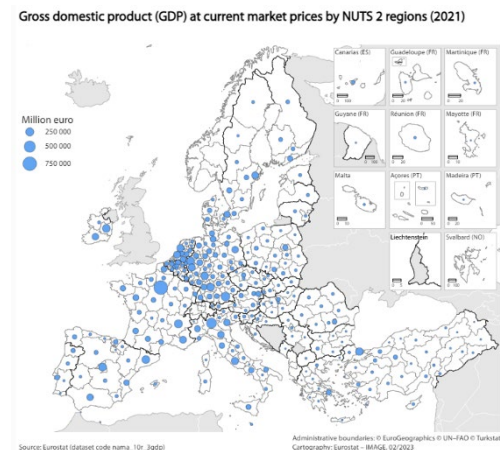


## Exercise 9 –Proportional symbol maps


Input Data: Direct from Eurostat database

Expected Outcome: This exercise will show how to create a map using proportional symbols.

Proportional symbol maps are best used when the value is a total, amount, volume. Rather than something that is a proportion, rate, per capita



Tasks:

- 1) Start Image at <https://gisco-services.ec.europa.eu/image> in your Browser. (If in IMAGE already, refresh using F5)
- 2) If IMAGE is already open, **Reset the map by pushing F5 or the**  **RESET MAP** icon
- 3) Now lets add some data, for this example choose one of the popular datasets, Gross domestic product (GDP) at current market prices by NUTS 3 regions. In the Unit of measure, choose “Million euro (MIO\_EUR”, for the year, leave 2021, and switch to NUTS1. – Notice the warning the tool is giving

Select data source

Data source ☒ Eurostat database ☐ Upload your own data

Select dataset

Find datasets by: ☐ Search ☒ Popularity ☐ NUTS coverage

Select from a list of popular datasets: Gross domestic product (GDP) at current market prices by NUT... ▼

Apply filters ▼

Unit of measure Million euro (MIO\_EUR) ▼

Period of time 2021 (2021) ▼

NUTS level ☐ NUTS 0 ☐ NUTS 1 ☐ NUTS 2 ☒ NUTS 3

Notice that by default the tool will display a standard choropleth map. The dataset however as a default is in millions of Euros, so a proportional circle map may be better. Go to



and choose Proportional symbol map

- 4) Examine the map in the preview window. There are lots of places which don't have a symbol due to lack of data for the year 2021. Go back to add data and try some different settings. Let us see if there is more data for 2020. Switch the period of time to 2020, and you'll see more data now appears.
- 5) At NUTS3, the map looks a bit too cluttered. It might look better at a lower NUTS level such as NUTS1 or NUTS2. Go back to add data and switch the NUTS level. Try switching back to 2021 to see if there is better NUT1 or NUTS2 coverage

Apply filters ▼

|                 |  |
|-----------------|--|
| Unit of measure | Million euro (MIO_EUR) ▼   |
| Period of time  | 2021 (2021) ▼  |
| NUTS level      | <input type="radio"/> NUTS 0 <input type="radio"/> NUTS 1 <input checked="" type="radio"/> NUTS 2 <input type="radio"/> NUTS 3 |

- 6) Switch between NUTS1 and NUTS2, and choose which is best.
- 7) First the title still says NUTS3. Go into **A EDIT TEXTS** and change the title to reflect the NUTS level chosen. In this case NUTS2.
- 8) The map looks better, the legend however is a bit arbitrary. Click on map type,

MAP TYPE

, at the bottom it is possible to set the legend values. Choose some appropriate values and enter them into the Legend values box, for this example we add 250000, 500000, 750000. But it is possible to add more values, or reverse the order to 750000, 500000, 250000 to reverse the legend order.

Advanced settings

|                 |                 |                                      |
|-----------------|-----------------|--------------------------------------|
| Min data value: | Max data value: | Legend values (separated by commas): |
| 1335            | 764844.01       | 250000,500000,750000                 |

- 9) Now the map is finished. It is possible to change the symbol being used, the colour and the opacity. Experiment with different shades, sizes and shapes.

