

IMAGE Help File

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What is IMAGE?

IMAGE is a web-tool used for the production of Thematic Maps for a pre-defined map extent of the EU/EFTA/Candidate Countries using NUTS boundaries and Statistical regions. Additionally a global maps as well individual European countries are also available. The tool enables the production of professional, statistical maps for publication in print and online. The legacy name of IMAGE comes from the **IN**teractive **MA**p **GE**nerator

<https://gisco-services.ec.europa.eu/image/>

Note that customised maps showing specific regions, graphs and bespoke colours cannot be made with the default templates in IMAGE. For these customisations we recommend to use editing software such as Inkscape, or contact Eurostat [user support](#)

IMAGE is not intended for advanced web mapping. For these purposes, please use DG COMM's [Webtools](#) MAP component. These tools are only available to European Institutions websites.

Browser Recommendation

IMAGE is designed to work on all browsers but has been optimised for use with Microsoft Edge, Google Chrome and Mozilla Firefox.

Navigating IMAGE

On start-up, IMAGE consist of 3 panes. The left sidebar (1) contains all the menu items, where it is possible to navigate to and from any item, in any order, during the creation/editing process should the user wish to make any changes. The second pane (2) contains the options for the selected menu option. Panel 3 contains a preview of the map that is being created, as well as an option to preview a histogram of the data or the data itself in the form of a table. A Login (4) is available for users with an ECAS account, this enables access to a number of Logos to use on the map.

The screenshot displays the IMAGE interactive map generator interface. The interface is divided into three main panes:

- Panel 1 (Left Sidebar):** Contains menu items for navigation and editing, including 'SELECT TEMPLATE', 'SELECT MAP TYPE', 'SELECT COLOUR SCHEME', 'EDIT CLASS BREAKS', 'EDIT TEXTS', 'MAP LABELS', 'ADDITIONAL SETTINGS', 'DOWNLOAD MAP', 'EDIT EXISTING MAP', 'RESET MAP', and 'HELP'.
- Panel 2 (Middle):** The 'Add Data' section, featuring a 'Data source' selection (Eurostat database or Upload your own data) and a 'Select dataset' section with a search bar and options for 'Search', 'Popularity', and 'NUTS coverage'.
- Panel 3 (Right):** The 'Map view' section, showing a map of Europe with a legend and a title 'Title not yet entered.' The legend includes categories like 'not yet specified' and 'Data not available'.

The top navigation bar includes 'Contact', 'Legal notice', 'Cookies', 'Privacy policy', 'Login', and 'EN'.

How do I create a new map?

The first step is to add some data. There are two options: loading data directly from the Eurostat database, or loading a csv/Excel file.

Adding data directly from the Eurostat database

There is a live link to the [Eurostat database](#). There are 3 options:

- **NUTS coverage.** Datasets can be filtered by NUTS level (Level 0 – National level to level 3 – the most detailed regional data). A % figure is given to illustrate how much geographical coverage that dataset has.
- **Manual search.** A dataset can be searched for either by typing in the name or a database code.
- **Popular datasets.** These are a small list of pre-chosen datasets that are frequently used to make maps
- **NUTS coverage.** Datasets can be filtered by NUTS level (Level 0 – National level to level 3 – the most detailed regional data). A % figure is given to illustrate how much geographical coverage that dataset has.

Note: Not all datasets have data at NUTS levels, and are therefore not suitable for mapping purposes

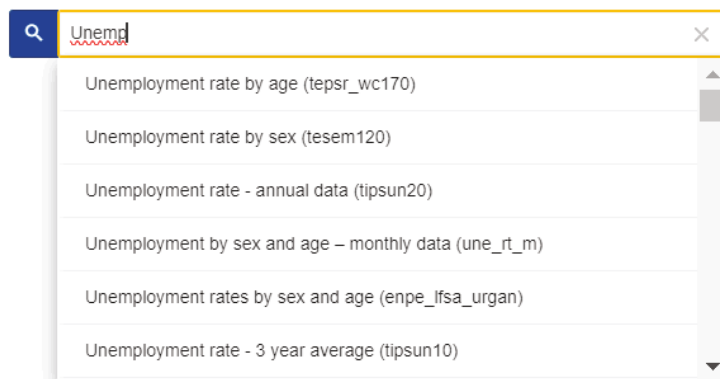
Select data source

Data source Eurostat database Upload your own data

Select dataset

Find datasets by: Search Popularity NUTS coverage

Search manually ⓘ



The screenshot shows a search bar with the text 'Unemp' and a magnifying glass icon on the left and a close icon on the right. Below the search bar is a dropdown menu with a scroll bar on the right. The menu contains the following items:

- Unemployment rate by age (tepsr_wc170)
- Unemployment rate by sex (tesem120)
- Unemployment rate - annual data (tipsun20)
- Unemployment by sex and age – monthly data (une_rt_m)
- Unemployment rates by sex and age (enpe_lfsa_urgan)
- Unemployment rate - 3 year average (tipsun10)

Once a dataset has been chosen, a list of all the possible parameters will be available. Note that any dataset can have multiple parameters. The map will automatically be updated based on the chosen parameters and the IMAGE default settings. Items such as map title will automatically be generated depending on the table selected. Other text will also be added such as the measurement unit, source, sub titles and notes. **Please ensure to check the map texts, longer texts may need to be refined to fit correctly.**

When adding data directly, the tool will try and suggest the type of map to be used based on the type of measurement unit or aggregate from the database. A warning will be displayed accordingly as seen below. If it is visible, it is suggested that a Proportional circle map would be the best approach rather than the default choropleth maps (See Map Types)

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:

Apply filters ▼

Unit of measure
Warning: the unit currently selected is suitable for proportional symbol maps. If you wish to use this unit please change the map type.

Period of time

NUTS level NUTS 0 NUTS 1 NUTS 2 NUTS 3

Dataset (nama_10r_3gdp) add-data.last-updated: 21/02/2023 10:00:00

Add data via Excel or Comma separated file (CSV)

The second option for adding data into IMAGE is via an Excel file or csv. This should be a **simple excel file or csv** and the structure should consist of only two columns in the data sheet - the first with the **NUTS codes**³ or **Country Codes**⁴ and a second column with the corresponding **values**. Example files are available for download in IMAGE – they can be found by here [example one](#), [example two](#), and a [Worldmap map example](#).

	A	B
1	NUTS	Value
2	BE100	31.5
3	BE211	30.5
4	BE212	30.5
5	BE213	30.0
6	BE221	30.3
7	BE222	30.1
8	BE223	30.2
9	BE231	30.2
10	BE232	30.0

Note that if the application finds a sheet anywhere in the source excel file with the name "Data" or "data", it will take this sheet.

Once the data is loaded the map will automatically be generated with default class breaks and the default colour scheme. No map texts will be added, these will need to be added at a later stage as required.

³ For more information on NUTS, please refer to <http://ec.europa.eu/eurostat/web/nuts/background>. The full list of NUTS codes can be found at http://ec.europa.eu/eurostat/ramon/index.cfm?TargetUrl=DSP_PUB_WELC.

⁴ ISO Codes EU/EFTA/CC statistical regions level 0 and in other cases the UN-FAO GAUL dataset https://en.wikipedia.org/wiki/ISO_3166-1_alpha-2

Selecting a map template?

IMAGE has a number of predefined map templates:

Select Template <

Select from a range of pre-defined map templates. There are 3 geographic extents to choose from: European, global or country-specific.

NUTS 2021

A4 EU	A4 EU CC EFTA & ...	Social media	Social media
EU member countries	EU, EFTA, CC & UK	No overseas NUTS regions	With overseas NUTS regions

NUTS 2016

A4 EU	A4 EU CC EFTA & ...	Social media	Social media
EU member countries	EU, EFTA, CC & UK	No overseas NUTS regions	With overseas NUTS regions

Specific country templates

Specific country
Choose specific country

Countries 2021 templates

World map
Countries (whole world)

- EU (template covers the EU member countries, these are suitable for print publications)
- A4 EU CC EFTA (covers the EU, Candidate and EFTA countries, these are suitable for print publications)
- Social media (This is a template designed for the web and social media, which excludes/includes the overseas regions of the EU. **This is the default template**).
- World Countries – this template is a world map, The input file for this template requires two character country ISO codes – an example is available in the help section
- Country specific templates – a layout dedicated to individual countries of the EU, EFTA and Candidates countries

Users need to be aware which reference period (e.g. NUTS year) their data refer to For example using data for NUTS 2016 with a NUTS 2021 template will mean that some data will not be displayed due

to code changes⁵. This issue can be identified if there are grey areas displayed after the data is added. The simplest way to check this is visually. Grey areas in Belgium, Croatia, Estonia, Italy (specifically Sardinia), or Norway indicate this. Try switching the equivalent template for the alternative NUTS version.

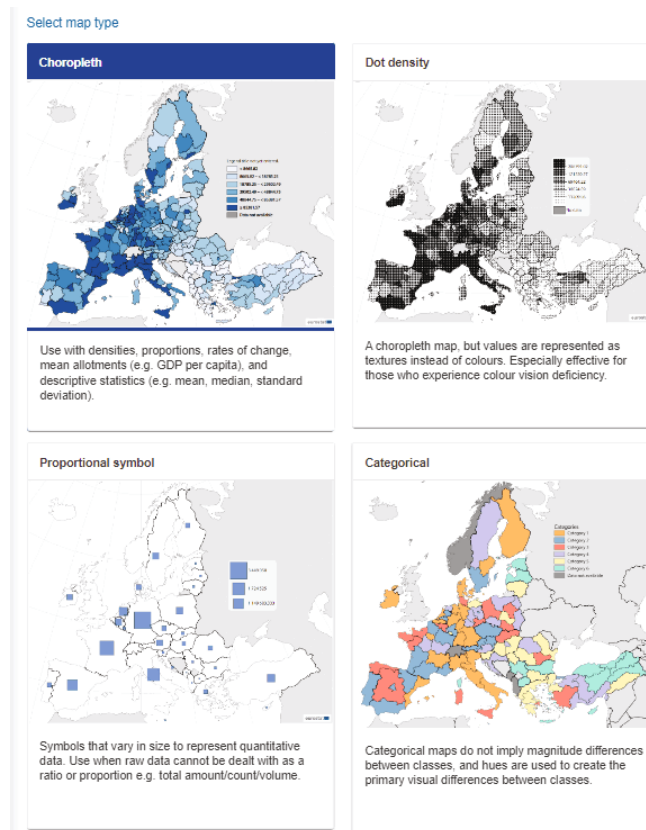
Templates for individual countries are also available to support the work of European Institutions country desk officers. Users have the possibility to restrict any displayed data to the selected country or include neighbouring countries data. For the second option of including neighbouring country data, these need to exist in the input file.

I want to change my input data ?

The source data file can be changed at any point in the map creation process. Simply select **Add data** and navigate to and upload your new excel file or alternative data table or data table parameter. The changes will be updated in the map immediately. Note however that the class breaks may need to be recalculated if user defined breaks had been set rather than equal intervals.

⁵ <https://ec.europa.eu/eurostat/web/nuts/history>

Selecting a map type?



There are four types of map available in IMAGE:

- **Choropleth maps:** These are the most common maps, and should be used to display values with proportions, densities, rates of change. For example GDP per capita, Unemployment rate, Population Change;
- **Dot Density:** These are a different style of Choropleth map, and give a more textured feel to the map which may be beneficial for those with any colour vision deficiency(CVD);;
- **Proportional symbols:** Symbols that vary in size to represent quantitative data, such as a total amount, volume, count. E.g. Tonnes of Wheat produced, Total Births;
- **Categorical maps:** These work the same way as Choropleth maps, but have different colour choices available, these should be used when the value represents a category, e.g. 1 = Wheat, 2= Barley, 3 = Maize.

Note: The choice of map type will impact the menu items available, for example the “SELECT COLOUR SCHEME” and “DEFINE CLASS BREAKS” will not be available if Proportional symbol maps are chosen.

Adding text to your map

The size font and location of the text has been predefined according to the Eurostat Style guide⁷. All the fields below need to be edited. Any text can be removed by deleting the content of the field. IMAGE expects every map should however have a title. Be aware that there is limited space for text, the tool will allow some text to flow over multiple lines but the user should aim to keep any text concise.

Edit map texts <

Main title **Font size: 18 px**

The main title of your map.

Subtitle **Font size: 17 px**

Subtitle located right beneath your main title.

Legend title

Percentage

Will be displayed above the legend.

Footnote

All ISCED 2011 levels , Total, From 15 to 64 years

Give additional information as footnotes.

Source

Source: Eurostat (dataset code lfst_r_lfe2emprtn)

Provide information from where the data originates.

Some elements of text on the map cannot be edited such as the Cartography, copyright and disclaimer statement and **are required for legal purposes**. Please do not remove them manually.

Selecting a colour for your map

If a choropleth map has been selected, the next step is to select a colour scheme. Two types of colour scheme are available, sequential and diverging palettes. Colours are derived from [Colorbrewer](#) and the Eurostat style guide.

⁷ <https://ec.europa.eu/eurostat/publications/style-guides>

Select colour scheme

Select scheme type

Sequential

Diverging

Reverse colour scheme

Select scheme

Single-hue

Blues

Greens

Greys

Oranges

Purples

Reds

Multi-hue

Viridis

Cividis

Blue-Green

Blue-Purple

Green-Blue

Orange-Red

Purple-Blue

Purple-Blue-Green

Purple-Red

Red-Purple

Yellow-Green

Yellow-Green-Blue

Yellow-Orange-Brown

Yellow-Orange-Red

Eurostat style guide

Palette A

Palette B

Palette C

Cornflower

Cobalt

Dark orchid

Fuchsia

Berry

Sunset red

Sienna

Dark Gold

Forest Green

Teal

Select colour scheme

Select scheme type

Sequential

Diverging

Reverse colour scheme

When using diverging colour schemes, please make sure that the midpoint of the scheme is meaningful, for example negative values, or to distinguish between increase and decrease. If this is not the case then please use a sequential [color brewer](#) guidelines.

Select scheme

Pink-Teal

Brown-Green

Pink-Green

Purple-Green

Purple-Orange

Red-Blue

Red-Yellow-Blue

Palette B / Palette A

Palette B / Palette C

Regional Yearbook (old)

Orange and Blue

Lilac and Blue

Orange and Turquoise

A sequential scheme may be more intuitive when showing values that go from low to high. This applies for example to Unemployment rate, GDP per capita and similar.

Before using a diverging scheme, the user should think carefully if this is appropriate. As a general principle, a diverging scheme should be used around a meaningful mean value, examples include

- Below and above zero e.g. Population growth
- An index of 100 – e.g. Purchasing Index
- A reference value stated in a legal act or policy document
- An EU average if critical/meaningful value (All datasets have an average but this does not make it a meaningful one)

A practical example is the Population Density per NUTS region, which would suit a sequential colour scheme. In contrast, the rate of Population change would suit a diverging scheme – to identify areas where the population is growing vs areas where it is shrinking.

If using a diverging scheme, the meaningful value should be labelled in the map e.g. in the map legend.

Some general principles to use on statistical cartography are available in the following [lecture](#)

Classifying the map data

By default, IMAGE applies class breaks based on the data in your excel file using the Quantile method. Jenks (natural breaks), Equal interval and User defined class breaks are additionally available. Additionally it is possible to change the number of classes and to change the class breaks to user defined ones. The label texts which will appear on the map can be adapted for all three classification options. By default, the tool uses less than (<) in the class breaks. By ticking the box marked "include" this will be changed to less than or equal to (<=).

Define class breaks <

[Data information](#)

Minimum value: 39.1
 Maximum value: 89.9
 EU (EU27_2020): 69.9

[Select classification method](#)

Method: Quantile Jenks Equal intervals User defined

[Choose number of classes](#)

Number of classes:

[Define class break values](#)

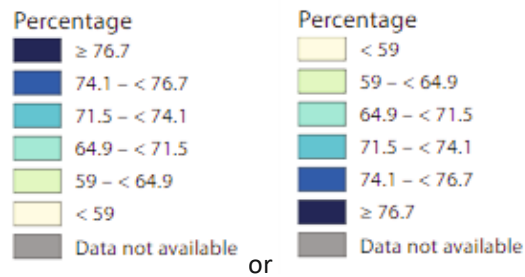
Include value in class	Break values	Legend labels
<input type="checkbox"/>	59	< 59
<input type="checkbox"/>	64.9	59 – < 64.9
<input type="checkbox"/>	71.5	64.9 – < 71.5
<input type="checkbox"/>	74.1	71.5 – < 74.1
<input type="checkbox"/>	76.7	74.1 – < 76.7
		≥ 76.7

Show legend in descending order

Display no data legend item

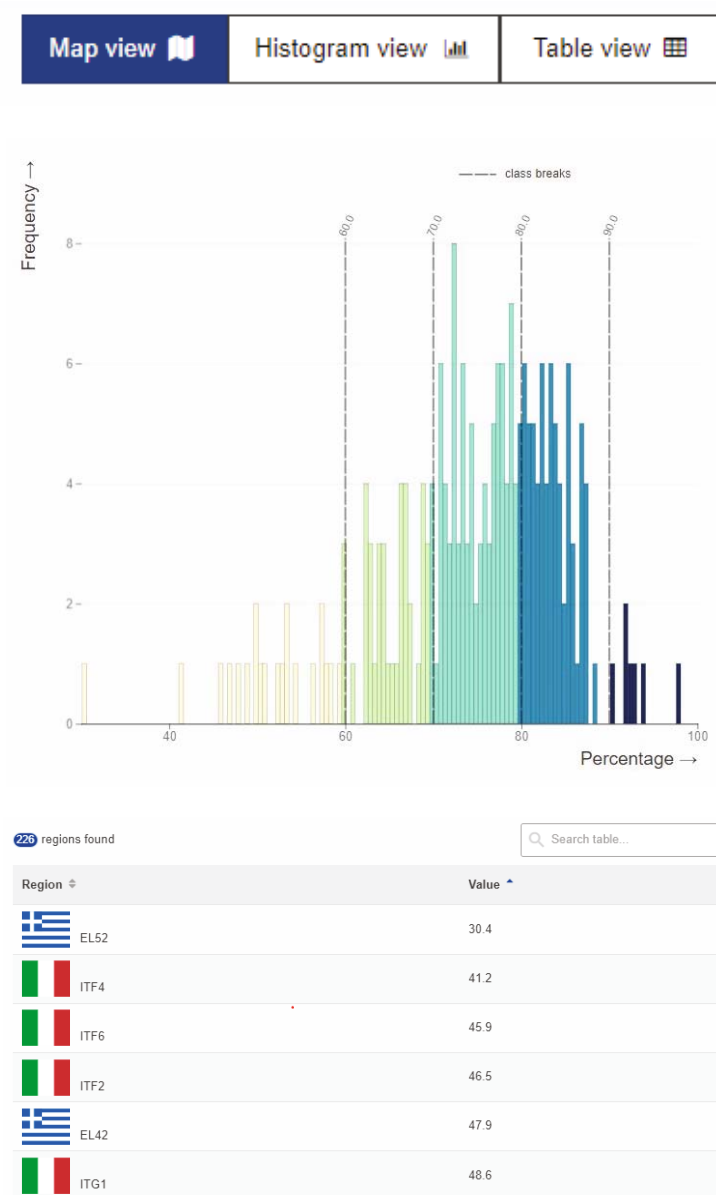
As shown in the above example, the left-hand column shows the statistical value that will be used to classify the data. The right hand column is the text that will be displayed on the map; this can be either numeric values or text. The "Data not available" field can be turned off so that it does not appear in the map legend. Please note however that any no data regions on the map will still be shown (in dark grey) if there is a record in the input file.

The legend order itself can also be reversed, as a default the highest class will be shown first in the actual map legend. This can be reversed as desired as shown below:



Histogram and table view

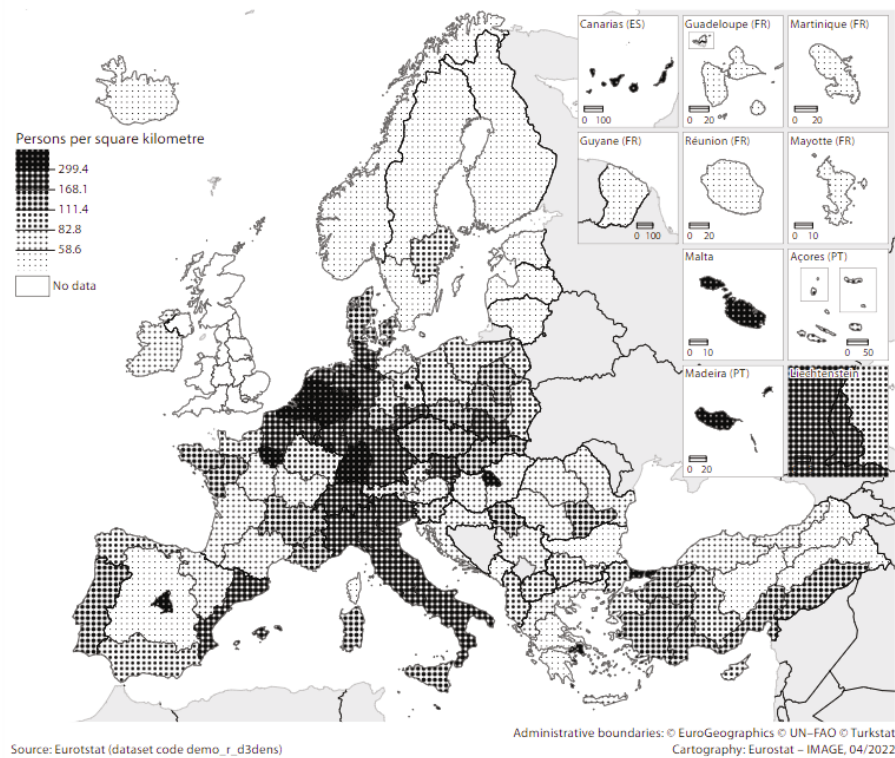
Once a dataset has been loaded, it is possible to view a histogram of the data distribution and a table with the data. The table can be searched by the respective NUTS or Country code.



Dot Density Maps

Dot density maps work in much the same way as Choropleth maps, but instead of using colours to highlight regional variations, it is achieved via textures such as cross hatching. The class breaks are set in the same way as a standard choropleth map. The main difference is in the style and colours

Population density by NUTS 3 region (2019)



ec.europa.eu/eurostat 

Dot density map settings

Dot shape:

- Circle
 Square

Background colour:



Dot colour:

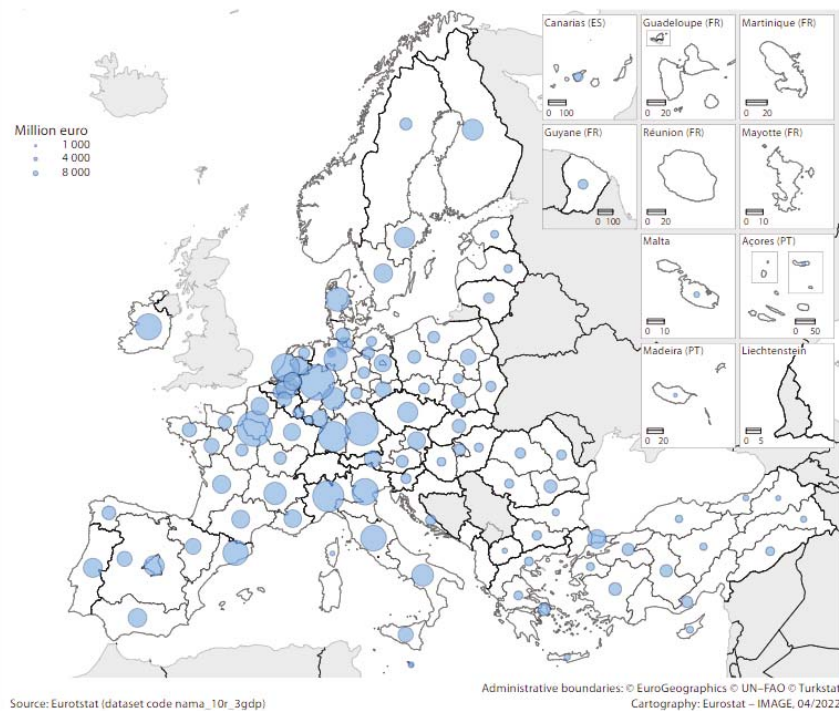


In the setting one can change the style from square to circle, the colours used for the background and the dots/hatching. The legend style differs from a choropleth map

Proportional circle Maps

These map types use symbols that vary in size to show quantitative data. These maps should be used when the data is a total/count/volume e.g. the Total number of life births per region, Tonnes of Wheat, number of hospital beds. Owing to the number of regions at NUTS3 level, it is not advised to display proportional symbols for NUTS3 data.

Gross domestic product (GDP) at current market prices by NUTS 3 regions (2020)



ec.europa.eu/eurostat

In IMAGE the settings used for symbol maps are visible in the 'MAP TYPE' menu

Proportional symbol settings

Symbol shape: **1** Circle

Max symbol size: **2** 20

Max symbol size: **3** 1

Symbol colour: **4** [Blue]

Symbol opacity: **5** 1

Advanced settings

Min data value: **6** 1335

Max data value: **7** 764844.01

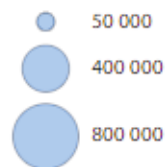
Legend values (separated by commas): **8** 200000, 500000, 800000

1. Symbol shape: Choose from a number of predefined symbols, it is also possible to add a simple SVG marker symbol
2. Min symbol size: This will be the size of the symbol for the minimum value of the dataset, on the example above, the value 1168.64 is the minimum value and will have a size of 1 point.

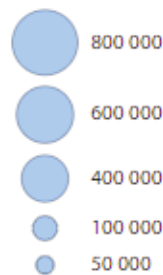
3. Max symbol size: This will be the size of the symbol for the maximum value of the dataset, on the example above, the value 710090.66 is the minimum value and will have a size of 30 points. Both the maximum and minimum symbol size can be adjusted.
4. Symbol colour: The colour used for the symbol is by default blue, this can be changed
5. Symbol opacity: The symbol is by default slightly transparent, the level of transparency can be adjusted. This is especially of use when symbols overlap.

Advanced settings

6. Max data value: The highest value in the dataset
7. Min data value: The lowest value in the dataset
8. Legend values: Here the size of the symbols used in the map legend can be defined manually, each entry should be separated by a comma, e.g. 50000, 400000, 800000



Multiple values can be entered and can be in descending or ascending order. For example entering “800000, 600000, 400000, 100000, 50000” would result in a larger and reversed legend.



Making multiple proportional symbol maps

There may be use cases where several symbol maps could be made for the same type of indicator over several years or type of value. For example GDP per NUTS region in 2016 and in 2020. As mentioned above the symbol size is determined by the minimum and maximum values.

GDP per NUTS 1 in 2020 vs 2016

[Advanced settings](#)

Max data value:	Min data value:
685817.13	1368.28

Advanced settings

Max data value:

Min data value:

The maximum and minimum values are different as seen above for the different years. Therefore in 2016 a value of 685817.13 has symbol size of 30, while the same symbol size in the 2020 has a value of 710090.66. It does not make sense in this context as the same size symbol can mean different values when the indicator is the same.

To that end it is possible to put in a dummy minimum and maximum value to ensure that the same size symbol equals the same value across multiple maps. To do this, find a minimum and maximum value that encloses both datasets. In this case changing the values to the below, this will ensure that the same value has the same size in both version of the map.

Advanced settings

Max data value:

Min data value:

Categorical Maps

Categorical maps should be used where the data is assigned to distinct categories, rather than a different amounts. Colours therefore represent distinct categories

Categorical map examples
Most common crop produced per region
Is a region Urban/Rural
Is a country in the European Union/EFTA/Candidate
Which party/grouping won the most votes in a region?

In IMAGE, each category you wish to map needs to be assigned an interfere value. For example

1 = Urban

2= Intermediate

3 = Rural

In IMAGE, set the classification to manual, set the number of class breaks to the same as the number of unique values, in this case three. Tick the boxes under "Include value in class"

Choose number of classes

Number of classes: 3 ▾

Define class break values

Include value in class	Break values	Legend labels
<input checked="" type="checkbox"/>	2	2 - < 2
<input checked="" type="checkbox"/>	1	1 - < 2
		< 1

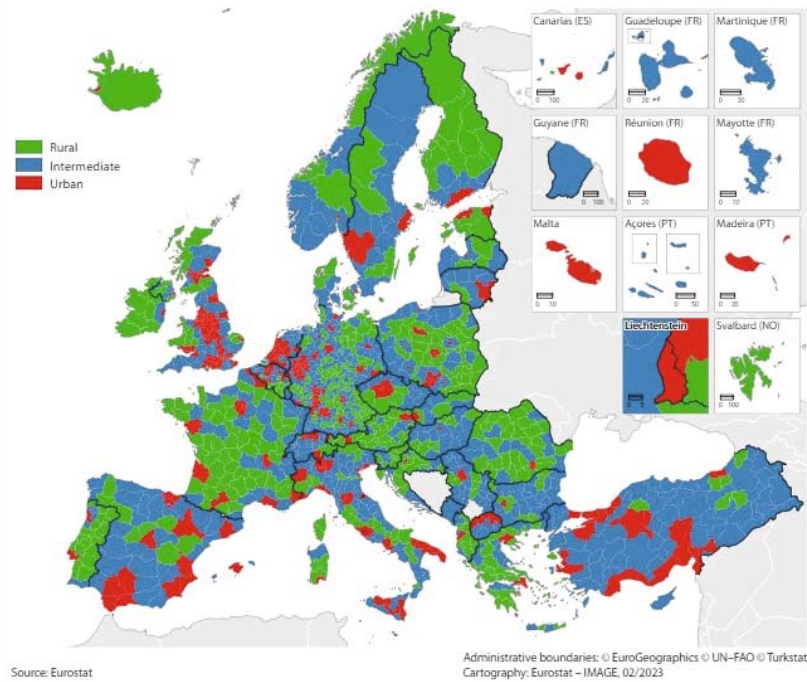
The values displayed for Legend Values can be inputted

Define class break values

Include value in class	Break values	Legend labels
<input checked="" type="checkbox"/>	2	Urban
<input checked="" type="checkbox"/>	1	Intermediate
		Rural

An appropriate colour scheme can then be chosen from the selection available. The colour selection is limited, however it is possible to download the SVG file then edit the colours

Urban Rural typology (NUTS3)



Labelling the map

A limited set of labels can be enabled. These include Country name, Country codes and sea names. Individual country names/codes can be toggle off or turned on/off as a group. Further customization with respect to labels should occur in professional map making software.

Select labels

Country names

Country codes

Seas

Select country type

All

EU

EFTA

Candidate countries

Select individual countries

<input checked="" type="checkbox"/> ALBANIA	<input checked="" type="checkbox"/> GREECE	<input checked="" type="checkbox"/> NORWAY
<input checked="" type="checkbox"/> AUSTRIA	<input checked="" type="checkbox"/> HUNGARY	<input checked="" type="checkbox"/> POLAND
<input checked="" type="checkbox"/> BELGIUM	<input checked="" type="checkbox"/> ICELAND	<input checked="" type="checkbox"/> PORTUGAL
<input checked="" type="checkbox"/> BULGARIA	<input checked="" type="checkbox"/> ITALY	<input checked="" type="checkbox"/> ROMANIA
<input checked="" type="checkbox"/> CROATIA	<input checked="" type="checkbox"/> IRELAND	<input checked="" type="checkbox"/> SERBIA
<input checked="" type="checkbox"/> CYPRUS	<input checked="" type="checkbox"/> LATVIA	<input checked="" type="checkbox"/> SLOVAKIA
<input checked="" type="checkbox"/> CZECHIA	<input checked="" type="checkbox"/> LITHUANIA	<input checked="" type="checkbox"/> SLOVENIA
<input checked="" type="checkbox"/> DENMARK	<input checked="" type="checkbox"/> LUXEMBOURG	<input checked="" type="checkbox"/> SPAIN
<input checked="" type="checkbox"/> ESTONIA	<input checked="" type="checkbox"/> MALTA	<input checked="" type="checkbox"/> SWEDEN
<input checked="" type="checkbox"/> FINLAND	<input checked="" type="checkbox"/> MONTENEGRO	<input checked="" type="checkbox"/> SWITZERLAND
<input checked="" type="checkbox"/> FRANCE	<input checked="" type="checkbox"/> NETHERLANDS	<input checked="" type="checkbox"/> TÜRKIYE
<input checked="" type="checkbox"/> GERMANY	<input checked="" type="checkbox"/> NORTH MACEDONIA	<input checked="" type="checkbox"/> UNITED KINGDOM

Note: Labelling is not available in the World and Country specific templates

Additional settings

A number of additional settings are also available, these include:

- Logo – choose between a number of logos for various EU institutions, or turn the logo off. **Note:** To access these the user must login with an ECAS account
- Scalebar – by default the scale bar is turned off
- Show Graticule – turns on/off lines representing lines of longitude and latitude
- Draw Coastal margin – draws a buffer around the coastline, the width can be configured and the colour changed
- Change Land/Sea colour – the colour of the sea can be changed
- NUTS0 border – the border color can be switched between black and white
- Dark theme – For use on Social media, emits less blue light, reduces eye fatigue

Additional settings

Logo

Show logo Choose logo: Eurostat

In order to add logos of EU institutions you must first log in with EU login.

Login

Scalebar

Show scalebar

Graticule

Show graticule

Sea settings

Draw coastal margin

Sea colour

Land settings

NUTS default land colour Non-NUTS land colour

NUTS0 border colour Black White

Dark theme

Dark theme

Downloading the finished map

The map can be downloaded in five formats – PDF, PNG, SVG, HTML, the XLS configuration file and all formats together in a single ZIP file. GISCO recommends the PDF output as this best conforms to the Eurostat Style Guide. If no filename is given then the tool will create a generic filename as a default.

Download map <

File name

Enter file name

This will be the file name of the downloaded map. File extension (.pdf, .png, etc.) will be added automatically. Leaving this empty will create a generic file name.

Select file type

Save the map configuration to continue working on this map later.

⚙️ Download configuration file

Save the map as PDF. Recommended for printing.

📄 Download as PDF

Save the map as PNG. Recommended if you just need a bitmap file.

🖼️ Download as PNG

Save the map as SVG. Can be edited with [Inkscape](#).

📄 Download as SVG

Export the HTML/JS code for the interactive map. Includes the [CDN tag](#) for eurostat-map

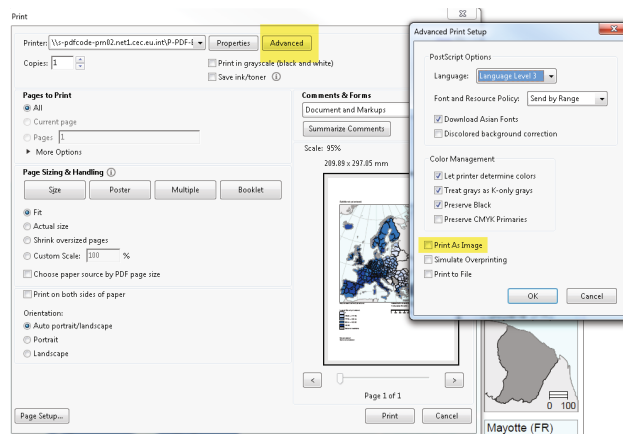
📄 Download as HTML

Embed font in HTML

Download all available file formats as a ZIP file. Please note: this can take some time.

📁 Download all

- 1) PDF is best for printing and publications. – NOTE: Certain multifunctional printers can have issues when printing a PDF. To solve any issues the PDF must be printed as an image via the advanced settings.
- 2) PNG is best for inclusion as static display on web pages.
- 3) An SVG file can be modified to provide some customisation via SVG editing software such as Adobe Pro and Inkscape at the user's own discretion. Inkscape is available from the EC Store for Windows 10 users. Non Windows 10 users will have to request installation from the IT helpdesk.



- 4) A HTML file which retains the interactivity and allows the user to hover over a region and see the name and statistical value. The output is generic and may require some adaptation depending on the specific website it will be embedded in. (The exported HTML file uses an external CDN in order to load the dependency used for generating the map (Eurostat-map.js). If for whatever reason you are not allowed to load dependencies from third-party sites then you can download the latest Eurostat-map.js build to your deployment directory from <https://unpkg.com/eurostat-map@x.x.xx> and change the following line in the HTML file from `<script src=" https://unpkg.com/eurostat-map@x.x.xx"></script>` to `<script src="./yourDirectory/eurostatmap.min.js"></script>`.)
- 5) It is also possible to download a map configuration file. With this you can recreate maps that have been made previously and update or adapt them later. This will be saved as an excel file.
- 6) Download all of the above formats in one zip file

Load an existing map

If you have previously made a map with IMAGE and saved the configuration file, then at a later time you can simply upload this file into IMAGE and your map will be remade automatically with your previously chosen selections. You can then apply any changes to the text, classes, colours that are needed and resave the file. In Excel it is possible to change the map texts before the configuration file is loaded and these changes will be reflected in the map. To do this open the configuration file in excel and select the “map-config” sheet. Afterwards adapt the respective cells in Column B.

	A	B
1	templateId	a4-efta-2016
2	numberOfClasses	6
3	classBreaksType	quantile
4	estatSchemeIndex	0
5	reverseColorScheme	FALSE
6	displayNoDataLegend	TRUE
7	selectedLogo	eurostat
8	mainTitle	Titleexample
9	subTitle	subtileexample
10	measurementUnit	measurmentunitexample
11	legendTitle	
12	dataSource	
13	footnote	
14	ClassBreakInfoStart	
15	classBreakValue	1,37
16	classBreakStrValue	1.37
17	legendLabel	< 1.37
18	isValueIncluded	FALSE
19	classLabel	
20	isReadOnly	TRUE

Troubleshooting

Add Custom colours:

IMAGE supports only a defined set of styles as defined by the Eurostat style guide⁹. To change colours, an editor must be used. For example Inkscape which is available at the EC Store can edit the colours in an SVG file. Alternatively, save the configuration file and contact the [GISCO team](#) for further processing/advice.

Data is not displaying: There could be a number of reasons the two most common:

A: The wrong NUTS version has been chosen, the data file maybe for NUTS 2016 therefore some regions may not display in a NUTS 2021 template. Simply switch between templates to see which is the most complete – NUTS 2021 differs from 2016 only in Belgium, Croatia, Estonia, Italy and the United Kingdom.

B: The data/excel file may contain spaces before or after the NUTS code or value – the TRIM function in Excel is recommended to remove these spaces

C: German NUTS 2 and 3 regions beginning with DEC can sometimes be automatically converted to a date so it is recommended to check these German region inputs i.e. from DEC06 to Dec-06, the latter code would not be read by IMAGE

How do I make the map in other languages?

Text such as titles, footnotes, legends can be inputted in any language. However the Cartography and Copyright are fixed as English. This can be edited in Inkscape or any other SVG or PDF editor

Displaying non EU/EFTA/Candidate Countries:

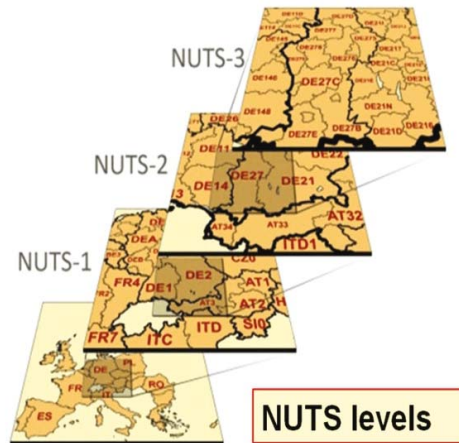
Data may be available for other Countries such as Bosnia and Herzegovina, at present, other than in the World map template only EU, EFTA and Candidate Countries can be displayed. For additional countries, contact the GISCO team.

⁹ <https://ec.europa.eu/eurostat/publications/style-guides>

Data Preparation

Whilst IMAGE accepts a simple input file, it is important that the input file codes and values are correct to get the best results.

NUTS levels can be mixed within the map, i.e. NUTS level 2 for Germany and NUTS level 1 for Belgium. Be aware that overlapping NUTS regions can be displayed, i.e. have a value for Germany at NUTS 0 and values for German NUTS3 regions. In this instance NUTS3 regions will always be drawn on top of the NUTS0 (country level) at the bottom. Be aware that certain areas (e.g. Mt. Athos) do not belong to the country of Greece.



Classifying data

It can be of benefit to classify the data instead of using values. For example, values below 30 can be classed as 1, values above 50 as 5. The data in the class column can then be replace those in the value column.

A	B	C	D	E
NUTS	Value	Class		
AT11	39.6	3 < 30.0		1
AT12	37.6	3 30.0 - < 37.5		2
AT13	37.9	3 37.5 - < 42.5		3
AT21	41.0	3 42.5 - < 50.0		4
AT22	40.2	3 ≥ 50.0		5
AT31	38.8	3		
AT32	42.0	3		
AT33	32.5	3		

It is recommended to not use the increase or decrease decimal tool in Excel. This can distort the statistical values

