EEA geospatial data catalogue

Soil sealing index_superseded (2006-2021provisional)

Area of sealed land surface.

Provisional data: Note that these values are shared as preliminary results and should not be taken as final statistical evidence. Final publication, later this year, will introduce further calibrations to the harmonised imperviousness timeseries input data, as the 2024 reference year is added.

Simple

Identification info

Date (Creation)	2026-08-10
Date (Publication)	2026-08-10
Edition	01.00
Citation identifier	eea_s_eu-sdg-11-32-provisional_p_2006-2021_v01_r00

Identifier

Code	10.2909/a844eaba-d6d6-4b47-b049-768e09e79853
Codespace	doi.org
Description	Digital Object Identifier (DOI)

Status	Superseded
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
Topic category	• Environment

Extent

Temporal extent

Time period	2006-01-01 2021-12-31

Maintenance and update frequency	Annually
GEMET	• land cover • index • statistical data • environmental policy • soil surface sealing • land use

Continents, countries, sea regions of the world.	• EU27 (from 2020)
Reporting obligations	• Soil sealing
EEA Management Plan	• 2023 1.1.1
EEA topics	• Land use • Soil • Sustainability challenges

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

Content Information

Content type	

Distribution Information

Distribution format	• Microsoft Excel (.xls, .xlsx)
OnLine resource	Direct download
OnLine resource	EEA Dashboard (Tableau): Imperviousness: accounting for the sealed land surface
OnLine resource	EEA indicator: Imperviousness and imperviousness change in Europe This indicator measures the covering of the soil surface with non-permeable materials, hence indicating imperviousness. The aggregation of imperviousness values to reference units, such as urban areas, floodplains, coastal zones or protected areas is performed using the integrated spatial data platform of the EEA.
OnLine resource	Digital Object Identifier (DOI)

Resource lineage

Statement	The amount of soil sealing was modelled on a 1km grid for all reference years, by making use of visually interpreted reference measurements and a non-linear regression function. The accuracy of all layers in the time series reached over 90%.
Hierarchy level	Dataset
Source	• Harmonized imperviousness layer 2006 (raster 1km), Feb. 2024

Portrayal catalogue info

Date	
Maintenance and update frequency	
User defined maintenance frequency	P0Y0M0DT0H0M0S
Date	

Metadata

Metadata identifier	a844eaba-d6d6-4b47-b049-768e09e79853
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	Non geographic dataset
Name	Tabular dataset

Metadata linkage	https://doi.org/10.2909/a844eaba-d6d6-4b47-b049-768e09e79853
Date info (Creation)	2026-08-10T09:06:36.710348Z
Date info (Revision)	2026-08-11T11:19:53.719791Z

Metadata standard

Title	ISO 19115/19139
Edition	1.0

Overviews

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