

Eurostat regional yearbook goes digital!

- > Thursday 9 June 2022
- ▶ 11:30 12:30 CET









Bee swarms, barcodes and bubbles - visual data stories on regional development



Agenda for the webinar

- Starting point (Bianka Fohgrub)
- How we did it? (Teodora Brandmuller)
- What was new in the 2021 edition?
 & Lessons learned (Louise Corselli-Nordblad)



Starting point



Eurostat - who we are?

- Eurostat is the statistical office of the European Union.
- Our mission is to provide high quality statistics and data on Europe.
- We provide official statistics in partnership with the National Statistical Institutes = the European Statistical System.
- We have statistics for a wide range of topics at European, national, regional and local level.

Find more information about Eurostat visit our website: https://ec.europa.eu/eurostat





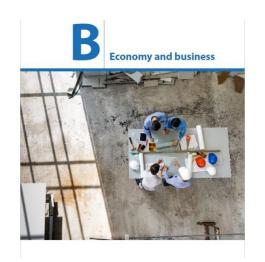
Publications that help to fight disinformation in a post-trust world are essential

- Eurostat regional yearbook started in the 1970's
- published in a similar format as print and PDF since 2000 as an annual flagship publication from Eurostat
- one of the most downloaded Eurostat publications in recent years
- New edition planned for October 2022

https://ec.europa.eu/eurostat/en/web/productsstatistical-books/-/ks-ha-21-001



- 1. Population
- 2. Health
- 3. Education
- 4. Labour market
- 5. Living conditions
- 6. Digital society



- 7. Economy
- 8. Business
- 9. Research and development
- 10. Tourism

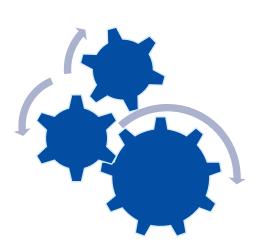


- 11. Transport
- 12. Environment
- 13. Agriculture



Digital transformation was both a challenge and an opportunity









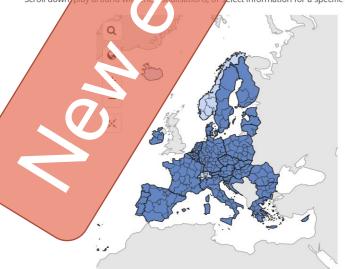


Have a closer look at the map to see the name of the regions that are covered.

Regions in Europe — 2021 interacts short texts that allow you to get a situation across European regions and society, economic activities, t

ers a selection of visualisations accompanied by restanding of the social, economic and environmental lication is divided into three principal sections: people ent and natural resources.

Scroll down play around wit sualisations, or select information for a specific region



Eurostat regional yearbook interactive edition

- interactive web tool with maps and graphs
- first published in 2020
- Updates and changes in 2021's edition
- New update planned for October 2022

https://ec.europa.eu/eurostat/cache/digpub/regions/



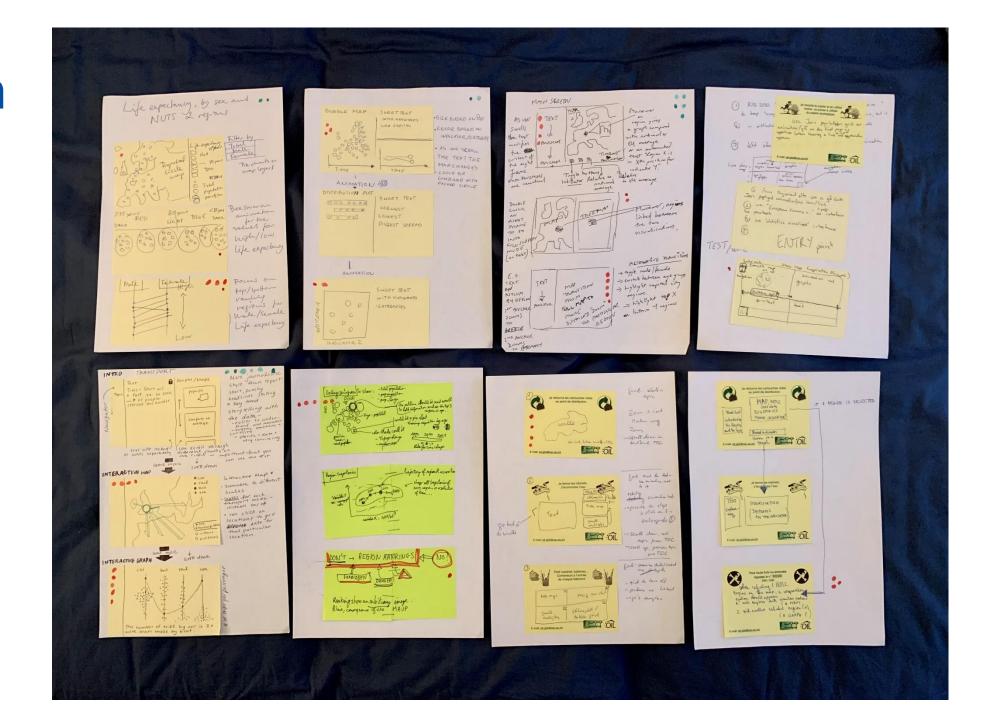
How we did it?

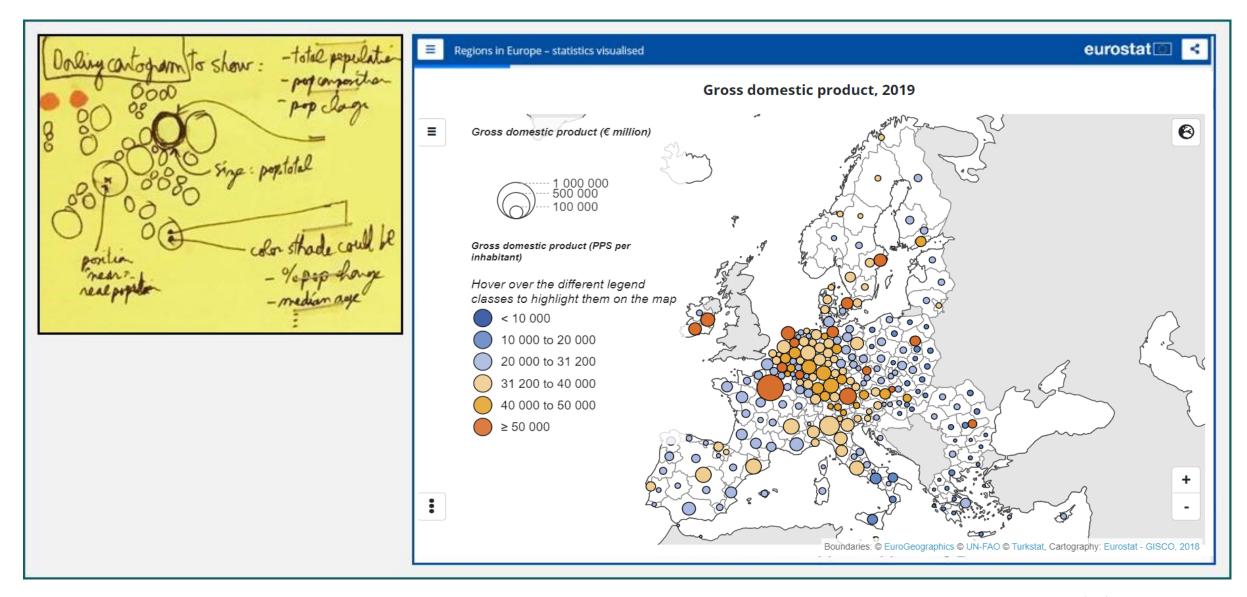




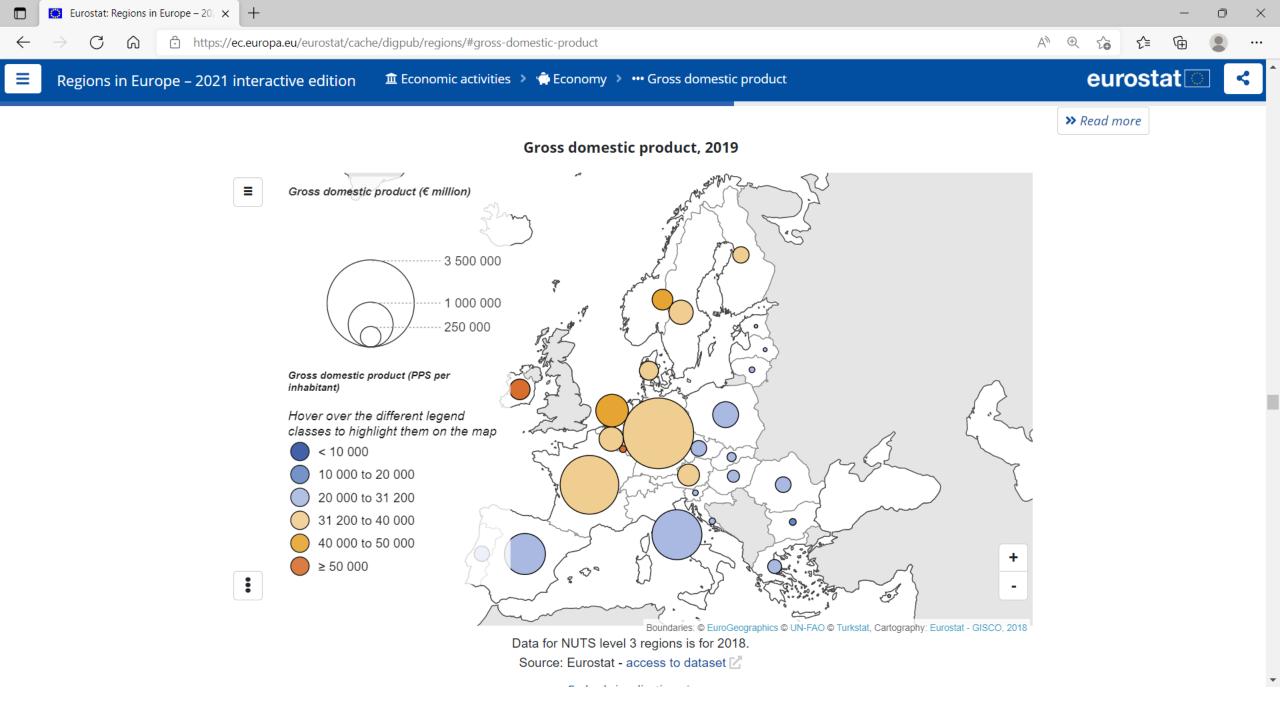
Regions in Europe: concepts behind the development

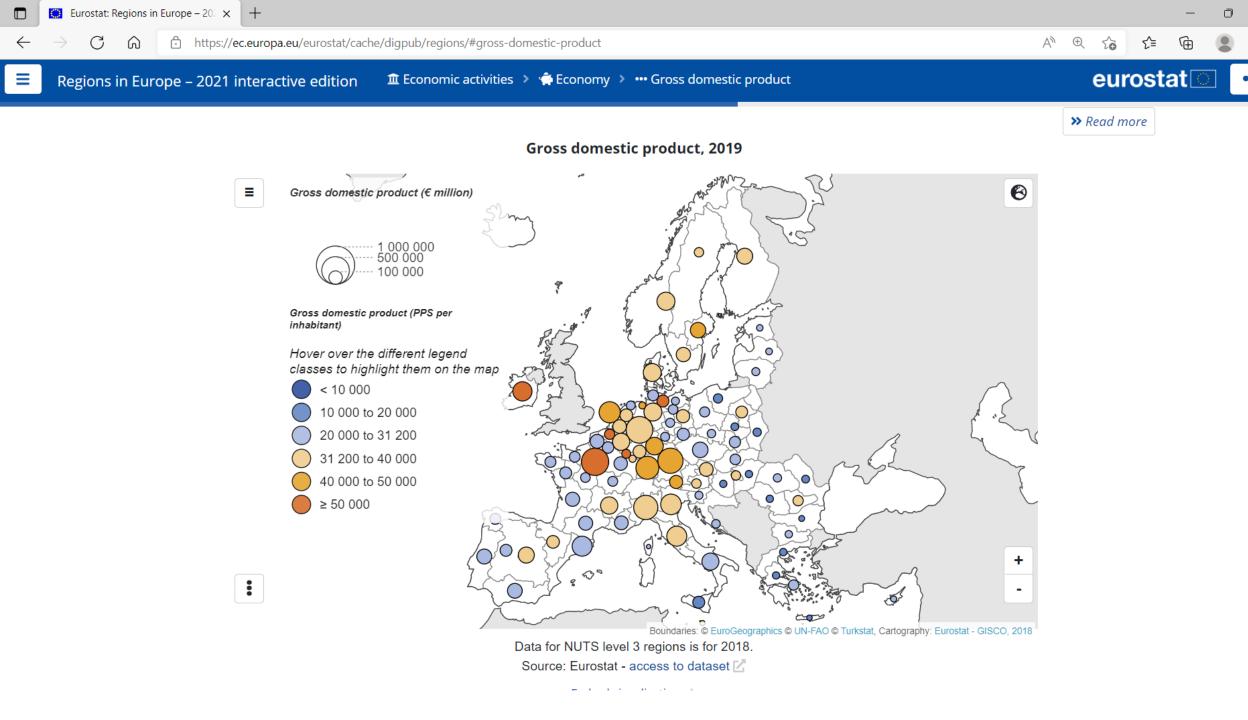
Start from "sketch"!

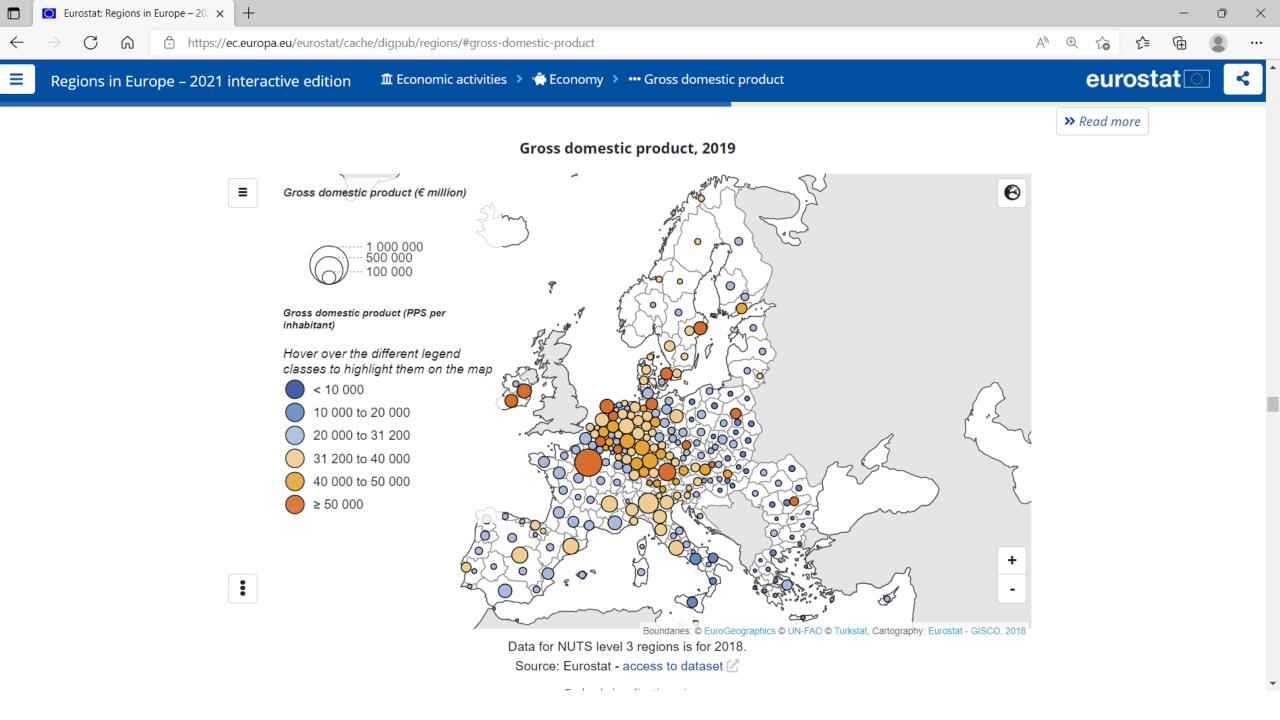


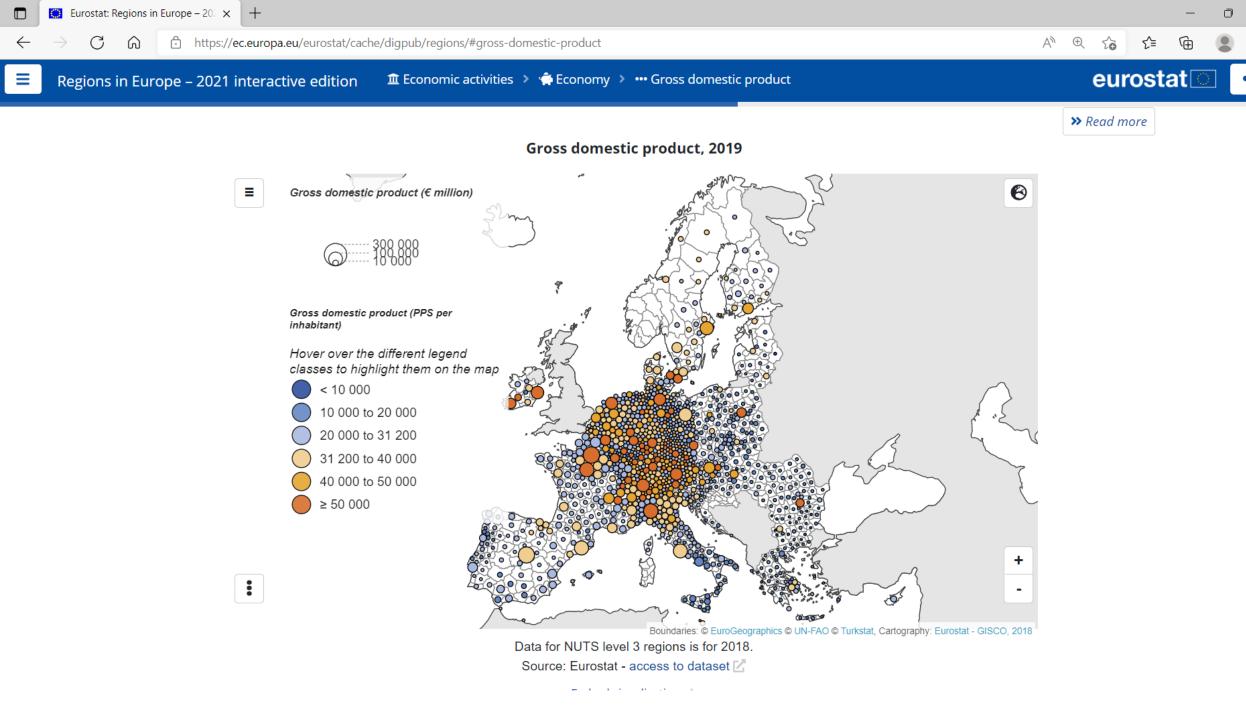


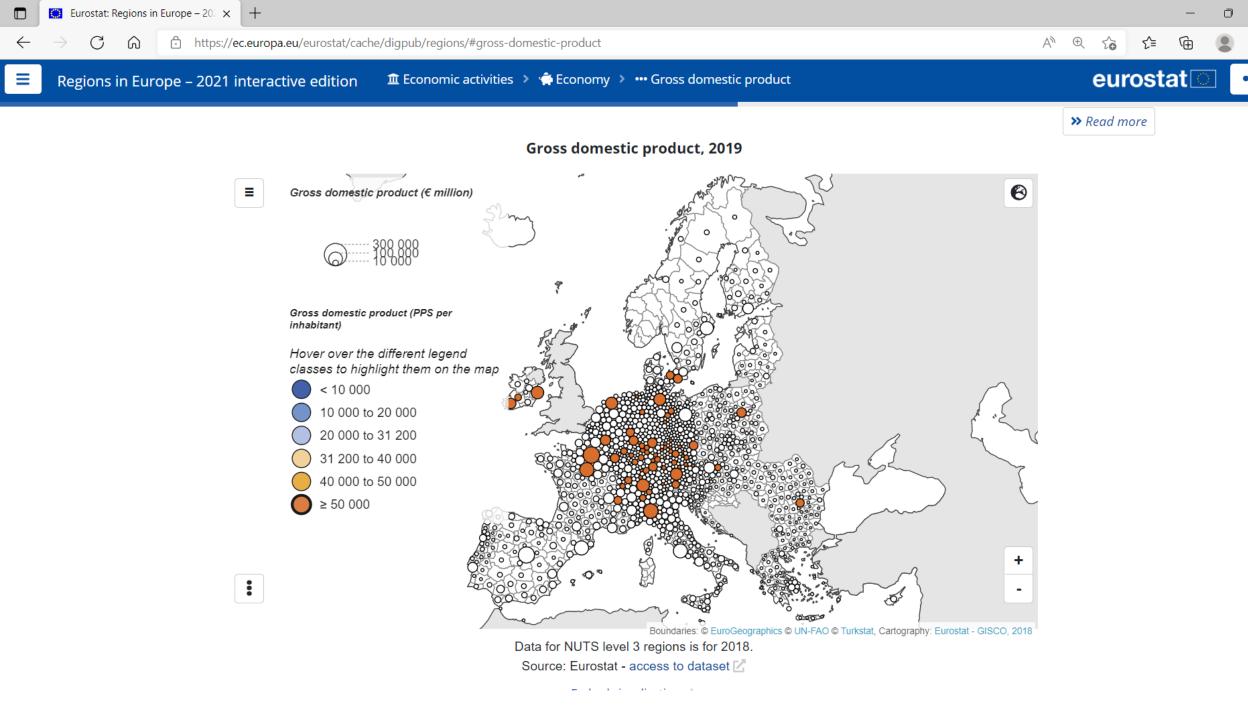










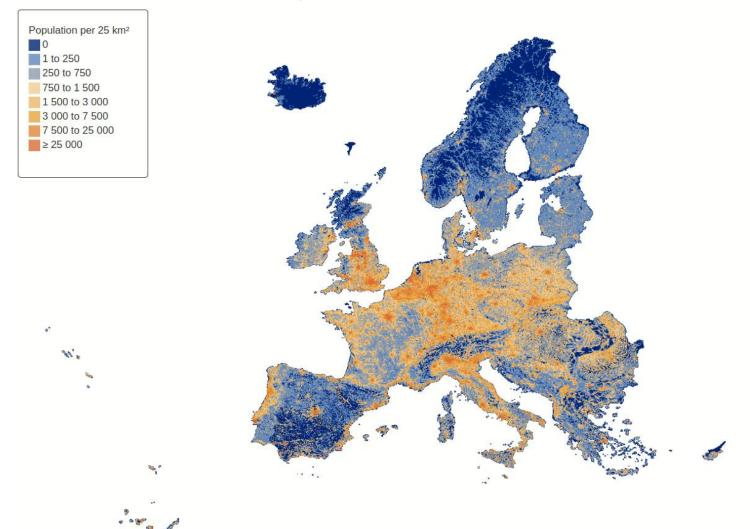




Attract attention

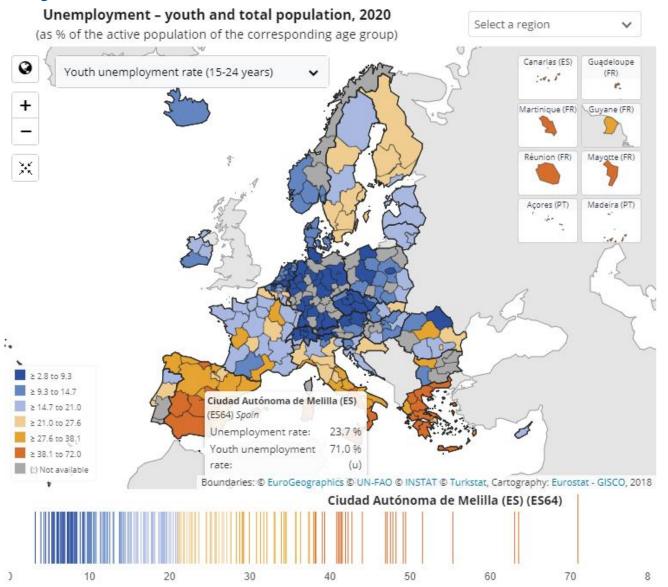


Population density





Unemployment rate





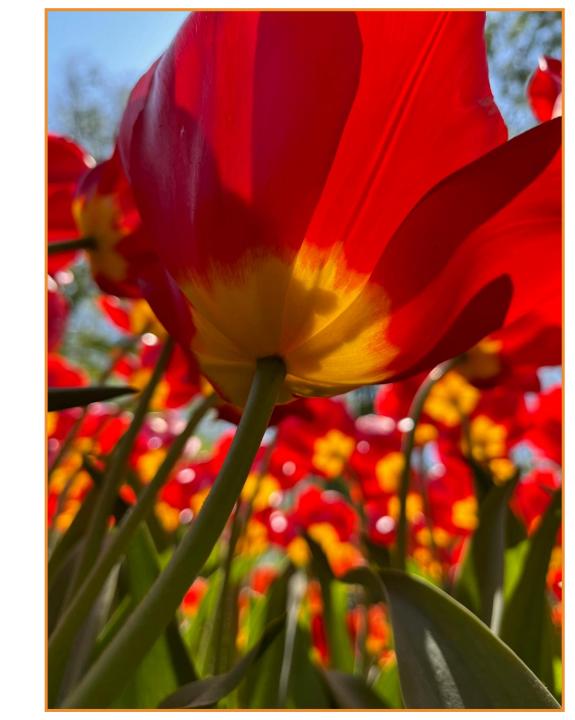


"Combine the "bird's eye" statistical perspective ...



... with the "worm's eye" view from personal experience"

by Tim Harford

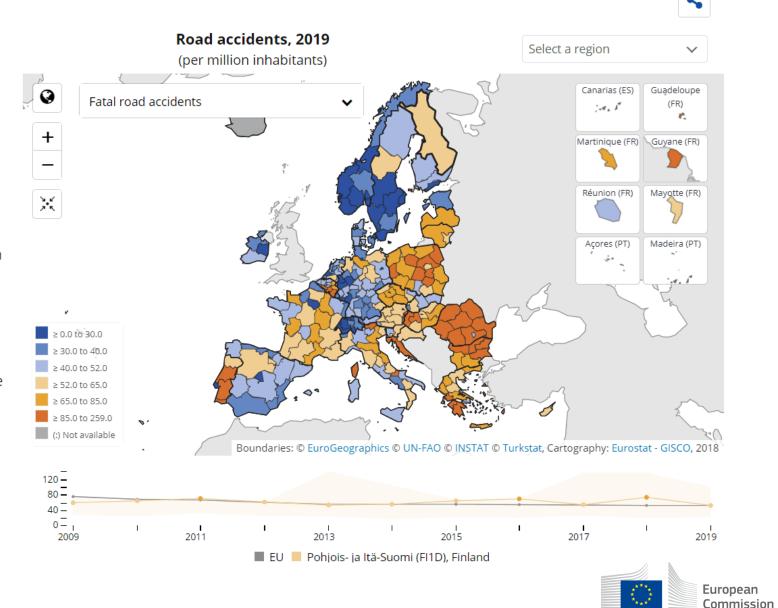


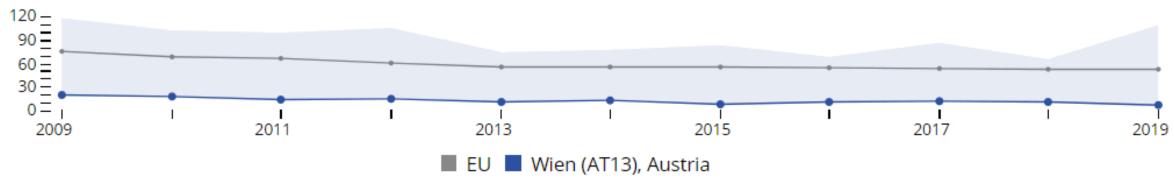
Road safety

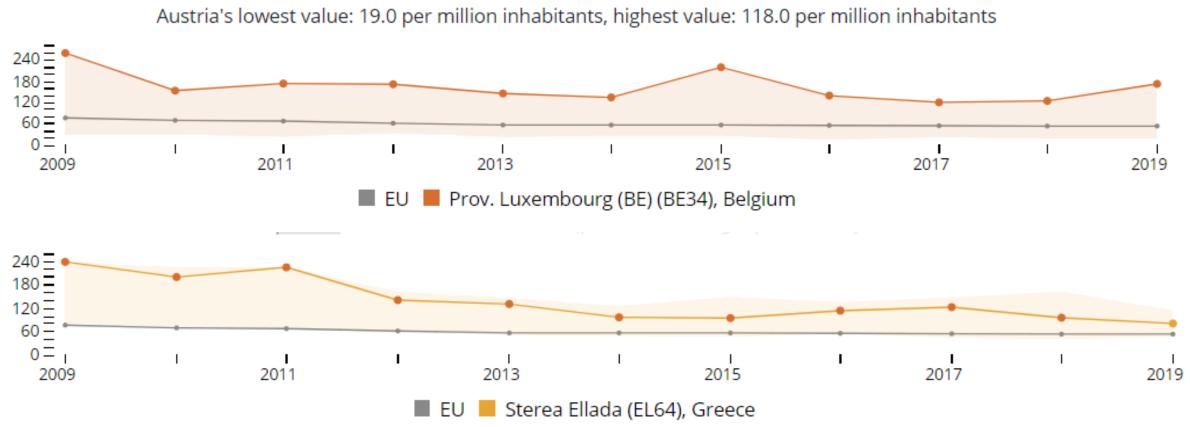
During the last decade, the incidence of road fatalities fell in over 90 % of EU regions

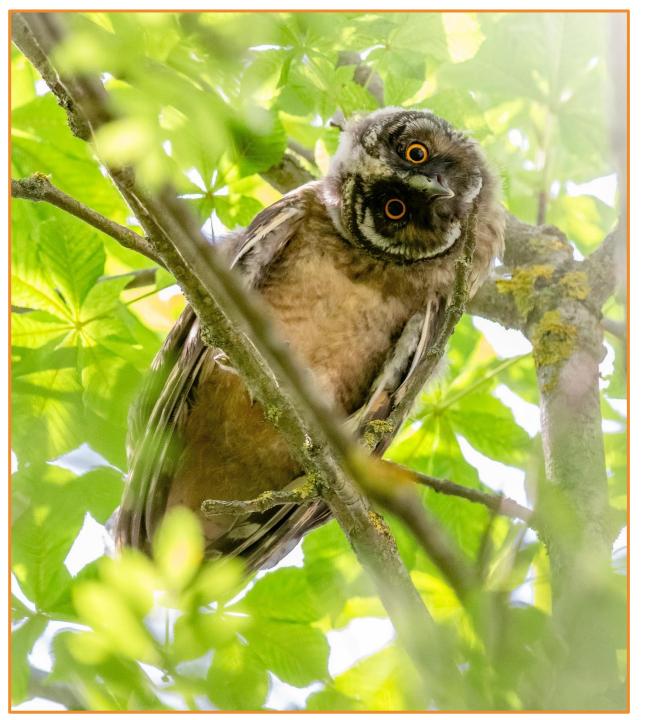
The EU's roads are among the safest in the world and have generally become safer over time. That said, road safety remains a major societal issue: in 2019, there were an estimated 23 051 road fatalities in the EU; this latest figure includes 2018 data for Spain. Have a look at the map to see how your region compares in terms of both road fatalities and road injuries.

There were, on average, 52 road fatalities per million inhabitants across the EU in 2019. At a regional level, the highest incidence rates were recorded in Prov. Luxembourg @ in Belgium (171 road fatalities per million inhabitants), Região Autónoma da Madeira (165) and Alentejo (156) in Portugal, and Mazowiecki regionalny (133) in Poland.





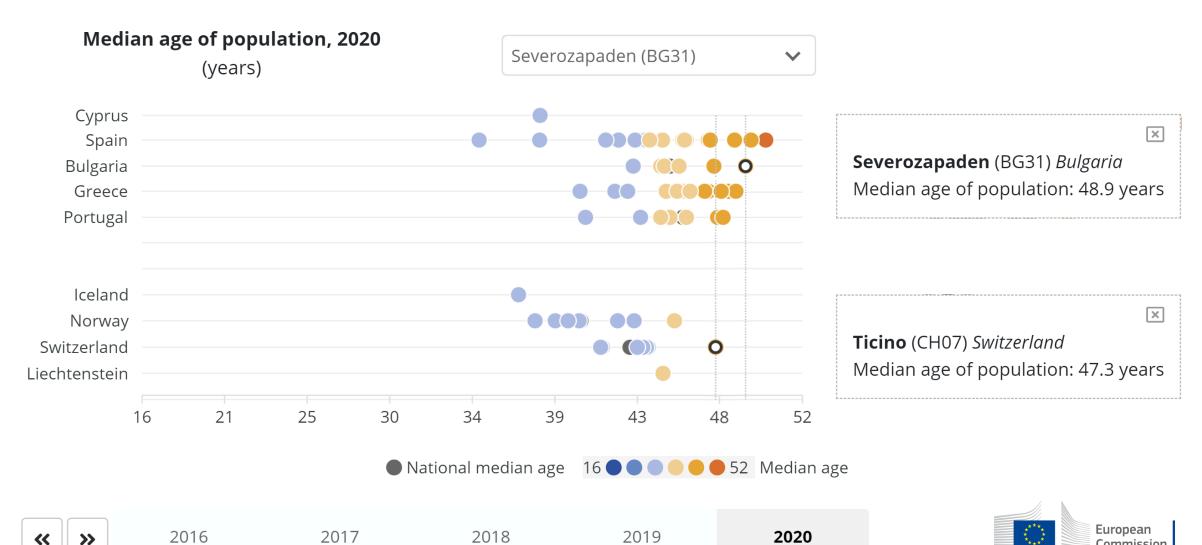




Be curious, keep an open mind

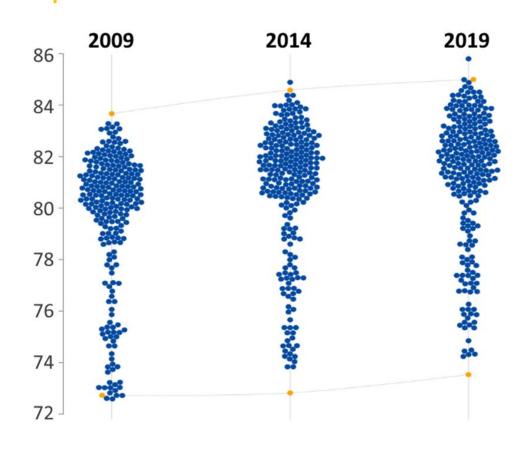


Demographic change – a regional perspective



Life expectancy

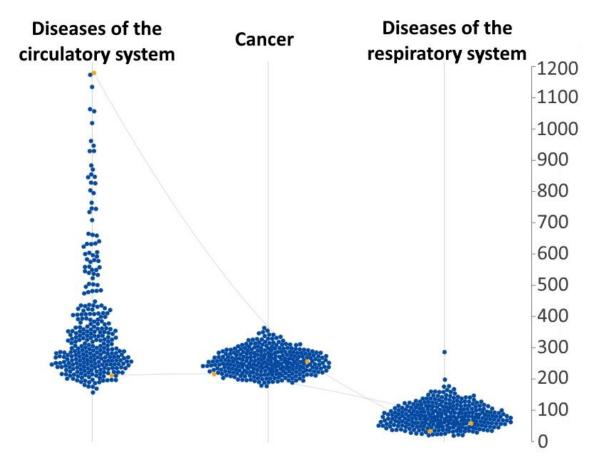
(years)



Ticino: Severozapaden: 2009: **83.7**, 2014: **84.6**, 2019: **85.0** 2009: **72.9**, 2014: **73.0**, 2019: **73.7**

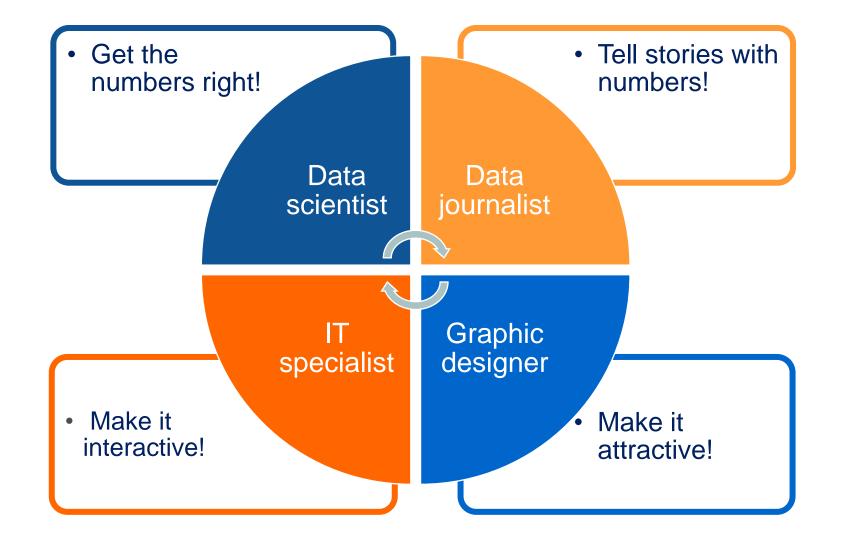
Main causes of death

(per 100.000 inhabitants, 2016)



Severozapaden: Ticino: Circ.: **1182.8**, Canc.: **258.8**, Resp.: **48.1** Circ.: **215.7**, Canc.: **220.7**, Resp.: **56.5**





The team: **Teodora Brandmüller Kimberly Clemons** Louise Corselli-Nordblad **Joe Davies Isabelle Fiasse Reka Fodor Bianka Fohgrub** Julien Gaffuri **Markos Giannopoulos Alexander Hepp** Nina Jere **Maarten Lambrechts Åsa Önnerfors** Lucie Peterkova **Andrew Redpath** Petronela Reinecke



Technical development

- Layout/interface: <u>Bootstrap</u> with <u>jQuery</u>
- Navigation: <u>Infinite Scroll and Scrollspy</u>
- Data visualisations: <u>Billboard.js</u>, <u>ApexCharts</u> and <u>D3.js</u>
- Icons: <u>Font Awesome</u>
- Localisation library: Inline and Webpack as build lifecycle tool (node, npm)
- The Eurostat GitHub contain the code for <u>"map to chart" animation</u>, <u>Dorling cartogram</u>, <u>Bee swarm</u> and <u>Barcode generator</u>.



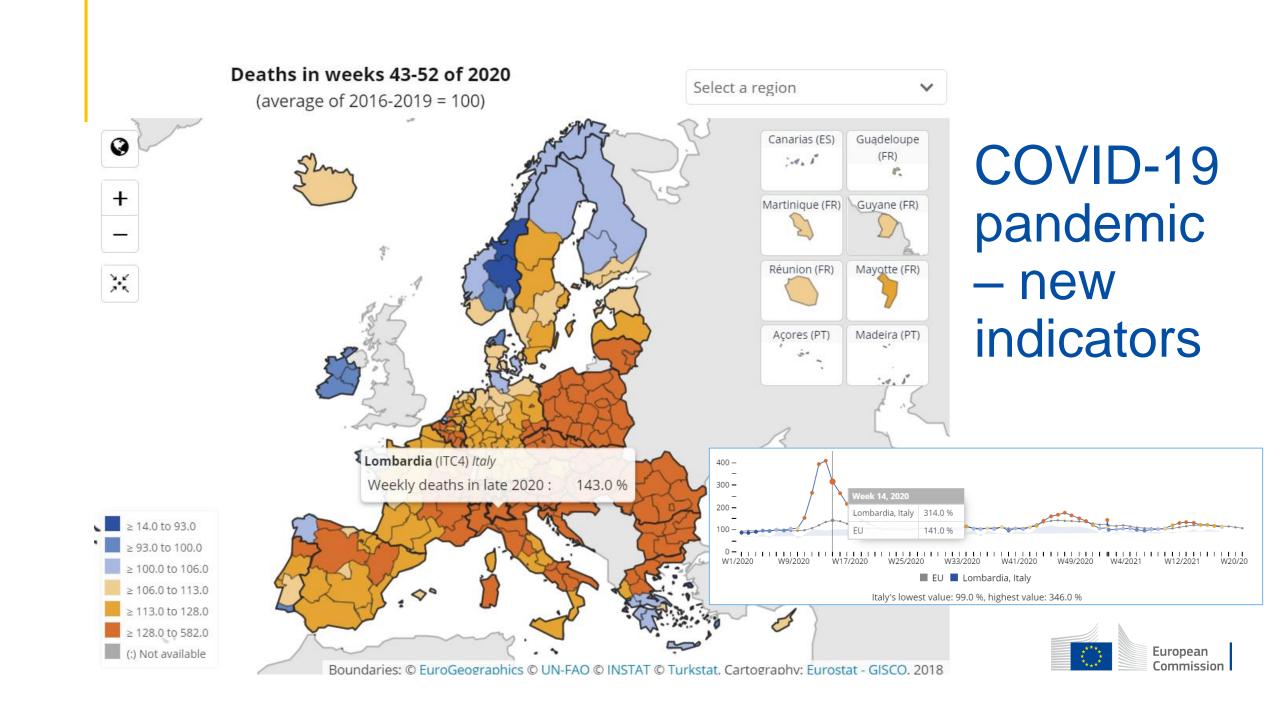
What was new in the 2021 edition?



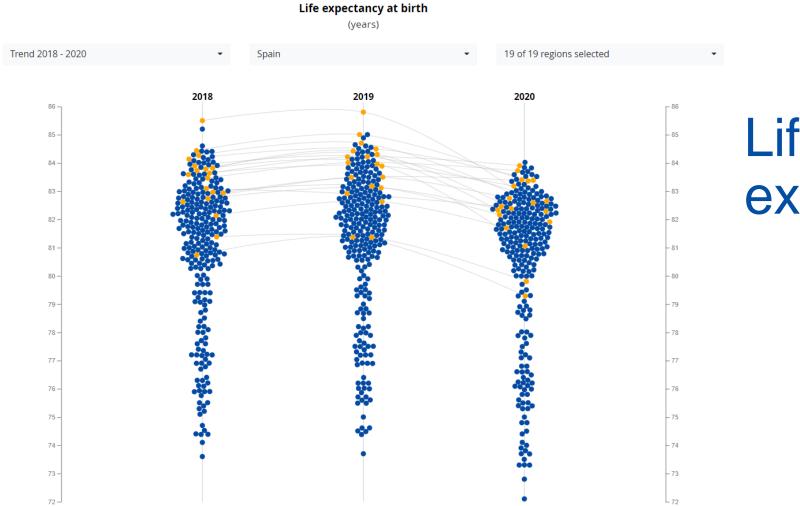
Main results of the user testing

- Enhanced navigation:
 - The url was changed and shows now the chapter the user is visiting
 - Some mouse over to improve visibility was added
- Clearer embed/share functions:
 - The share function by each chapter and the embed by each visulisation
- Add search fields for the choropleth maps
 - « Select a region »





Sneak preview of 2022 edition



Life expectancy



Lessons learned



Lessons learned: Editorial dilemmas

- Point of frustration in April 2020 due to Covid-19 lockdown
- Choice of indicators sometimes you have more data than can be shown
- Editing of text so much to be said, but the text needs to remain short and clear



Clear writing award in 2021



"I'm proud to present the third award for external communications to a maybe less expected winner. Statisticians can often be criticised for presenting dry and technical subject, but I am glad to announce that this is not the case for <u>DG ESTAT</u>. Congratulations for Regions in Europe – 2021 interactive edition."

Commissioner Hahn



Lessons learned: What went well?

Well received – many visits

RYB 2020 PDF version (09/2020 – 12/2021): 43.754 visits RYB 2021 PDF version (09/2021 – 12/2021): 20.000 visits Regions in Europe - interactive version (2020 and 2021): 467.730 visits

 Multi-disciplinary team (a combination of developers, communication experts, designers and statisticians)



Find out more?

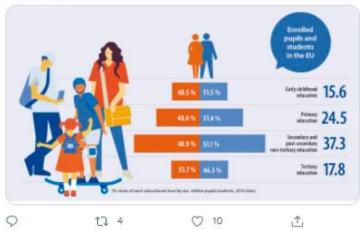
- <u>Eurostat regional yearbook 2021 edition</u>, also available as a set of <u>Statistics</u> <u>Explained articles</u>, containing the underlying data
- Regions in Europe 2021 interactive edition
- Regions and cities, overview page on the Eurostat website
- Eurostat <u>Statistical atlas</u>
- Eurostat Regions and cities illustrated
- Eurostat application "My Region" (web and mobile app)
- Latest COVID-19 developments: <u>COVID-19: Statistics serving Europe</u>
- Eurostat's database



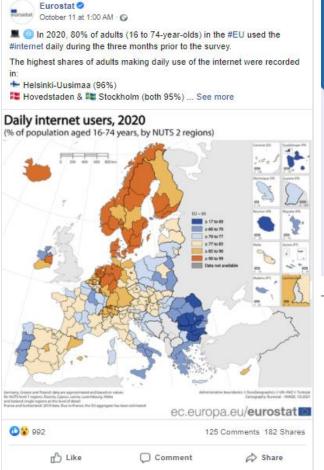
Follow Eurostat in social media

















Spread the word and try it out for yourself!





https://ec.europa.eu/eurostat/cache/digpub/regions/

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Please provide us your feedback!







Thank you very much!

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