

Protected Areas 2021 (raster 10m) based on CDDA, Natura 2000 and Emerald Network datasets, Jan. 2022

The "Protected Area" data set is a raster data set combining of the following data sources:

- Nationally designated areas (CDDA), restricted version
- Natura 2000 Network
- Emerald Network

The internal version of the European inventory of Nationally designated areas (CDDA dataset version 19, 2021) holds information about designated areas and their designation types, which directly or indirectly create protected areas. The data is delivered by the Eionet partnership countries as spatial and tabular information. EEA does not have permission to distribute some or all sites reported by Estonia, Ireland and Türkiye.

Natura 2000 is the key instrument to protect biodiversity in the European Union. It is an ecological network of protected areas, set up to ensure the survival of Europe's most valuable species and habitats. Natura 2000 is based on the 1979 Birds Directive and the 1992 Habitats Directive. Please be aware that some Member States have submitted sensitive information that has been filtered out of the Natura 2000 database. The Natura 2000 version used for this dataset covers the reporting in 2020.

The Emerald Network is an ecological network made up of Areas of Special Conservation Interest. The objective of the Emerald Network is the long-term survival of the species and habitats. The Emerald Network consists of the Areas of Special Conservation Interest (ASCI) designated under Recommendation No. 16 (1989) and Resolution No. 3 (1996) of the Standing Committee to the Bern Convention. The Emerald version used for this dataset covers the reporting in 2020.

IMPORTANT NOTE: Because of the use of the internal CDDA spatial dataset, no spatial maps or other visualizations showing potential location of protected areas may be generated from the PA data set presented here. For spatial representation of the CDDA data please refer to the public versions registered in SDI (<https://sdi.eea.europa.eu/catalogue/srv/eng/catalog.search#/metadata/c0c9663b-ea1c-4068-b8b5-533f40539bdf>).

Simple

Date (Publication)	2022-01-01		
Date (Creation)	2022-01-01		
Edition	01.00		
Citation identifier	eea_r_3035_10_m_protected-areas_i_2021_v01_r00		
Point of contact	Organisation name	Individual name	Electronic mail address Role
	European Environment Agency		info@eea.europa.eu Point of contact
	European Environment Agency		info@eea.europa.eu Custodian
Maintenance and update frequency	Annually		
EEA topics	<ul style="list-style-type: none"> • Land use • Water 		

	<ul style="list-style-type: none"> • Biodiversity
GEMET - INSPIRE themes, version 1.0	<ul style="list-style-type: none"> • Protected sites
Keywords	
Keywords	
Continents, countries, sea regions of the world.	<ul style="list-style-type: none"> • Norway • Montenegro • Kosovo (UNSCR 1244/99) • EU27 (from 2020) • Albania • Switzerland • Iceland • United Kingdom • North Macedonia • EFTA4 • Serbia • Bosnia and Herzegovina
GEMET	<ul style="list-style-type: none"> • natural area • environmental protection • site protection • natural areas protection • biodiversity protection • protected landscape • protected marine zone
Spatial scope	<ul style="list-style-type: none"> • European
INSPIRE priority data set	<ul style="list-style-type: none"> • Directive 2009/147/EC • EEA Annual Work Programme • Natura 2000 sites (Habitats Directive) • Natura 2000 sites (Birds Directive) • Directive 92/43/EEC • Nationally designated areas - CDDA

Resource constraints

No information provided.

Access constraints	Other restrictions
Other constraints	public access limited according to Article 13(1)(b) of the INSPIRE Directive
Use constraints	Other restrictions
Other constraints	This dataset contains parts which are restricted by the data providers and not to be made public. EEA does not have permission to distribute some or all sites reported by Estonia, Ireland and Türkiye.

Aggregate Datasetidentifier	19a55fb5-7189-4a50-8ff7-d5692bfab9ac
Association Type	Source
Aggregate Datasetidentifier	b1777027-6c85-4d19-bdf2-5840184d6e13
Association Type	Source
Aggregate Datasetidentifier	c2a68bc9-543a-4cab-a168-aa20ce0d6951
Association Type	Source
Spatial representation type	Grid
Distance	10 m
Language of dataset	English
Topic category	<ul style="list-style-type: none">• Environment

Extent

No information provided.

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Begin date	2020-01-01
End date	2021-12-31
CRS identifier	EPSG:4326
CRS identifier	EPSG:3035
Distribution format	<ul style="list-style-type: none"> • GeoTIFF (1)

OnLine resource

No information provided.

Hierarchy level	Dataset
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Conformance result

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

Statement	This 10m protected area (PA 2021) raster dataset was created to solve the problems of overlays between and inside the different protection vector datasets and to obtain a simple raster format for JEDI and GIS processing.
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Each of the three vector input data was first converted to 10m binary raster. Then the three raster files were summarized and a fixed raster value was assigned to

each combination of protected "type" (CDDA only = 10, CDDA and Natura 2000 =11,):

PIXEL values:

Protected areas lookup tables

code protection type

1 Natura 2000 only

10 CDDA only

11 Natura2000 and CDDA

100 Emerald only

101 Emerald and Natura 2000 *

110 CDDA and Emerald

111 CDDA, Natura2000 and Emerald *

*This combination should not actually occur (Natura 2000 & Emerald) , but it does, due to overlaps at the country borders.

IMPORTANT NOTE:

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For spatial representation please refer to the public versions of the data registered in SDI (<https://sdi.eea.europa.eu/catalogue/srv/eng/catalog.search#/metadata/c0c9663b-ea1c-4068-b8b5-533f40539bdf>).

Metadata

File identifier	a08e21da-2e41-4056-a073-3e9cf6189b71 XML		
Metadata language	English		
Character set	UTF8		
Hierarchy level	Dataset		
Date stamp	2023-01-16T12:44:25.839Z		
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

a08e21da-2e41-4056-a073-3e9cf6189b71.png

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