EEA geospatial data catalogue

# EEA reference GRID for Czechia in 1, 10 and 100 km (vector), version Oct. 2026

This dataset provides the reference grids for Czechia. The grids are based on a proposal from the 1st European Workshop on Reference Grids in 2003 and aligns with the INSPIRE geographical grid systems.

The grids are available at resolutions of 1 km, 10 km, and 100 km, and at different geographical scales (national or EEA country coverage). They cover at least the country borders and, where applicable, a marine area derived from the Exclusive Economic Zones (EEZ), version 12.0. Note that the extent of the grids into the marine area does not represent the extent of Czechia's territorial waters.

The grid data are provided in GeoPackage and ESRI geodatabase formats.

## Simple

### Identification info

| | |
|---|---|
| **Date (Publication)** | 2026-10-15 |
| **Date (Creation)** | 2026-10-01 |
| **Edition** | 01.00 |
| **Citation identifier** | EEA_v_3035_1-10-100_km_ref-GRID-CZ_p_2026_v01_r01 |

**Point of contact**

| Organisation | Individual | 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 | | Custodian |

| | |
|---|---|
| **Spatial representation type** | Vector |

### Spatial resolution

| | |
|---|---|
| **Spatial resolution** | 1 km |

### Spatial resolution

| | |
|---|---|
| **Spatial resolution** | 10 km |

### Spatial resolution

| | |
|---|---|
| **Spatial resolution** | 100 km |

| | |
|---|---|
| **Topic category** | • Environment |

**Extent**

**Extent**

**Extent**

Extent

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 51.15 | N | 48.45 | S | 19.01 | E | 11.95 | W |

**Extent**

**Extent**

## Temporal extent

| | |
|---|---|
| **Time period** | 2026-01-01 |

**Extent**

| | |
|---|---|
| **Maintenance and update frequency** | Unknown |
| **GEMET - INSPIRE themes, version 1.0** | • Area management/restriction/regulation zones and reporting units<br>• Geographical grid systems<br>• Sea regions |
| **GEMET** | • gridding<br>• region<br>• environmental policy<br>• information<br>• geographic information system |
| **Continents, countries, sea regions of the world.** | • Czechia |
| **Spatial scope** | • National |

## Resource constraints

| | |
|---|---|
| **Access constraints** | Other restrictions |
| **Other constraints** | no limitations to public access |

## Resource constraints

| | |
|---|---|
| **Use constraints** | Other restrictions |
| **Other constraints** | License CC-BY 4.0 ( https://creativecommons.org/licenses/by/4.0/). Copyright holder: European Environment Agency (EEA). |
| **Language** | English |

## Distribution Information

| | |
|---|---|
| **Distribution format** | • Geopackage<br>• GDB |
| **OnLine resource** | https://sdi.eea.europa.eu/webdav/datastore/public/EEA_v_3035_1-10-100_km_ref-GRID-CZ_p_2026_v01_r01 |
| **OnLine resource** | Direct download |

## Data quality info

| | |
|---|---|
| **Hierarchy level** | Dataset |

## Report

## 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 |

## Resource lineage

| | |
|---|---|
| **Statement** | The reference grids are based on ETRS89 Lambert Azimuthal Equal Area projection with parameters: latitude of origin 52°N, longitude of origin 10°E, false northing 3210000.0m, false easting 4321000.0m. The origin of the grid is calculated from 0 mN, 0 mE in the projection. The grids are created at different resolutions (1, 10, 100km) and by different geographic scales (National level, EEA country coverage). Each grid will always cover terrestrial boundaries and, when applicable, marine regions, with a 20km buffer around them. The terrestrial area is extracted from EuroBoundaryMap v? by Eurogeographic, while the marine area is delineated from the EEZ (version 12); note that the grid extent into the marine area does not reflect the extent of territorial waters. The method followed the instructions for the EEA fishnet tool described in the EEA GIS guideline available from http://www.eionet.europa.eu/gis. All grids have been created using the script described in the EEA GitHub. Additionally, a readme.txt file is available in the same subfolder of the data . |
| **Hierarchy level** | Dataset |

## Reference System Information

## Reference System Information

| | |
|---|---|
| **Code** | EPSG:3035 |

## Metadata

| | |
|---|---|
| **Metadata identifier** | urn:uuid/214252ea-00c7-42e8-8ae2-af45c5815884 |
| **Language** | English |
| **Character encoding** | UTF8 |

**Contact**

| Organisation | Individual | Electronic mail address | Website | Role |
|---|---|---|---|---|
| European Environment Agency | | sdi@eea.europa.eu | | Point of contact |

## Type of resource

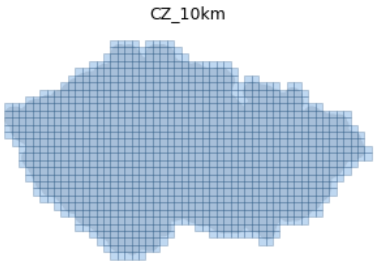
| | |
|---|---|
| **Resource type** | Dataset |
| **Metadata linkage** | https://sdi.eea.europa.eu/catalogue/srv/api/records/214252ea-00c7-42e8-8ae2-af45c5815884?language=all |
| **Date info (Creation)** | 2026-10-01T12:23:39.848181Z |
| **Date info (Revision)** | 2026-10-09T13:03:02.594003Z |

## Metadata standard

| | |
|---|---|
| **Title** | ISO 19115/19139 |

| | |
|---|---|
| **Edition** | 1.0 |

## Overviews




## Provided by