
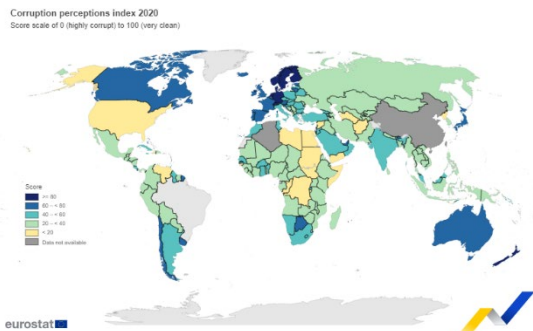



## Exercise 6: Create a world map

Input Data: Exercise6\input\Exercise6\_data.xls

Expected Outcome: We learn how to visualise country level data for a global map, how to deal with invalid/missing codes in the input file and add sea labels.

Tasks:

- 1) Start Image at <https://gisco-services.ec.europa.eu/image> in your Browser
- 2) If IMAGE is already open, **Reset the map by pushing F5 or the icon** 
- 3) Load the configuration file Exercise6\input\exercise6.xls. A world map like the above will be displayed with some dark grey and light grey values. 
- 4) Select map template and change from the World map template to the Digital template. Notice that the layout changes, but colours, texts and break points stay the same. Try other templates, it is possible to switch between templates at any time and retain the data and styles. 
- 5) Switch back to the World template. Notice several countries (e.g. China) are depicted in dark grey. This is the standard colour for “data not available”.


- 6) **Make a copy** of the input configuration file by opening the **Exercise6\input\exercise6.xls** in Excel and “save as” with a logic name in the exercise6\output folder.

	A	B	C	D	E
1	CNTR_ID	CPI2016	CNTR_NAME		
2	BRBR	40	Brazil		
3	CN		China		40
4	EG	-999	Egypt		34
5	US	0	United States		74
6	DZ	:	Algeria		34

- 7) Pay attention to the countries: USA (US), Brazil (BR), Egypt (EG) and China (CN).

**Remark** that both CN (valid code, but empty value), and DZ (valid code, double point : ) both show on the map as dark grey “data not available”

Note: Brazil is shown as light grey as the code is wrong<sup>1</sup> and thus it could not be depicted.


Greenland (GL) and some other countries are not coloured either as they are not even in the input data. You can easily get the codes for these countries by hovering with the mouse over the world map template. 

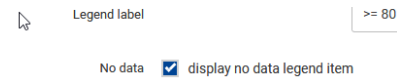
- 8) Correct the data as indicated in the screenshot on the right side, (You might add a row for Greenland (GL) and leave the value field empty). Save the file and load the excel as an existing map via:




	A	B	C	D
1	CNTR_ID	CPI2016	CNTR_NAME	
2	BR	40	Brazil	
3	CN	40	China	
4	EG	34	Egypt	
5	US	74	United States	
6	DZ	34	Algeria	

<sup>1</sup> Note: IMAGE has been designed to load data with empty rows and codes (like BRBR) which do not exist. The order of the rows does not mean anything as long as the code and values are valid.

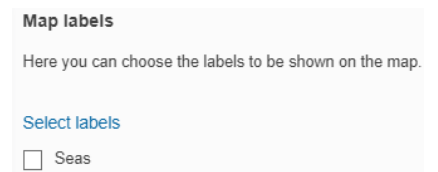
- 9) Remove “data not available (dark grey) from the legend. Go to  and uncheck the field for showing No data. (In case you added Greenland as ‘data not available’, leave the symbol in the the map legend)



- 10) After fixing the data issues please remove the now unnecessary Note ‘Data for training only...’. Do you remember how to fix that?

- 11) For the final touch to the map we would like to enable some sea labels. Add labels for the sea using the  button.

There are limited options in case you want to put in labels for seas and countries (e.g. on the world map it is only possible to add the Sea labels for the big seas.).



- 12) Finalize the exercise by saving the map as configuration, png and svg file. 