# Research and Development in the EU

Guideline on the use of Eurostat

### Country groups to analyse - Reminder

1. Northern
European Innovation
Leaders – Sweden,
Finland, Denmark

2. Baltics – Estonia, Latvia, Lithuania 3. Central European countries – Hungary, Poland, Czech Republic

4. EU big economies– France, Germany,Austria

5. Mediterranean countries – Italy, Portugal, Spain

6. Benelux countries– Belgium,Netherlands,Luxembourg

### Possible data sources

01

The MAIN source of data: EUROSTAT

02

But there are interesting facts in the yet unused parts of Horizon Dashboard

03

And there is always the possibility to check the countries' websites of their statistical offices or their official communications

04

This guideline covers EUROSTAT

### How to use Eurostat

	The main info on R&D can be found:	https://ec.europa.eu/eurostat/web/science-technology-innovation/overview  From here you can have access to: complete databases, selected tables, info on data, publications, methodology & legislation  You can get redirected to: countries' progress comparison, discovering business sectors, exploring statistical articles, statistics for regions & cities
	The main info on Europe 2020 can be found:	https://ec.europa.eu/eurostat/web/europe-2020-indicators  From here you can have access to: complete databases, selected tables, info on data, publications, reports, methodology & legislation  You can get redirected to: countries' progress comparison, discovering business sectors, exploring statistical articles, statistics for regions & cities
	Main tables are here:	https://ec.europa.eu/eurostat/web/science-technology-innovation/data/main-tables and https://ec.europa.eu/eurostat/web/europe-2020-indicators/europe-2020-strategy/main-tables
	Visualisations are here:	https://ec.europa.eu/eurostat/web/science-technology-innovation/visualisations

### Eurostat – Main info on R&D

### Available here:

https://ec.europa.eu/eurostat/web/sci ence-technology-innovation/overview

& this is what you see  $\rightarrow$ 

(although these slides show R&D info only, the logic is similar for Europe 2020 indicators)

Eurostat's own Guideline available

https://ec.europa.eu/eurostat/onlinehelp/first-visit/firstvisit en.html#/discoverGroup

A short summary of the available information that you can reach from this site

#### Science, technology and innovation - Overview

INTRODUCTION

#### Which information can I find here?

Eurostat' statistics in the fields of science, technology and innovation cover a range of issues divided into four main

- Research and development (R&D) includes statistics on expenditure, personnel and government budget allocations. for R&D. Data are available by performing and funding sectors, types of costs or economic activities.
- . Community Innovation Survey provides statistics about enterprises that have product and business process innovations, their strategies, knowledge management and innovation activities, as well as about factors that facilitate or hinder innovation ("innovation environment").
- . High-tech includes statistics on high-tech industries and products, high-tech trade as well as knowledge-intensive
- . Human resources in science and technology (HRST) includes statistics on the current stock of HRST and on the current and future supply of highly skilled persons.

These statistics measure the EUs performances on the global market and provide a comparative assessment of the relative strengths and weaknesses of national systems across the Member States You are redirected to a site where all R&D data is

> read more



the main tables, main data on R&D is available

### Visualisations

You are redirected to

#### HOHLIGHTS



#### Compare your country's progress

Do you know how R&D intensity has developed over the last years? What is the share of persons employed in this sector? Find out using our interactive line chart.



You are redirected to a site where Eurostat articles concerning R&D are available

You are redirected to a site on regional comparisons

#### Explore our statistical articles

You are not a 'data-type' person, but want to know more about these statistics? Then our articles in Statistics Explained are for youl



The visualisation tool 'Regions and cities illustrated' lets you easily explore science and technology statistics for your region or city using maps, graphs and bar charts.

#### DIRECT ACCESS TO

available



Complete database





Information on data



Publications



#### You are redirected to a site where Eurostat publications concerning R&D are available

#### **EXPLORE FURTHER**



#### Sustainable development goals (SDG)

Have a look at our website section and learn more about SDG 9 Industry, innovation and infrastructure'.

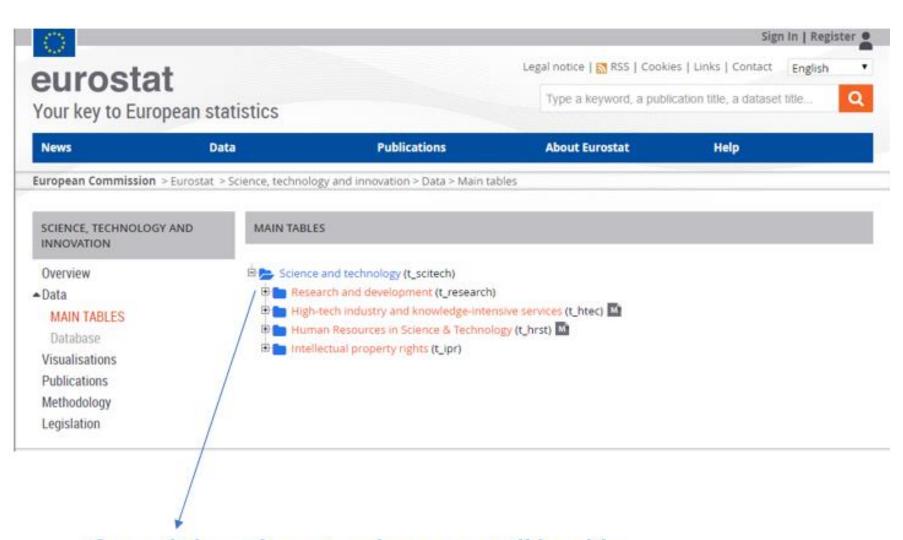


#### Europe 2020

Interested in the other Europe 2020 indicators? Then check out our section on this topic.

### Available here:

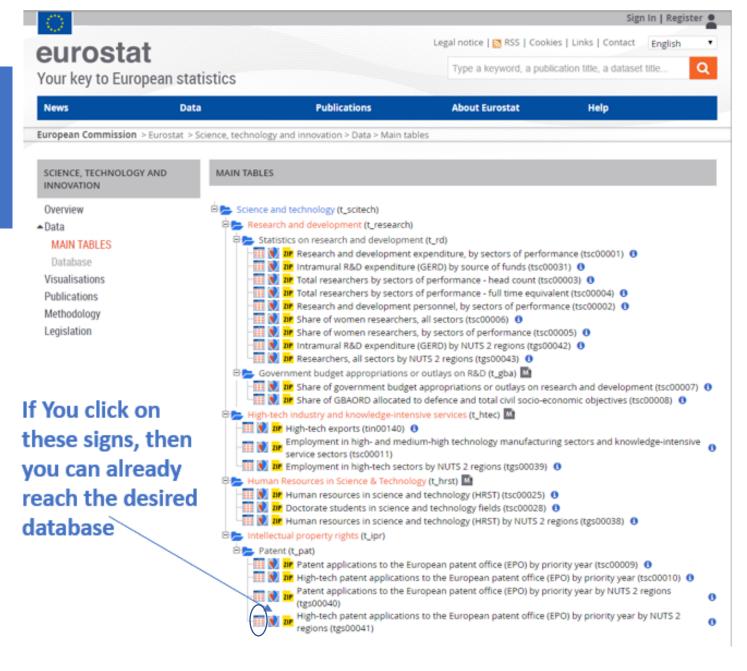
https://ec.europa.eu/eurostat/web/ science-technologyinnovation/data/main-tables



If you click on the + signs here, you will be able to see the content of these big topics & the available data

### Available here:

https://ec.europa.eu/eurostat/web/ science-technologyinnovation/data/main-tables

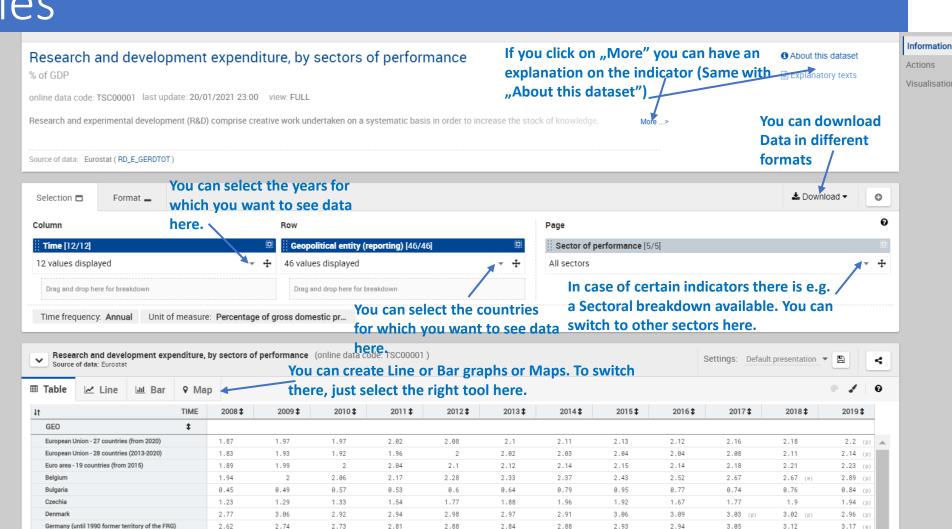


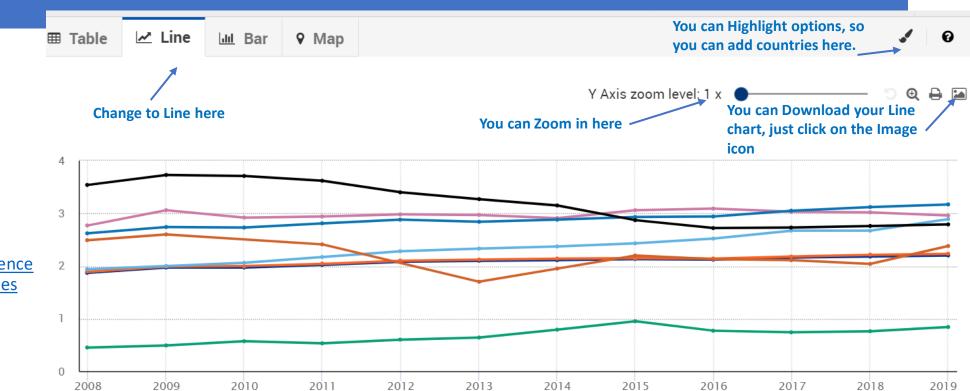
You can have data on these fields.

Available here:

https://ec.europa.eu/ eurostat/web/scienc e-technologyinnovation/data/mai n-tables

This is what You see first when You click on reaching data →





#### Available here:

https://ec.europa.eu/eurostat/web/science -technology-innovation/data/main-tables

Creating Line charts

Germany (until 1990 former territory of the FRG) Finland Iceland

European Union - 27 countries (from 2020) Euro area - 19 countries (from 2015)

If you click on any countries name here, it will be Highlighted, it will pop out from the other countries

Belgium Bulgaria Denmark

Disclaimer

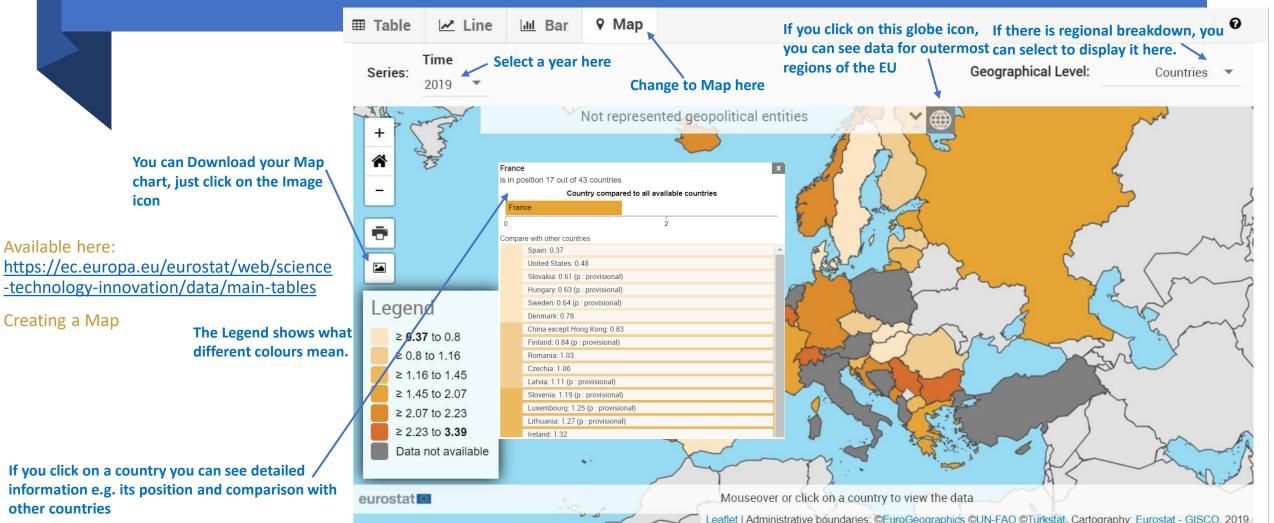
### Available here:

https://ec.europa.eu/eurostat/web/science -technology-innovation/data/main-tables

**Creating Bar charts** 



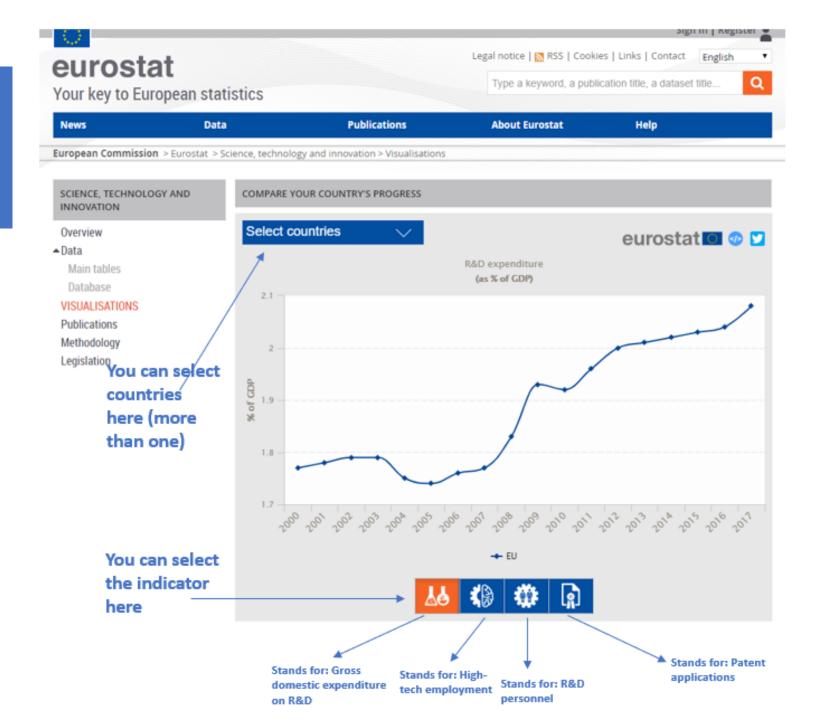
year at a time only.



# Eurostat – Visualization

### Available here:

https://ec.europa.eu/eurostat/web/science-technology-innovation/visualisations



### What can You use in Your presentation?

Any indicator that You find important/interesting

Indicators where there are big differences between the analyzed countries

Indicators where the country group highly differs from the rest of the EU

### **Examples** for indicators used:

- R&D expenditure, even in sectoral breakdown
- R&D personnel, even in sectoral breakdown
- Women researchers' share, even in sectoral breakdown
- Regional breakdowns
- GERD by source of found
- Etc.

Anything else that you find relevant & interesting even if that is not from Eurostat

The contents or components of this lesson may be used only with prior written permission.

### Thank you for your attention

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