

Median of marine litter items by beach and marine region - 2013-2020, Dec. 2020

This metadata refers to the map showing median of marine litter items by beach and marine region, based on Marine Litter Watch (MLW) dataset in the period 2013-2020.

Regional differences in the levels and share of different litter groups/items can be depicted through the four regional seas of Europe. For the combined clean-up and monitoring data having only 90–850 m of beach length, the Black Sea (median 423 items) and Mediterranean Sea (median 346 items) coasts appear more polluted when compared to the north Atlantic Ocean (median 122 items) and Baltic Sea (median 74 items), being the median values standardized per 100 m of beach.

Simple

Date (Creation)	2020-12-01		
Date (Publication)	2021-12-01		
Edition	01.00		
Citation identifier	eea_v_3035_100_k_marine-litter-beach-items_p_2013-2020_v01_r00		
Point of contact	Organisation name	Individual name	Electronic mail address Role
	European Environment Agency		info@eea.eur info@eea.europa.eu Point of contact
	European Environment Agency		info@eea.eur info@eea.europa.eu Custodian
Maintenance and update frequency	As needed		
GEMET - INSPIRE themes, version 1.0	<ul style="list-style-type: none"> • Sea regions • Oceanographic geographical features 		
Keywords			
Keywords			
GEMET	<ul style="list-style-type: none"> • beach • pollution • litter • marine pollution 		
Continents, countries, sea regions of the world.	<ul style="list-style-type: none"> • Northeast Atlantic Ocean (40W) • Mediterranean Sea • Black Sea • Baltic Sea 		

Spatial scope	<ul style="list-style-type: none"> • European
EEA topics	<ul style="list-style-type: none"> • Water • Plastics
Access constraints	Other restrictions
Other constraints	no limitations to public access
Use constraints	Other restrictions
Other constraints	EEA standard re-use policy: unless otherwise indicated, re-use of content on the EEA website for commercial or non-commercial purposes is permitted free of charge, provided that the source is acknowledged (http://www.eea.europa.eu/legal/copyright). Copyright holder: European Environment Agency (EEA).
Spatial representation type	Vector
Denominator	100000
Language of dataset	English
Topic category	<ul style="list-style-type: none"> • Environment • Oceans

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Begin date	2013-01-01
End date	2020-11-30
CRS identifier	EPSG:3035
Distribution format	<ul style="list-style-type: none"> • Geopackage () • GDB ()

OnLine resource

No information provided.

OnLine resource

No information provided.

OnLine resource	Protocol	Linkage	Name
	ESRI:REST	https://water.discomap.eea.europa.eu/arcgis/rest/services/MarineLitterWatch/marine_litter_items_beach_and_marine_region_2013_2020/MapServer	
Hierarchy level	Dataset		

Conformance result

Date (Publication)	2010-12-08
Explanation	See the referenced specification

Statement	<p>A subset of the Marine Litter Watch (MLW) dataset was selected according to the following conditions:</p> <ul style="list-style-type: none"> - events that took place between 2013 and 2020; - events at one of the four European seas; - events at sea beaches (since the MLW dataset also covers some river and lake shores); - beach sites between 90 and 850 meters in length; - data records that pass the quality control criteria; e.g. checking for duplication, location, litter count (zero or blank excluded, as well as paraffin/wax), or other data inconsistencies. <p>Such selection criteria yielded data on > 800 beaches in 27 countries covering the four regional seas of Europe – with one-third of all sites being located in three countries: France, Italy, and Spain. From these beaches, 1440 events were recorded, with the majority in 2015–2019. The reference dataset analysed includes 1,178,143 litter items. The number of events varies between marine regions. To compare the beach litter abundance across the events, the counts of litter items are normalised to transects of 100 metres.</p>
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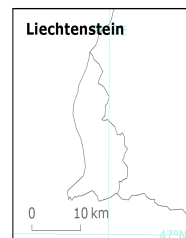
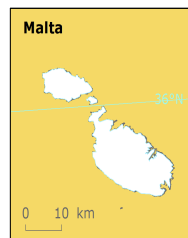
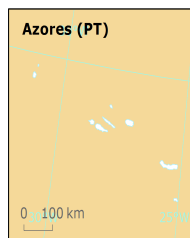
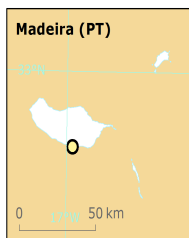
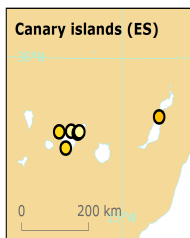
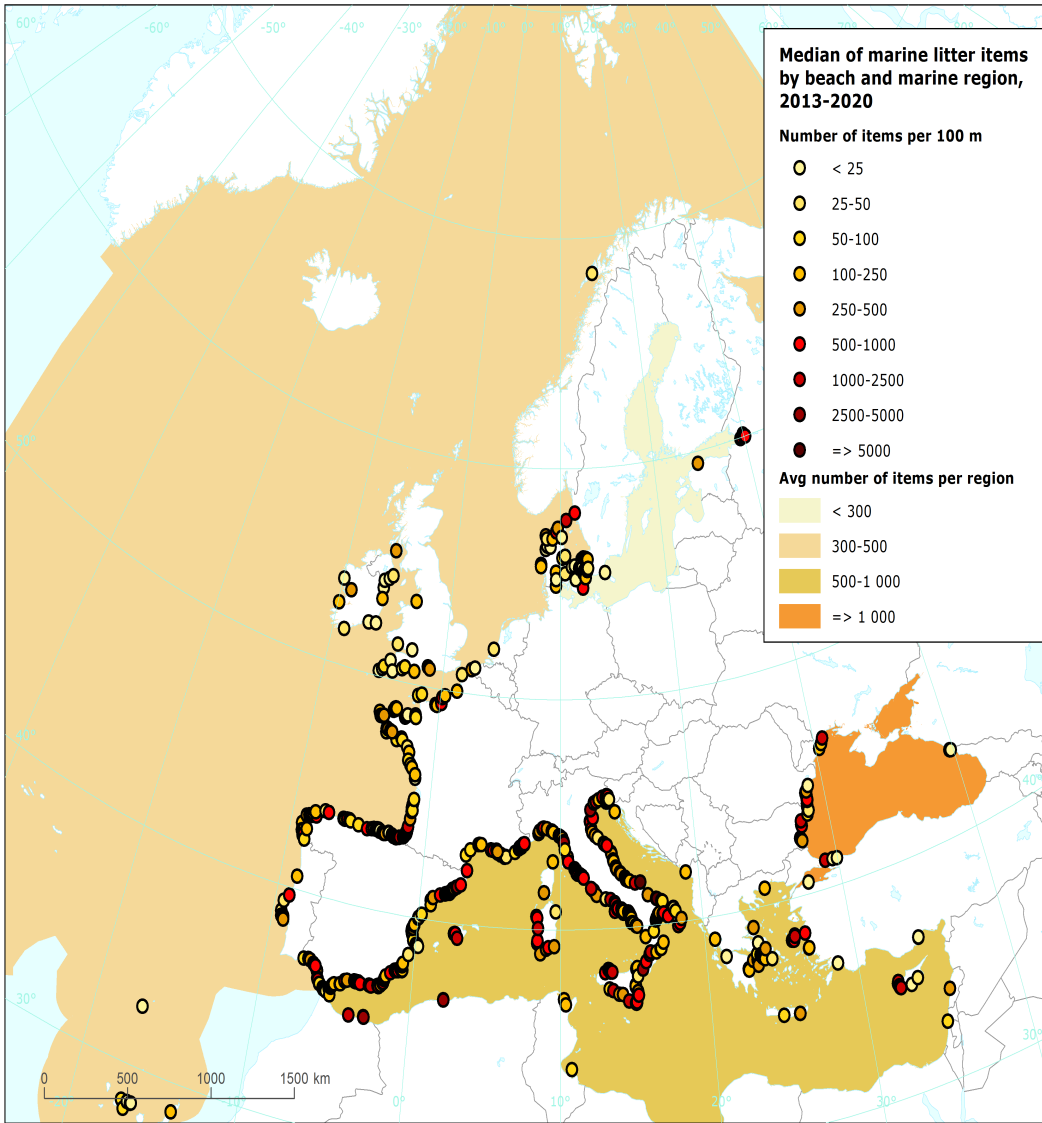
The EU Technical Group on Marine Litter (TGML), the main policy advising body on marine litter, agreed to use the median as the averaging method to mean beach litter data among surveys. The median is the middle value when a dataset is sorted from smallest to greatest. Unlike the mean, very high or very low values do not affect the median value in the dataset. Consequently, when some of the values are extreme, their effect on the median is smaller and hence better than mean values.

More information is available in ETC/ICM report 1/2021: Marine litter and European beaches: learning from citizen science (see <https://www.eionet.europa.eu/etcs/etc-icm/products/etc-icm-reports/etc-icm-report-1-2021-marine-litter-and-european-beaches-learning-from-citizen-science>).

Metadata

File identifier	89c76fab-4ccd-409b-b834-c209f80f8276 XML		
Metadata language	English		
Character set	UTF8		
Hierarchy level	Dataset		
Date stamp	2023-01-03T10:43:27.878Z		
Metadata standard name	ISO 19115/19139		
Metadata standard version	1.0		
Metadata author	Organisation name	Individual name	Electronic mail address Role
	European Environment Agency		sdi@eea.europa.eu Point of contact

Overviews



Marine-Litter-thumbail-map.png

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