

JRC Dataset

LF521 - Capacity of ecosystems to avoid soil erosion (LUISA Platform REF2014)

Description:

The indicator measures the capacity of ecosystems to avoid soil erosion assigning values ranging from 0 to 1 at pixel level, covering the EU-28 territory. This indicator is related to the capacity of a given land cover type to provide soil protection. The level of detail of this indicator is per NUTS0 and NUTS2. Additional publications: 1. Van der Knijff, J., Jones, R., Montanarella, L. (1999). "Soil erosion risk assessment in Italy". Joint Research Centre. European Commission. http://www.preventionweb.net/files/1581_ereurnew2.pdf

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Keywords:

CLC 2006, EU Reference scenario 2014, LUISA, NUTS, NUTS0, NUTS2, RUSLE equation, Soil degradation, Soil framework directive, State, TESI

Related resources:

Data access

LF521 - Capacity of ecosystems to avoid soil erosion (Europe)

The compressed zip file contains the projected capacity of ecosystems to avoid soil erosion at NUTS0 and NUTS2 , from 2010 to 2050. The data is stored in .csv format.

https://cidportal.jrc.ec.europa.eu/ftp/jrc-opendata/LUISA/SecondaryOutput_Indicators/Europe/REF-2014/NUTS/LF_521_NUTSX_ref_2014.zip

LF521 - Capacity of ecosystems to avoid soil erosion (Danube)

The compressed zip file contains the projected capacity of ecosystems to avoid soil erosion for the Danube region at NUTS0 and NUTS2 , from 2010 to 2050. The data is stored in .csv format.

https://cidportal.jrc.ec.europa.eu/ftp/jrc-opendata/LUISA/SecondaryOutput_Indicators/Danube/REF-2014/NUTS/LF_521_NUTSX_ref_2014.zip

Publications

Predicting Rainfall Erosion Losses - A Guide to Conservation Planning

<http://naldc.nal.usda.gov/download/CAT79706928/PDF>

Bias correction of the ENSEMBLES high-resolution climate change projections for use by impact models: Evaluation on the present climate

Dosio A, Paruolo P. Bias correction of the ENSEMBLES high-resolution climate change projections for use by impact models: Evaluation on the present climate. JOURNAL OF GEOPHYSICAL RESEARCH-ATMOSPHERES 116 (D16106); 2011. JRC65181

DOI:[10.1029/2011JD015934](https://doi.org/10.1029/2011JD015934)

Other resources

Land-Use-based Integrated Sustainability Assessment' modelling platform (LUISA)

LUISA webpage (European Commission - JRC Science Hub)

Additional information:

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Landing page: <https://ec.europa.eu/jrc/en/luisa>

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EuroVoc domain(s): 36 SCIENCE; 52 ENVIRONMENT

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