

# JRC Dataset

## UI - Atmospheric emissions of CO2 (LUISA Platform REF2014)

### Description:

The indicator shows the spatial distribution of CO<sub>2</sub> (Carbon dioxide) 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.

### Contributors:

- Lavallo, Carlo [carlo.lavallo@ec.europa.eu](mailto:carlo.lavallo@ec.europa.eu)
- Trombetti, Marco [marco.trombetti@ec.europa.eu](mailto:marco.trombetti@ec.europa.eu)
- Pisoni, Enrico [enrico.pisoni@ec.europa.eu](mailto:enrico.pisoni@ec.europa.eu)

### How to cite:

Lavallo, Carlo; Trombetti, Marco; Pisoni, Enrico(2015): UI - Atmospheric emissions of CO<sub>2</sub> (LUISA Platform REF2014). European Commission, Joint Research Centre (JRC) [Dataset] PID: <http://data.europa.eu/89h/jrc-luisa-co2-atmospheric-emissions-ref-2014>

### Keywords:

Air pollution, Air quality, CO<sub>2</sub>, Carbon dioxide, Downscaling, EU Reference Scenario 2014, GAINS, LUISA, NUTS, NUTS0, NUTS2, RIAT+, SHERPA

### Related resources:

#### Data access

##### UI - CO<sub>2</sub> -Atmospheric emission (Danube)

The compressed zip file contains the projected CO<sub>2</sub> emission maps at NUTS0 and NUTS2 for the Danube regions from 2010 to 2030. The maps are stored in .csv format.

[https://cidportal.jrc.ec.europa.eu/ftp/jrc-opendata/LUISA/SecondaryOutput\\_Indicators/Danube/REF-2014/NUTS/UI-CO2-emissions-ref-2014.zip](https://cidportal.jrc.ec.europa.eu/ftp/jrc-opendata/LUISA/SecondaryOutput_Indicators/Danube/REF-2014/NUTS/UI-CO2-emissions-ref-2014.zip)

##### UI - CO<sub>2</sub> -Atmospheric emission (Europe)

The compressed zip file contains the projected CO<sub>2</sub> emission maps at NUTS0 and NUTS2 from 2010 to 2030. The maps are stored in .csv format.

[https://cidportal.jrc.ec.europa.eu/ftp/jrc-opendata/LUISA/SecondaryOutput\\_Indicators/Europe/REF-2014/NUTS/UI-CO2-emissions-ref-2014.zip](https://cidportal.jrc.ec.europa.eu/ftp/jrc-opendata/LUISA/SecondaryOutput_Indicators/Europe/REF-2014/NUTS/UI-CO2-emissions-ref-2014.zip)

#### 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)

#### Other resources

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

LUISA webpage (European Commission - JRC Science Hub)

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

### Additional information:

Last Modified: 2015-12-10

Issue date: 2015-04-22

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

Geographic area: European Union

Temporal coverage: From: 2010-01-01 – To: 2030-12-31

Update frequency: None

Language: English

Data theme(s): Environment; Science and technology

EuroVoc domain(s): 36 SCIENCE; 52 ENVIRONMENT

Identifier: <http://data.europa.eu/89h/jrc-luisa-co2-atmospheric-emissions-ref-2014>