

JRC Dataset

UI - Atmospheric emissions of PM10 (LUISA Platform REF2014)

Description:

The indicator shows the spatial distribution of PM10 (sub-10µm particulate matter) emissions over Europe. The total emissions for each country are derived from the GAINS model. This is the first version of the dataset (1.0) and it has not been extensively validated yet.

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Keywords:

EU Reference scenario 2014, FUA, GAINS, NUTS, NUTS0, NUTS2, PM10, RIAT+, SHERPA, Urban indicator, air pollution, air quality, particulate matter

Related resources:

Data access

UI - Atmospheric emissions of PM10 (Danube)

The compressed zip file contains the projected PM10 emission maps at NUTS0 and NUTS2 for the Danube regions from 2010 to 2030. The link points to a tree-folder structure where data are stored in csv.format.

https://cidportal.jrc.ec.europa.eu/ftp/jrc-opendata/LUISA/SecondaryOutput_Indicators/Danube/REF-2014/NUTS/UI-PM10-emissions-ref-2014.zip

UI - Atmospheric emissions of PM10 (Europe)

The compressed zip file contains the projected PM10 emissions, expressed in quintal/year (1 quintal = 100Kg), at 2 different levels of aggregation: NUTS and FUA from 2010 to 2030 in Europe. The link points to a tree-folder structure where data are stored in csv.format.

https://cidportal.jrc.ec.europa.eu/ftp/jrc-opendata/LUISA/SecondaryOutput_Indicators/Europe/REF-2014/ALL/UI-PM10-emissions-Europe-ref-2014

Publications

Methods for Regional Integrated Assessment: High resolution gridded emission distribution in the LUISA Platform

Trombetti M, Pisoni E, Maes J, Lavallo C, Thunis P. Methods for Regional Integrated Assessment: High resolution gridded emission distribution in the LUISA Platform . EUR 27005. Luxembourg (Luxembourg): Publications Office of the European Union; 2014. JRC93813

DOI:[10.2788/46604](https://doi.org/10.2788/46604)

European cities: territorial analysis of characteristics and trends - An application of the LUISA Modelling Platform (EU Reference Scenario 2013 - Updated Configuration 2014)

Kompil M, Aurambout J, Ribeiro Barranco R, Barbosa A, Jacobs C, Pisoni E, Zulian G, Vandecasteele I, Trombetti M, Vizcaino M, Vallecillo Rodriguez S, Batista E Silva F, Baranzelli C, Mari Rivero I, Perpiña Castillo C, Polce C, Maes J, Lavallo C.

European cities: territorial analysis of characteristics and trends - An application of the LUISA Modelling Platform (EU Reference Scenario 2013 - Updated Configuration 2014). EUR 27709. Luxembourg (Luxembourg): Publications Office of the European Union; 2015. JRC100001

DOI:[10.2788/737963](https://doi.org/10.2788/737963)

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EuroVoc domain(s): 36 SCIENCE; 52 ENVIRONMENT

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