cultures)	SEA <sub>plastic</sub>
30	30	Plastic sheeting from mussel culture (Tahitians)	SEA <sub>plastic</sub>
31	31	Rope (diameter more than 1 cm)	SEA <sub>plastic</sub>
32	321 <sup>a</sup>	String and cord (diameter < 1cm) not from dolly ropes or unidentified	SEA <sub>plastic</sub>
32	322 <sup>a</sup>	String and filaments exclusively from dolly ropes	SEA <sub>plastic</sub>
115	115	Nets and pieces of net < 50 cm	SEA <sub>plastic</sub>
116	116	Nets and pieces of net > 50 cm	SEA <sub>plastic</sub>
33	331 <sup>a</sup>	Tangled nets/cord/rope and string without dolly rope or mixed with dolly rope	SEA <sub>plastic</sub>

33	332 <sup>a</sup>	Tangled dolly rope	SEA <sub>plastic</sub>
34	341 <sup>a</sup>	Fish boxes - plastic	SEA <sub>plastic</sub>
34	342 <sup>a</sup>	Fish boxes - foamed polystyrene	SEA <sub>plastic</sub>
35	35	Fishing line (angling)	SEA <sub>plastic</sub>
36	36	Light sticks (tubes with fluid)	SEA <sub>plastic</sub>
37	37	Floats/Buoys	SEA <sub>plastic</sub>
38	38	Buckets	
39	39	Strapping bands	
40	40	Industrial packaging, plastic sheeting	
41	41	Fibre glass	
42	42	Hard hats	
43	43	Shotgun cartridges	
44	44	Shoes/sandals	
45	45	Foam sponge	
64	64 <sup>a</sup>	Cigarette butts	SUP
121	121 <sup>a</sup>	Bagged dog faeces	
48	481 <sup>a</sup>	Biofilm support media	
117	1171 <sup>a</sup>	Plastic fragments 0.5 - 2.5cm	
117	1172 <sup>a</sup>	Foamed polystyrene fragments 0.5 - 2.5cm	
46	461 <sup>a</sup>	Plastic fragments 2.5cm >> 50cm	
46	462 <sup>a</sup>	Foamed polystyrene fragments 2.5cm >> 50cm	
47	471 <sup>a</sup>	Plastic fragments > 50cm	
47	472 <sup>a</sup>	Foamed polystyrene fragments > 50cm	
48	48	Other plastic items	
<b>Rubber</b>			
49	49	Balloons, including plastic valves, ribbons, strings etc.	SUP
50	50	Boots	
52	52	Tyres and belts	
53	53	Other rubber pieces	
<b>Cloth</b>			
54	54	Clothing	
55	55	Furnishing	
56	56	Sacking	
57	57	Shoes (leather)	
59	59	Other textiles	
<b>Paper / Cardboard</b>			
60	60	Bags	
61	61	Cardboard	
118	118	Cartons e.g. tetrapak (milk)	
62	62	Cartons e.g. tetrapak (other)	
63	63	Cigarette packets	
65	65	Cups	
66	66	Newspapers & magazines	
67	67	Other paper/cardboard items	
<b>Wood (machined)</b>			
68	68	Corks	
69	69	Pallets	
70	70	Crates	
71	71	Crab/lobster pots	
119	119	Fish boxes	

72	72	Ice lolly sticks / chip forks	
73	73	Paint brushes	
74	74	Other wood < 50 cm	
75	75	Other wood > 50 cm	
<b>Metal</b>			
76	76	Aerosol/Spray cans	
77	77	Bottle caps	
78	78	Drink cans	
120	120	Disposable BBQ's	
79	79	Electric appliances	
80	80	Fishing weights	
81	81	Foil wrappers	
82	82	Food cans	
83	83	Industrial scrap	
84	84	Oil drums	
86	86	Paint tins	
87	87	Lobster/crab pots and tops	
88	88	Wire, wire mesh, barbed wire	
89	89	Other metal pieces < 50 cm	
90	90	Other metal pieces > 50 cm	
<b>Glass</b>			
91	91	Bottles	
92	92	Light bulbs/tubes	
93	931 <sup>a</sup>	Jars incl. fragments of jars	
93	93	Other glass items	
<b>Pottery / Ceramics</b>			
94	94	Construction material e.g. tiles	
95	95	Octopus pots	
96	96	Other pottery/ceramic items	
<b>Sanitary waste</b>			
97	97	Condoms – plastic	
98	981 <sup>a</sup>	Cotton bud sticks – plastic	SUP
98	982 <sup>a</sup>	Cotton bud sticks - cardboard	
99	99	Sanitary towels/panty liners/backing strips – plastic	SUP
100	100	Tampons and tampon applicators – plastic	SUP
101	101	Toilet fresheners – plastic	
102	1021 <sup>a</sup>	Wet wipes – plastic	SUP <sup>b</sup>
102	102	Other sanitary items	
<b>Medical waste</b>			
103	103	Containers / tubes	
104	104	Syringes	
105	1051 <sup>a</sup>	Single use face masks – plastic	
105	1052 <sup>a</sup>	Single use gloves – plastic	
105	105	Other medical items (swabs, bandaging etc.)	

<sup>a</sup> litter types added in 2020

<sup>b</sup> litter types that could not be discriminated in the previous OSPAR list