How to manage maps

Data visualisation

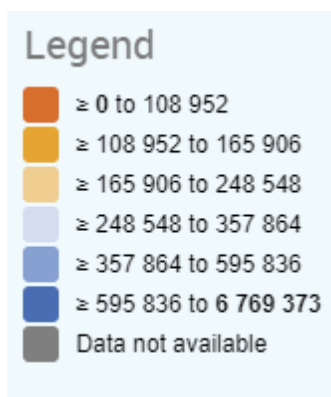Click on **Map** tab to visualise the data with a map:

♀ Map

The interactive map provides an overview of the geographical areas for the selected dataset.

Dimensions Management

- The **Geographical area** dimension must contain the "Geopolitical entity" dimension
- The **Series** dimension is available above the visualisation, at the top left. Select your position (ex: TIME = 2014): the map will be adapted to the newly selected position
- If available, select the appropriate geographical level (at the top right of the map):

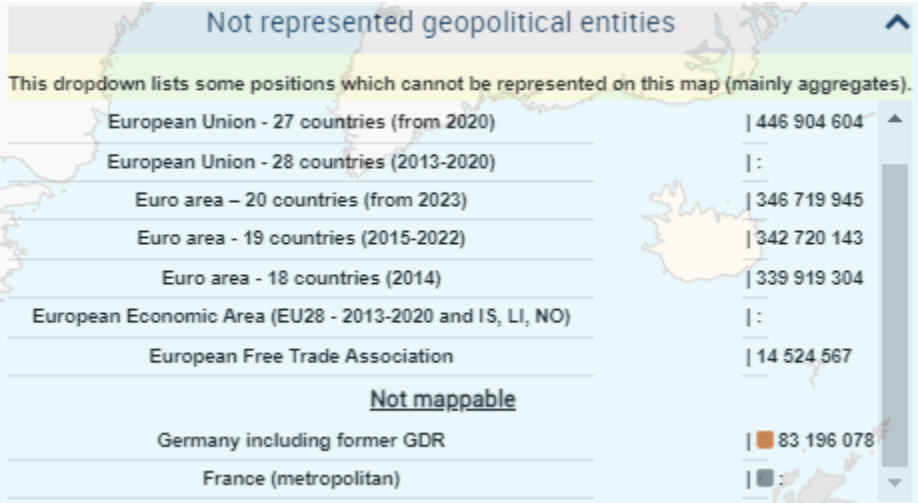**Geographical level (NUTS version)**: NUTS 3 regions (2021)

  - **Country** level: map is at the national level
  - **NUTS 1** to **NUTS 3** Levels: the map is at the regional level based on the NUTS classification (see this page for more information about NUTS classification)
- The value of the observation will drive the colour affected to each of the geographical areas displayed. In the colour legend:

Legend

- ≥ 0 to 108 952
- ≥ 108 952 to 165 906
- ≥ 165 906 to 248 548
- ≥ 248 548 to 357 864
- ≥ 357 864 to 595 836
- ≥ 595 836 to 6 769 373
- Data not available

  - Values are grouped into classes, based on the classification method selected in the **Format** tab
  - Dark grey is used when no data is available
  - Light grey is used for geographical areas out of the scope.
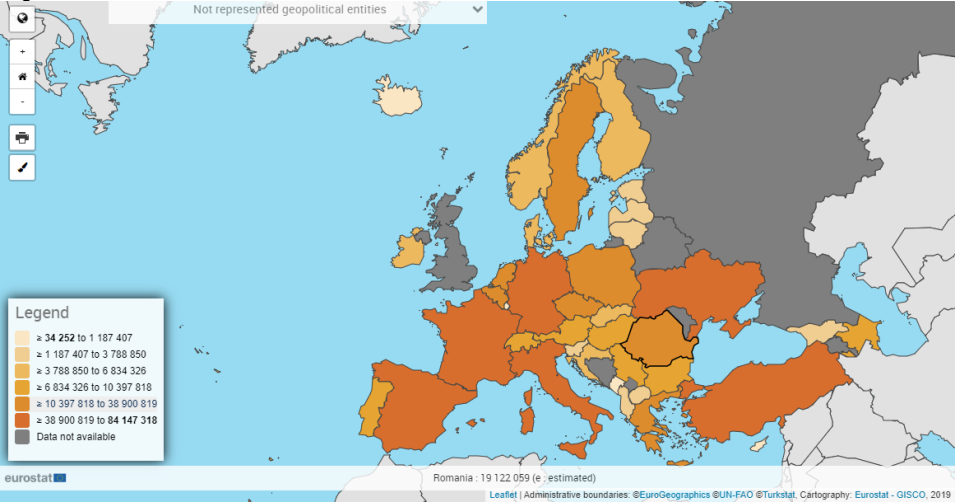
Map-specific features

- Some geographical entities are incompatible with the **Map** component. When this is the case, the **Not represented geopolitical entities** dropdown will list those entities and the data linked to it:

Not represented geopolitical entities	^
This dropdown lists some positions which cannot be represented on this map (mainly aggregates).	
European Union - 27 countries (from 2020)	| 446 904 604
European Union - 28 countries (2013-2020)	| :
Euro area – 20 countries (from 2023)	| 346 719 945
Euro area - 19 countries (2015-2022)	| 342 720 143
Euro area - 18 countries (2014)	| 339 919 304
European Economic Area (EU28 - 2013-2020 and IS, LI, NO)	| :
European Free Trade Association	| 14 524 567
Not mappable	
Germany including former GDR	| ■ 83 196 078
France (metropolitan)	| ■ :

  - Such entities are:

    - Aggregates (ex: EU27_2020)
    - NUTS entities related to a version of NUTS which is not the last (implemented) version of NUTS. So, for example, data related to 2010 version of NUTS won't be displayable on the 2013 version of the NUTS **Map** component.

- Display overseas regions by clicking on the globe in the upper middle area of the map. Click again to hide once showed:
- Using the mouse wheel, it is possible to zoom in and out in the map
- Mouse hover a geographical area to display, at the bottom of the map, the name of the geographical area, the observation value and potential flag:

Legend
- ≥ **34 252** to 1 187 407
- ≥ 1 187 407 to 3 788 850
- ≥ 3 788 850 to 6 834 326
- ≥ 6 834 326 to 10 397 818
- ≥ 10 397 818 to 38 900 819
- ≥ 38 900 819 to **84 147 318**
- Data not available

Romania : 19 122 059 (e : estimated)

eurostat

Leaflet | Administrative boundaries: ©EuroGeographics ©UN-FAO ©Turkstat, Cartography: Eurostat - GISCO, 2019

- Click on any geographical area. A table is displayed allowing to compare the observation values between the selected geographical area and other geographical areas, grouped by classes.

  Close the table with the [X] close icon located in the upper right area of the table.

- To move the map in any direction, left-click on the map, keep the mouse button pushed, move the mouse in the desired direction, then release the mouse button
- Click on a class in the **legend** to highlight in blue all geographical entities belonging to that class:
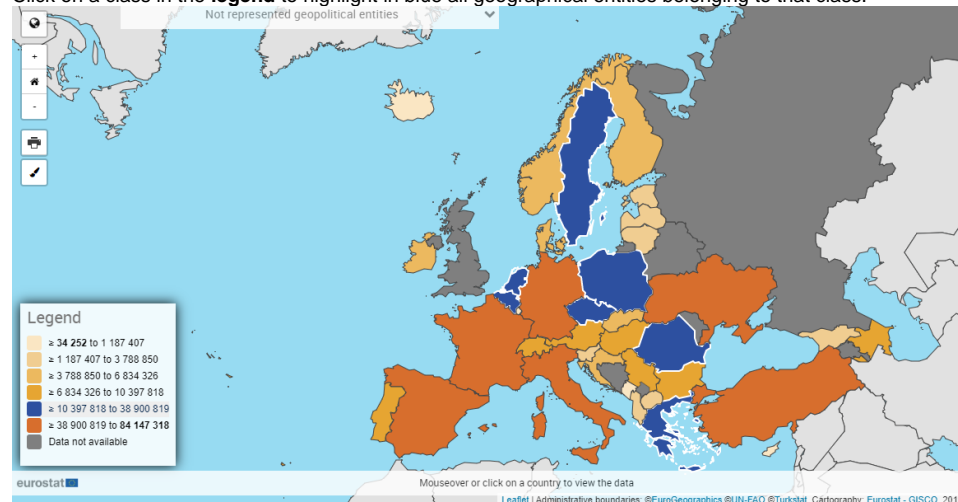
- When the dataset refers to NUTS-related data, and if a NUTS level (NUTS 1, NUTS 2 or NUTS 3) is currently selected, an additional dropdown list appears under the NUTS level selector:

Geographical level (NUTS version): NUTS 3 regions (2021)

  Using this dropdown list, you can select the version of the NUTS to be used in the map. By default, the most recent version of the NUTS is selected. For more information on NUTS versions, see this page).

⊘ If you select only **Aggregates** positions in the Geographical dimension, the Map visualisation won't be able to render itself. In this case, the following message may appear: **Data cannot be viewed on a map. Geographical entities are not selected or cannot be represented. Please go to selection or modify filter**.

If this message appears, select at least one non-aggregate (Country, NUTS 1, NUTS 2 or NUTS 3) position to display the map and remove the error message.

Format options

Click on **Format** (in the **Actions** area) to set the different format options of the map.

General options

| Labelling ❓ | | | | Decimal symbol ❓ | Thousands symbol ❓ | | Flags ❓ |
| labels | codes | codes and labels | dimension specific ⚙ | dot (.) comma (,) | comma (,) dot (.) blank space none | | show hide |

Map options

| Data presentation | Show data ❓ | | Data displayed | | Show data labels | Legend type |
| choropleth circles | selected data complete with previous | | highlighted summary selected | | none only flags | list gradient |

| Classification method ❓ | | Amount of classes ❓ | | Colour scale |
| quantile equal intervals custom intervals | | 2 3 4 5 6 7 8 9 10 11 12 | | default monocolour contrasted |

| Geographical level | | | NUTS version |
| Countries NUTS 1 regions NUTS 2 regions NUTS 3 regions | | | 2021 2016 2013 2010 2006 |

Time frequency [freq]: **Annual [A]** | **Geopolitical entity (reporting) [ge...** (Multiple positions)** ⇄ **Time [TIME]: (Multiple positions)** |

Demographic indicator [indic_de]: **Population on 1 January - total [J...**

ⓘ Labelling options, Decimal symbol options and Thousands symbol options are described on this page.

Flags options

- **Show** (default value): When hovering a geographical area, flags are shown in the tooltip under the map:

Romania : 19 122 059 (e : estimated)

- **Hide**: Flags are hidden:

Romania : 19 122 059

Classification method

This provides information about the map classification for the currently displayed map (Quantile in the provided example):

- **Quantile**: Each interval contains the same amount of observations
- **Equal intervals**: Each interval has the same size
- **Custom intervals**: Each interval's size limits are customizable by dragging the cursor to the desired value. Alternatively, you can set the new limits in the popup which is displayed when clicking on one of the limit points:

Custom interval

Limit min:**34 252**

Limit 1: 1187407 ⬍

Limit 2: 3788850

Limit 3: 6834326

Limit 4: 10397818

Limit 5: 38900819

Limit max:**84 147 318**

⟳ Reset to Quantile

Cancel   Save

When first accessing this window, the default limit values are the ones defined in Quantile.

When setting new limits, in case there are more than 1, they cannot be lower than the previous or greater than the next. Otherwise, an error is displayed:

Custom interval

Limit min:**34 252**

Limit 1: `1187407600` The range limit doesn't fit
Limit 2: `3788850500` The range limit doesn't fit
Limit 3: `6834326`
Limit 4: `10397818`
Limit 5: `38900819`

Limit max:**84 147 318**

↻ Reset to previous values
↻ Reset to Quantile

Cancel   Save

In case the value limits have been previously modified, a new button is available, which will set the values to the previous ones:

Or alternatively, you can set the default quantile values by clicking on blocked URL button.

Amount of classes

Amount of classes sets the amount of classes to be used, with a minimum of two and a maximum of twelve.
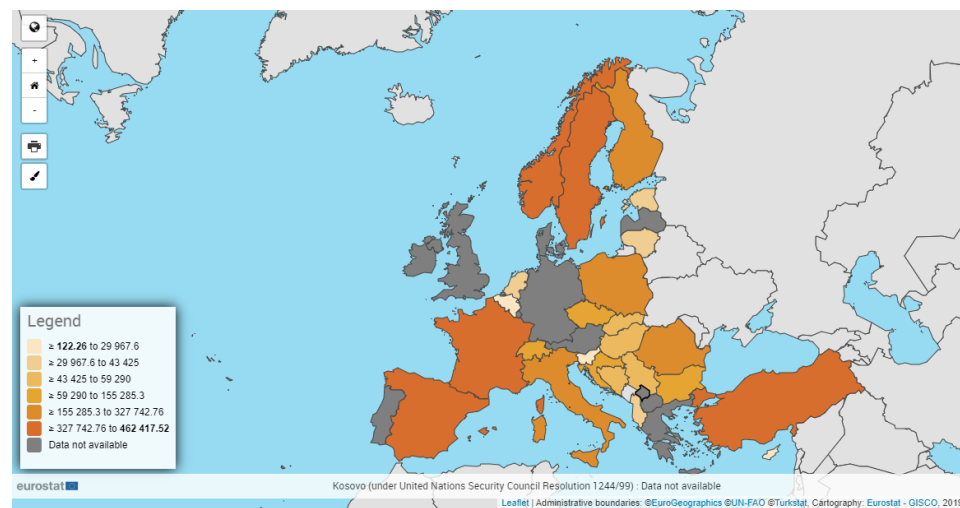
Amount of classes ❓

2 3 4 5 6 7 8 9 10 11 12

Series attributes options

Some datasets contain a **series attribute**. This attribute provides additional information, like:

- TARGET: Objective to reach
- LTAA: Long-Term Annual Average

When displaying such dataset in a Map, the series attribute will be visible in the tooltip, placed at the bottom of the map, which is displayed each time the user moves the mouse over a geographical area. Example:

Legend
≥ **122.26** to 29 967.6
≥ 29 967.6 to 43 425
≥ 43 425 to 59 290
≥ 59 290 to 155 285.3
≥ 155 285.3 to 327 742.76
≥ 327 742.76 to **462 417.52**
Data not available

eurostat
Kosovo (under United Nations Security Council Resolution 1244/99) : Data not available
Leaflet | Administrative boundaries: ©EuroGeographics ©UN-FAO ©Turkstat, Cartography: Eurostat - GISCO, 2019

Show data options

By default, the Data Browser displays the data in Map corresponding to the currently selected position in the selector above the Map:

However, the "Show data" selector provides to the user another way to manage the situation where a statistical data is missing for a specific position (for example, a specific year):

The available options are:

- **Selected data** (default value): the Map will only display the data related to the position selected in the selector above the Map
- **Complete with previous**: if possible, the Map will display the data related to the position selected in the selector above the Map. If no data is available, previous data will be used (see example below)

> ⊘ This selector is not available if there is no Time dimension in the dataset

Example

The example is based on the following settings:

- Dimensions layout:

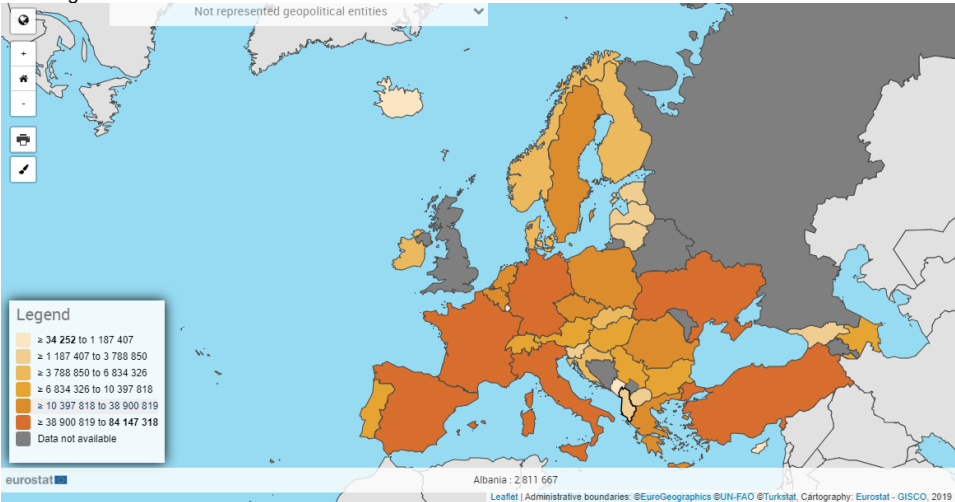- Selected year (in the selector above the Map): 2019
- **Show data** selector is set to **Complete with previous**

The Map will display, for each selected **Geopolitical entity** position (= each geographical area in the map):

- If statistical data is found for 2019: when hovering (with the mouse cursor) on the geographical area, the tooltip under the Map will be the following:

- If statistical data is not found for 2019:

- Either statistical data, for this position, is available **before 2019 (among the positions selected by the user in the Series dimension)**. In this case, when hovering (with the mouse cursor) on the geographical area, the tooltip under the Map will also mention the previous time position to which the represented statistical data is referring (2018 in the example):
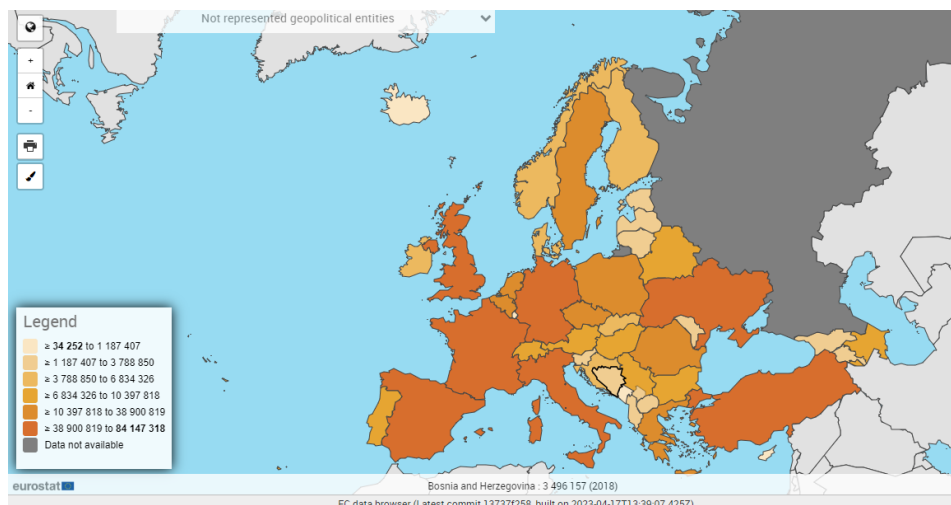

In this case, there was no statistical data available for Bosnia and Herzegovina in 2019, but there was statistical data available in 2018.

> ⓘ In this case, a warning message appears above the Map: **"Warning! The chart currently displays data related to more than one time period! Click here to see the list of exceptions"**. Clicking on this message displays a modal which lists all the positions for which previous data was used.

- Either statistical data, for this position, is not even available before 2014 (among the positions selected by the user in the **Series** dimension). In this case, the geographical area will have a gray background, and the tooltip (which appears when hovering with the mouse cursor on the geographical area) will be:
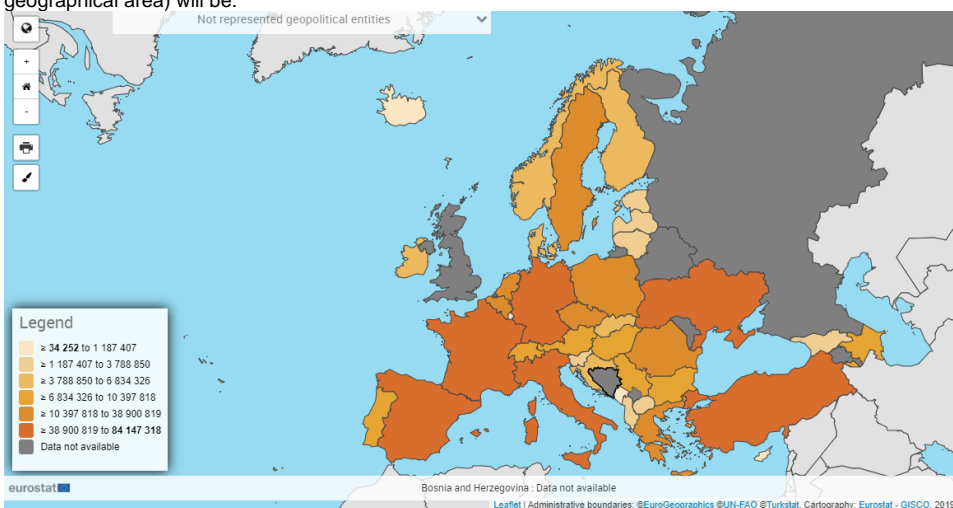
Print maps

Depending on the web browser used, it may be necessary to fine-tune some settings (see below).

Once these settings are set (if applicable), printing map is triggered when clicking on 🖶
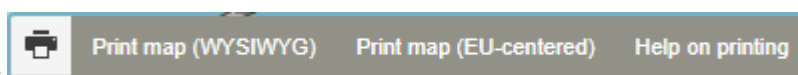
Select then a perspective:

For best printing results, please refer to the user manual of your browser and your printer.