

Soil erosion by water

[REMOVE](#) [1]

EU-wide estimates of erosion are based on modelling studies. Most models contain a rainfall erosivity factor and a soil erodibility factor that reflect average precipitation conditions. Typical values for these factors may inadequately represent the impact of extreme rainfall. Therefore, the uncertainty of modelled erosion risk is high, especially at local level.

(Source, EEA, <http://www.eea.europa.eu/data-and-maps/indicators/soil-erosion-by-water-1> [2], 12-2-2015)

Data host:

European Environment Agency

Link to Data:

<http://www.eea.europa.eu/data-and-maps/data/geomorphology-geology-erosion-trends...> [3]

Type of Indicator source:

- [Intergovernmental Organisation](#) [4]

Geographical Coverage:

Austria
Belgium
Bulgaria
Cyprus
Czech Republic
Denmark
Estonia
Finland
France
Germany
Hungary
Ireland
Italy
Latvia
Lithuania
Luxembourg
Malta
Netherlands
Poland
Portugal
Romania
Slovakia
Slovenia
Spain
Sweden
United Kingdom

Geographical Level:

- [National](#) [5]

Same/similar indicators appears in the following sets:

- [EEA's environmental indicators/Environmental Pressure indicators](#) [6]
- [Europe 2020 Indicators](#) [7]

Methodological transparency:

- [Complete methodology available](#) [8]

Indicator relation: **Indicator:** [Soil erosion by water - area eroded by more than 10 tonnes per hectare per year](#) [9]

Relationship explanation: Is only area eroded by more than 10 tonnes. These data seem to be easier to get

Type of relation: Similar indicator

Temporal Coverage:

1961 to 2006

Frequency of Updates:

- [irregular](#) [10]

Indicator developer:

Joint Research Center and European Environmental Agency

Link to Methodology:

[Modelling soil erosion at European scale: towards harmonization and reproducibility.](#) [11]

Aggregation level of indicator:

- [Aggregate](#) [12]

Data quality assesment:

- [assessed by international institution including WTO, OECD](#) [13]

Publishing delay:

- [more than 3 years](#) [14]

Link to data quality assessment:

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[Modelling soil erosion at European scale: towards harmonization and reproducibility.](#)^[11]

Contribution to the green economy:

Soil erosion by water is destruction of a resource, and therefore negative for the Green Economy

Cost of accessing data:

- [free of charge](#) ^[15]

Potential misinterpretation: Is there more soil erosion by water, but it is rather occurring because of a low level of natural vegetative cover than more water?

Related Indicator: [Land cover distribution and change — outlook from MNP](#) ^[16]

Potential misinterpretation: Is the overall soil erosion by water declining, but areas with very high erosion rates are increasing in number?

Related Indicator: [Soil erosion by water - area eroded by more than 10 tonnes per hectare per year](#) ^[9]

Use of indicator in mandates, international agreements or legislation:

Name of agreement or policy:

EU Adaptation Strategy Package

Name of body or organisation:

EU

Link to body or organisation:

[EU Adaptation Strategy Package](#) ^[17]



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Source URL: <https://measuring-progress.eu/soil-erosion-water>

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Links

- [1] <https://measuring-progress.eu/coll-del/nojs/770>
- [2] <http://www.eea.europa.eu/data-and-maps/indicators/soil-erosion-by-water-1>
- [3] <http://www.eea.europa.eu/data-and-maps/data/geomorphology-geology-erosion-trends-and-coastal-defence-works>
- [4] <https://measuring-progress.eu/taxonomy/term/52>
- [5] <https://measuring-progress.eu/taxonomy/term/33>
- [6] <https://measuring-progress.eu/taxonomy/term/65>
- [7] <https://measuring-progress.eu/taxonomy/term/72>
- [8] <https://measuring-progress.eu/taxonomy/term/34>
- [9] <https://measuring-progress.eu/soil-erosion-water-area-eroded-more-10-tonnes-hectare-year>
- [10] <https://measuring-progress.eu/taxonomy/term/21>
- [11] <http://www.nat-hazards-earth-syst-sci-discuss.net/2/2639/2014/nhessd-2-2639-2014.pdf>
- [12] <https://measuring-progress.eu/taxonomy/term/28>
- [13] <https://measuring-progress.eu/taxonomy/term/39>
- [14] <https://measuring-progress.eu/taxonomy/term/26>
- [15] <https://measuring-progress.eu/taxonomy/term/9>
- [16] <https://measuring-progress.eu/land-cover-distribution-and-change-%E2%80%94-outlook-mnp>
- [17] http://ec.europa.eu/clima/policies/adaptation/what/documentation_en.htm