



Introduction of non-indigenous species in Europe Seas, Jan. 2020

The dataset represents the introduction of non-indigenous species in European seas. Non-indigenous species are species that have been spread as a result of human activities to areas where they do not belong naturally. The main concern are the invasive species, which are defined as causing a significant negative impact on biodiversity as well as serious economic and social consequences.

The dataset has been prepared first by individually mapping each aquatic invasive species that had a distinctive distribution area, which had been provided by several non-indigenous species online databases. The distribution of the species were then resampled into the EEA 10 km grid and summed together, showing the number of non-indigenous species per grid cell. The temporal reference of the dataset covers the last 30 years (1989 - 2018).

This dataset has been prepared for the calculation of the combined effect index, produced for the ETC/ICM Report 4/2019 "Multiple pressures and their combined effects in Europe's seas" available on: <https://www.eionet.europa.eu/etcs/etc-icm/etc-icm-report-4-2019-multiple-pressures-and-their-combined-effects-in-europes-seas-1>.

Simple

Date (Creation)	2019-05-01				
Date (Publication)	2020-01-27				
Edition	01.00				
Citation identifier	eea_r_3035_10_km_intro-aqua-nis_p_1989-2018_v01_r00				
Point of contact	Organisation name	Individual name	Electronic mail address	Website	Role
	European Environment Agency		sdi@eea.europa.eu	http://www.eea.europa.eu	Point of contact
	European Environment Agency		sdi@eea.europa.eu	http://www.eea.europa.eu	Custodian

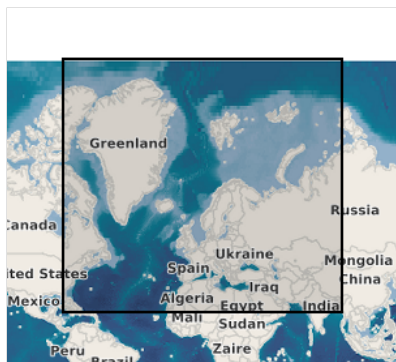
Point of contact

No information provided.

Maintenance and update frequency	As needed
GEMET - INSPIRE themes, version 1.0	<ul style="list-style-type: none">• Species distribution
Keywords	
Keywords	
GEMET	<ul style="list-style-type: none">• pressure• sea• introduction of plant species• introduction of animal species• aquatic animal• environmental pressure
Continents, countries, sea regions of the world.	<ul style="list-style-type: none">• Black Sea• Iceland Sea

	<ul style="list-style-type: none"> • Adriatic Sea • Northeast Atlantic Ocean (40W) • Kattegat • Baltic Sea • North Sea • Norwegian Sea • Barents Sea • Celtic Sea • Bay of Biscay • Ionian Sea • English Channel • Mediterranean Sea
Spatial scope	<ul style="list-style-type: none"> • European
EEA topics	<ul style="list-style-type: none"> • Biodiversity • Sustainability challenges • Seas and coasts
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	Grid
Distance	10 km
Language of dataset	English
Topic category	<ul style="list-style-type: none"> • Environment • Oceans

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Begin date	1989-01-01		
End date	2018-12-31		
Coordinate reference system identifier	EPSG:3035		
Distribution format	<ul style="list-style-type: none"> • GeoTIFF () 		
OnLine resource	Protocol EEA:FILEPATH WWW:URL ESRI:REST OGC:WMS	Linkage https://sdi.eea.europa.eu/webdav/datastore/public/eea_r_3035_10_km_intro-aqua-nis_p_1989-2018_v01_r00/NIS_sum_unnormalized.tif https://sdi.eea.europa.eu/data/cc8c0653-59e7-4f20-aa05-5f8ecb720fee https://water.discomap.eea.europa.eu/arcgis/rest/services/Marine/Pressures_Invasive_non_indigenous_species/MapServer https://water.discomap.eea.europa.eu/arcgis/services/Marine/Pressures_Invasive_non_indigenous_species/MapServer/WMServer?request=GetCapabilities&service=WMS	Name Direct download
Hierarchy level	Dataset		

Conformance result

Title	Commission Regulation (EU) No 1089/2010 of 23 November 2010 implementing Directive 2007/2/EC of the European Parliament and of the Council as regards interoperability of spatial data sets and services
Date (Publication)	2010-12-08
Explanation	See the referenced specification

Statement	<p>The dataset was made by first individually mapping each aquatic invasive species that had a distinctive distribution area. The distinctive distribution areas for all species were based on information from various non-indigenous species online databases:</p> <ul style="list-style-type: none"> • Algaebase.org • Nobanis.org • Marinespecies.org • Cabi.org • Europe-aliens.org • Ciesm.org • Invasions.si.edu/nemesis/
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- iucn.org
- iucngisd.org/gisd/
- Eol.org
- Marlin.ac.uk

The distribution was mapped according to the information from the aforementioned databases into the EEA 10 km grid.

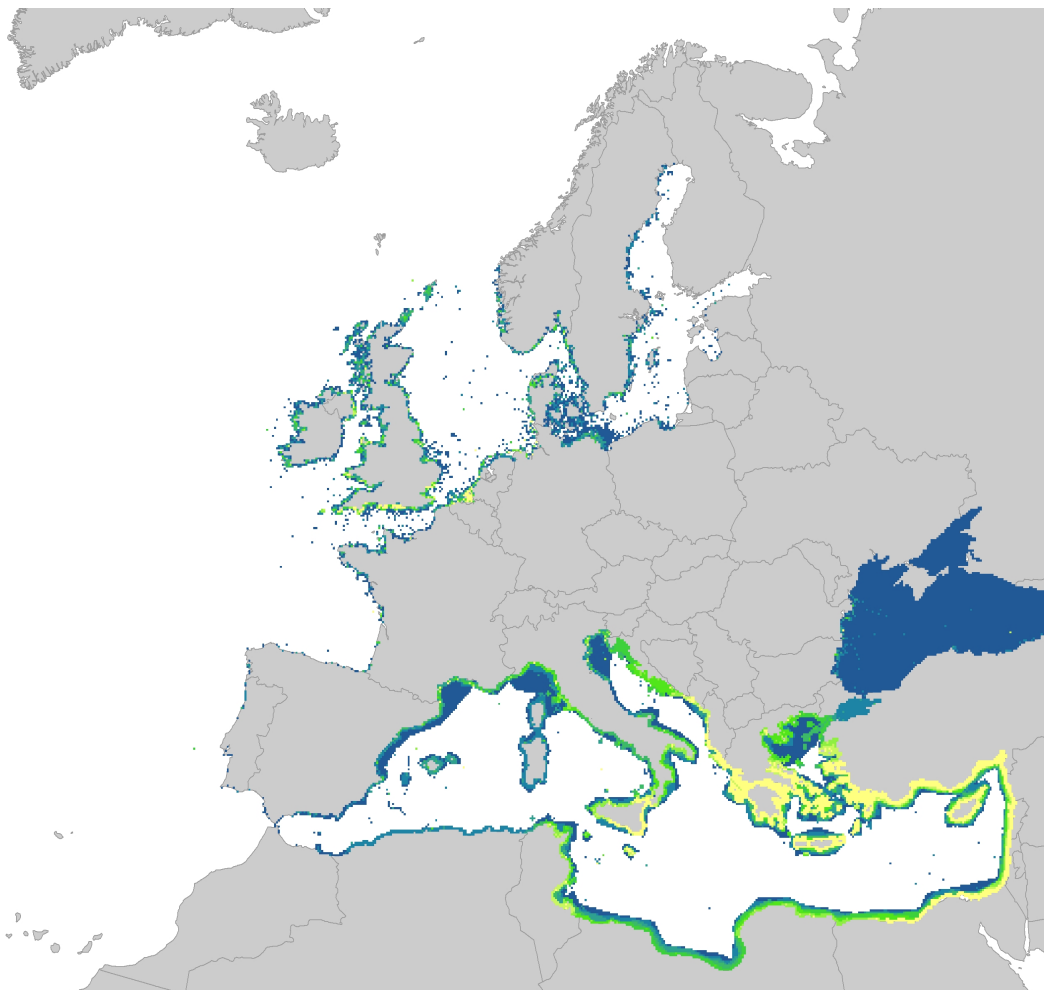
If the species was observed only occasionally in the area, it was not considered sufficient for the distribution of that area. If the species was reported 'often observed' in the area, the area was included in its distribution. The Mediterranean area was also supplemented by information on the distribution of non-indigenous species provided by local experts.

All species layers were summed together into one raster, showing the number of non-indigenous species per grid cell.

Metadata

File identifier	cc8c0653-59e7-4f20-aa05-5f8ecb720fee XML		
Metadata language	English		
Character set	UTF8		
Hierarchy level	Dataset		
Date stamp	2021-01-07T09:35:14		
Metadata standard name	ISO 19115/19139		
Metadata standard version	1.0		
Metadata author	<div> <div> <div>Organisation name</div> <div>Individual name</div> </div> <div> <div>European Environment Agency</div> <div></div> </div> </div>	<div> <div>Electronic mail address</div> <div>sdi@eea.europa.eu</div> </div>	<div> <div>Website Role</div> <div>Point of contact</div> </div>

Overviews



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