



# Eurostat visualisation tools

## **ITF statistical meeting**

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# Eurostat website

The screenshot shows the Eurostat website homepage with the following sections:

- Header:** Eurostat logo, "Your key to European statistics", navigation links (Legal notice, RSS, Cookies, Links, Contact), language selector (English), and a search bar.
- Navigation:** News, Data, Publications, About Eurostat, Help.
- NEWS RELEASES:** Article titled "Only 1 manager out of 3 in the EU is a woman" dated 06/03/2017. Text: "Nearly 7.3 million persons hold managerial positions in enterprises with 10 employees or more located in the European Union (EU): 4.7 million men (65% of all managers) and 2.6 million women (35%). In other words, although representing approximately half of all employed persons in the EU, women... more". Includes a "Release calendar" link.
- WHAT'S NEW?:** Grid of new articles:
  - 08/03/2017: Life of women in the EU
  - 07/03/2017: Do women still earn less than men?
  - 06/03/2017: An interactive tool to explore your government's expenditure
  - 06/03/2017: New demographic datasets by 'Human Development Index (HDI)'
- STATISTICS BY THEME:** Grid of icons for various categories:
  - General and regional statistics
  - Economy and finance
  - Population and social conditions
  - Industry, trade and services
  - Agriculture and fisheries
  - International trade
  - Transport
  - Environment and energy
  - Science, technology and digital society
- DATA:** Buttons for "Most popular tables", "Complete database", and "Visualisations & Tools".
- ECONOMIC TRENDS:** Section for "GDP - volume (% change)" for "EU (28 countries)". Includes a line chart showing quarterly data from Q1 2016 to Q4 2016, with a highlighted value of 0.5 for Q4 2016. Options to "Change previous quarter" or "Change same quarter previous year".
- FOCUS ON:** Section for "Language learning: New video & infographics".
- Language Learning Infographic:** "Which are the most studied foreign languages? (% of pupils at lower secondary level)". Data: EU (97.3%), English (11.8%), French (97.3%).

Visualisations & Tools



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## TOOLS

urostat has implemented several data visualisation and extraction tools, and mobile apps:



### Visualisation tools

- ▶ My capital in a bubble
- ▶ My country in a bubble
- ▶ Themes in the spotlight
- ▶ Economic Trends
- ▶ You in the EU
- ▶ Quality of life
- ▶ Young Europeans
- ▶ Government expenditure in the EU
- ▶ Elderly in the EU
- ▶ Widgets
- ▶ Statistics Illustrated
- ▶ Inflation Dashboard
- ▶ Country Profiles
- ▶ Statistical Atlas

### Mobile apps

- ▶ My region
- ▶ EU Economy
- ▶ Country Profiles
- ▶ Eurostat Quiz

### Extraction tools

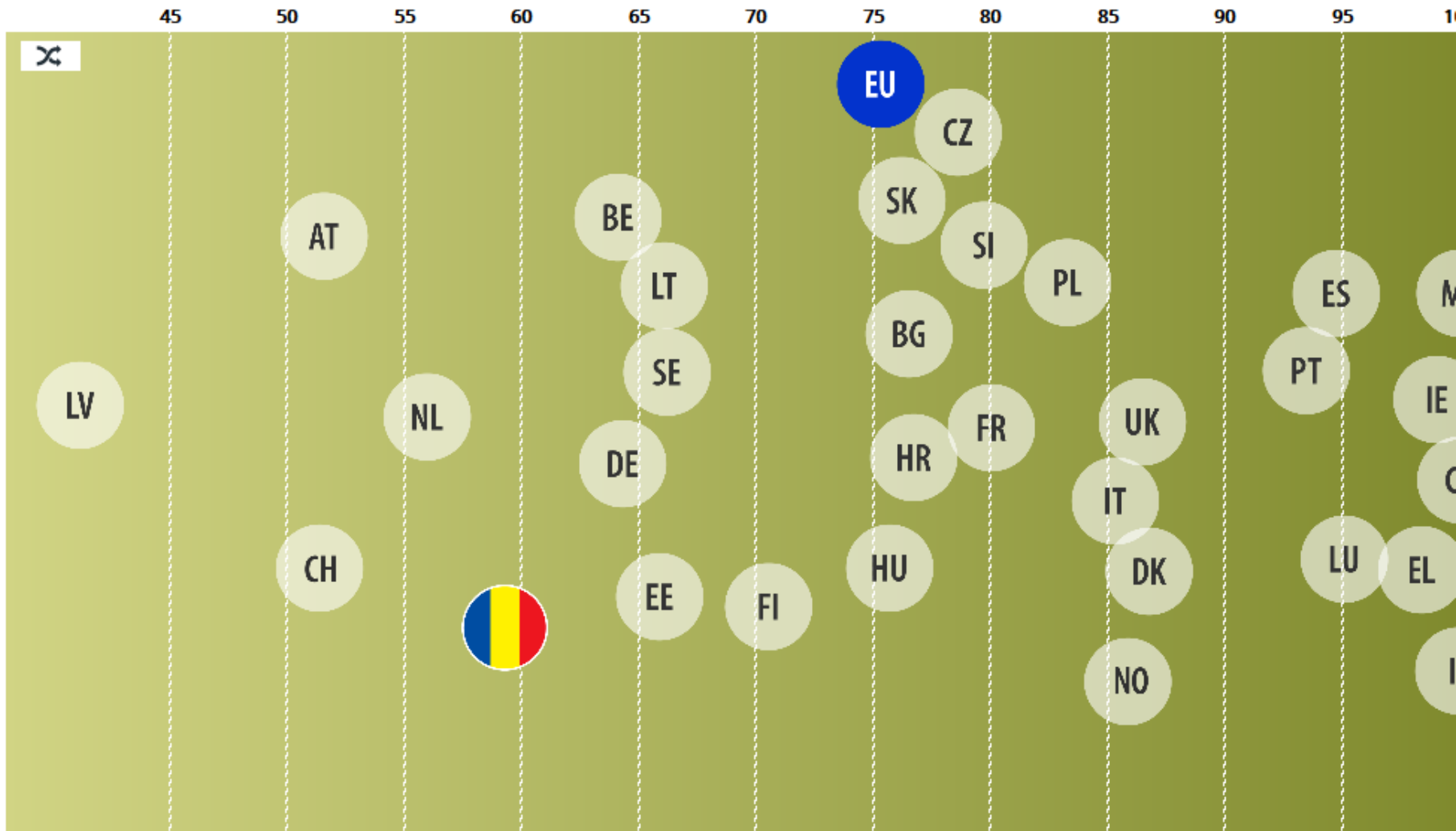
- ▶  Tables, graphs and maps (TGM)
- ▶  Data explorer
- ▶ Extraction tools for automatic download
- ▶ Other data extraction tool



# Freight transport by road



( % in total inland freight tonne-km ) 2014





# New visualisation tool air passengers

## Overview:

- User-friendly, small visualisation
- Easily accessible
- Easy to understand
- Interactive

## Objective:

- To provide a quick and understandable overview of air passenger transport in the EU

## Technical aspects

- Connected to Eurobase via web services
- Responsive
- Possibility of translation

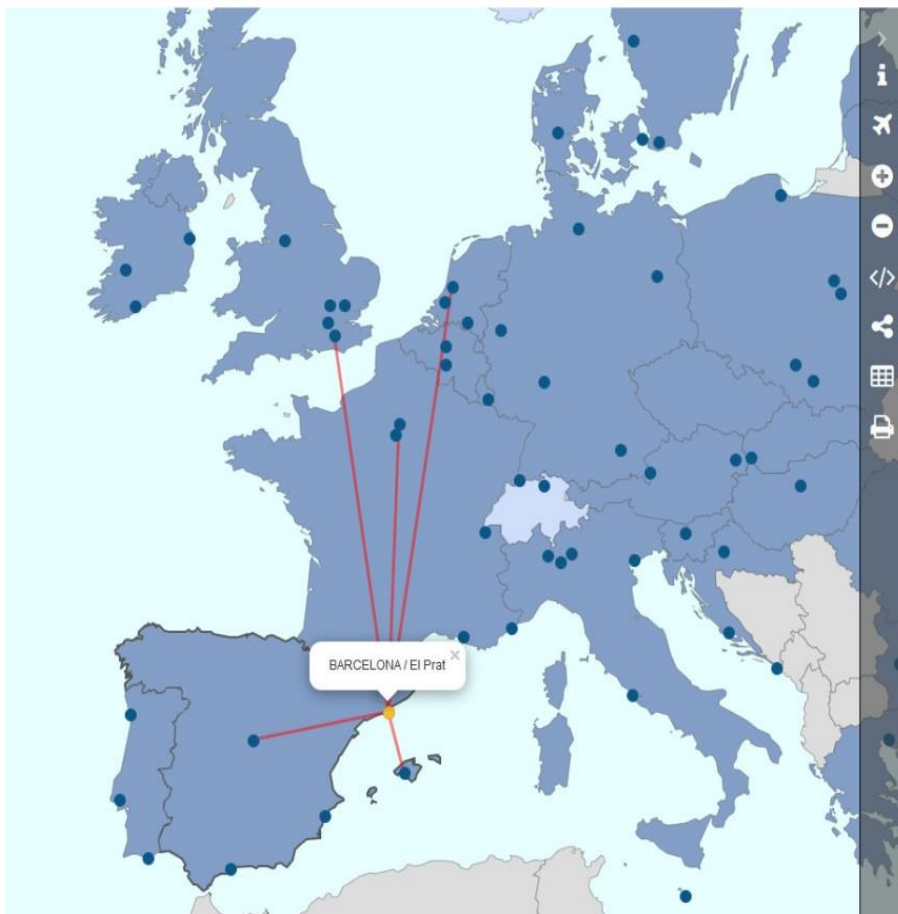


***Expected to be released in spring 2017***



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## ✈ Air Traffic in the European Union, 2015



Most important routes from BARCELONA / El Prat

Route	Passengers	Flights
1. To ADOLFO SUAREZ MADRID/BARAJAS	1 128 837	8 049
2. To PALMA DE MALLORCA	784 167	6 065
3. To LONDON/GATWICK	676 873	4 703
4. To PARIS-CHARLES DE GAULLE	614 834	4 302
5. To AMSTERDAM/SCHIPHOL	607 501	3 900

Passengers increased over the last year

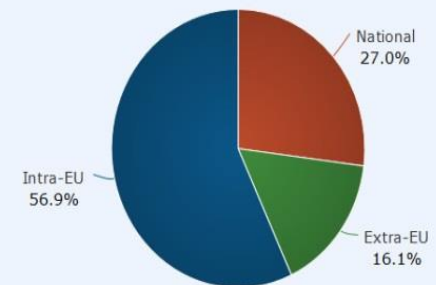
Passengers decreased over the last year

Flights increased over the last year

Flights decreased over the last year

Air passengers carried from/to BARCELONA / El Prat

(% of total passengers carried)



# The first Eurostat digital publication



**Provides statistical background to citizens who want to better understand the priority of the European commission: the Energy Union.**





# Digital publications

eurostat  | newsrelease

180/2016 - 20 September 2016

A new way of communicating statistics

## A digital publication to shed light on energy in the European Union

Lighting, heating, moving, producing: energy is essential for our day-to-day life. Turning on our computers or starting our cars are actions that we take for granted, yet they represent the final stage of a complex process, from extraction to final consumption. For example crude oil is transformed into motor gasoline, while fossil, nuclear and renewable energy are transformed into electricity.

Statistics can help to make the complex process of energy more understandable. This is the aim of the digital publication **Shedding light on energy in the EU – A guided tour of energy statistics** issued today by Eurostat, the statistical office of the European Union. This digital publication will serve in particular those who would like to better understand the challenges faced by the Energy Union, one of the ten priorities of the European Commission.



# Shedding light on energy in the EU

A guided tour of energy statistics



## Lighting, heating, moving, producing...

...energy is vital for our day-to-day life. Without energy, people and businesses cannot function. Turning on our computers or starting our cars are actions that we take for granted, yet they represent the final stage of a complex process.

First of all, energy resources have to be extracted from our environment. Primary energy sources are transformed into energy products available for consumption. For example crude oil is transformed into motor gasoline, while fossil, nuclear and renewable energy are transformed into electricity.

Statistics can help to make the complex process of energy more understandable.

- Where does our energy come from?
- How dependent are we on energy imports?
- Which kind of energy do we consume in the EU and how much does it cost?
- Are we efficient in the consumption of energy?
- How much greenhouse gas do we emit in the EU?

By providing simple statistical answers to these questions and by presenting the information in different forms (texts, infographics, videos, etc.), this new tool developed by Eurostat replies to the needs of those who are not familiar with the energy sector, but who would like to better understand the challenges the Energy Union initiative is facing. For more experienced users, the whole energy process – from source to final use – is presented in a very detailed way in a user-friendly Sankey-diagram.

Start Now



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## What is the Energy Union about?



## What energy is available in the EU?



## Which type of energy do we consume?



## What are the links between energy and the environment?

[Home](#) [Menu](#) [Glossary](#)

## WHICH TYPE OF ENERGY DO WE CONSUME?

### What kind of energy do we consume in the EU?

Out of the total energy available in the EU, just under two thirds is consumed by end users, for example EU citizens, industry, transport etc. The difference – around one third – is mainly used for electricity generation and in other energy transformation processes. An example of a transformation process is crude oil being refined at refineries to become petroleum products.



[EXPLORE FURTHER](#)

### How much does the energy we consume cost?

For medium size household consumers, electricity prices including taxes and levies were the highest in the second semester of 2015 in Denmark (EUR 0.30 per kWh), Germany (EUR 0.29 per kWh) and Ireland (EUR 0.25 per kWh), while the lowest prices were recorded in Bulgaria (EUR 0.10 per kWh) and Hungary (EUR 0.11 per kWh).



[EXPLORE FURTHER](#)

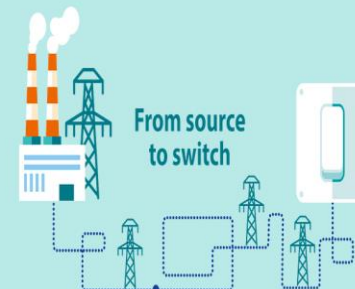
### What is the source of the electricity we consume?

Almost half of the electricity consumed in the EU comes from power stations burning combustible (renewable and non-renewable) fuels. Around 22 % of the final energy we consume is electricity. We use it when we turn on the lights or our computer and it comes from different sources.



[EXPLORE FURTHER](#)

### From source to switch





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### Which type of energy do we consume?

#### What is the source of the electricity we consume?

##### Almost half of the electricity consumed in the EU comes from power stations burning combustible (renewable and non-renewable) fuels

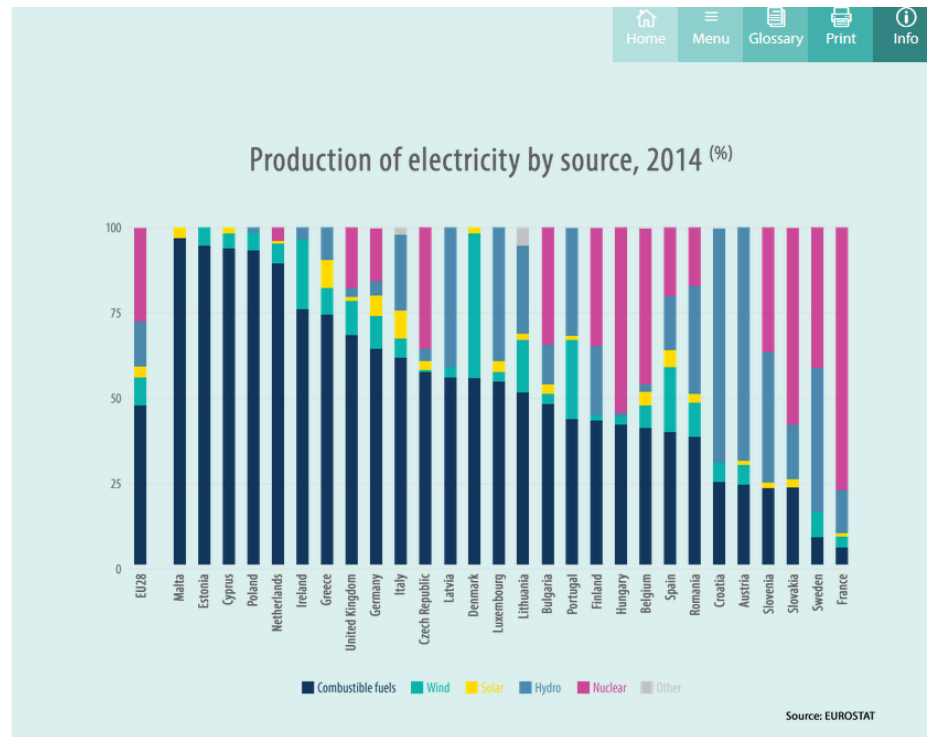
Around 22 % of the final energy we consume is electricity and it comes from different sources. Almost half (48 %) of the electricity consumed in the EU in 2014 came from power stations burning combustible fuels (such as natural gas, coal, biofuels and oil), while 27 % came from nuclear power plants and 25 % from renewable energy sources. Among these renewable energy sources, the highest share of electricity consumed came from hydropower plants (13 %), wind turbines (8 %) and solar power (3 %).

The sources of electricity consumption vary among the Member States: over 90 % of electricity consumption came from combustible fuels in Malta, Estonia, Cyprus and Poland, while three quarters (77 %) of electricity consumption came from nuclear power plants in France, followed by 58 % in Slovakia and 54 % in Hungary. In Croatia and Austria almost 70 % of electricity consumption came from hydro power plants, while 42 % of electricity consumption in Denmark came from wind energy.



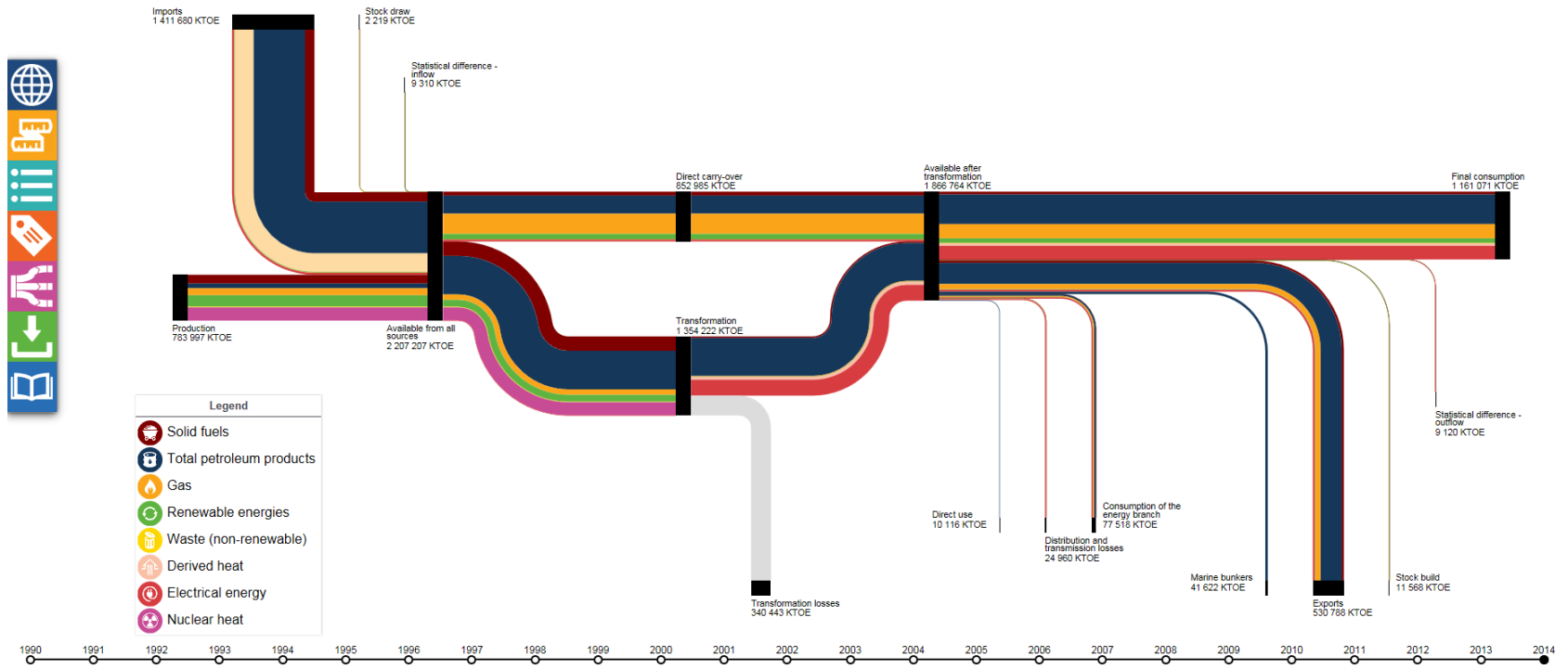
< [What kind of energy do we consume in the EU?](#)

[How much does the energy we consume cost? >](#)





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# Themes in the spotlight

## Overview

- Created in March 2015 (63 published)
- User-friendly, small infographics
- Linked to Eurostat ad-hoc news releases

## Different Types

- Dynamic /Static

## Cover a broad range of subjects

- Different statistical themes
- European/International Days
- Special events (EU presidencies)



# European Statistics Day

A GLIMPSE OF EUROPEAN STATISTICS



## European Statistics Day

1



Statistics can take you far away...

21 460 passengers flew from the EU to New Zealand in 2015.



Source: [International extra-EU air passenger transport \(avia\\_paexcc\)](#)

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Have a look at the [Eurostat news release on the occasion of the European Statistics Day](#)

A GLIMPSE OF EUROPEAN STATISTICS



## European Statistics Day



...but can also make you feel at home

In 2015, nearly 7 out of 10 persons in the EU owned the place they live in.



Source: [Distribution of population by tenure status \(ilc\\_lvho02\)](#)

2/10



eurostat 

Have a look at the [Eurostat news release on the occasion of the European Statistics Day](#)



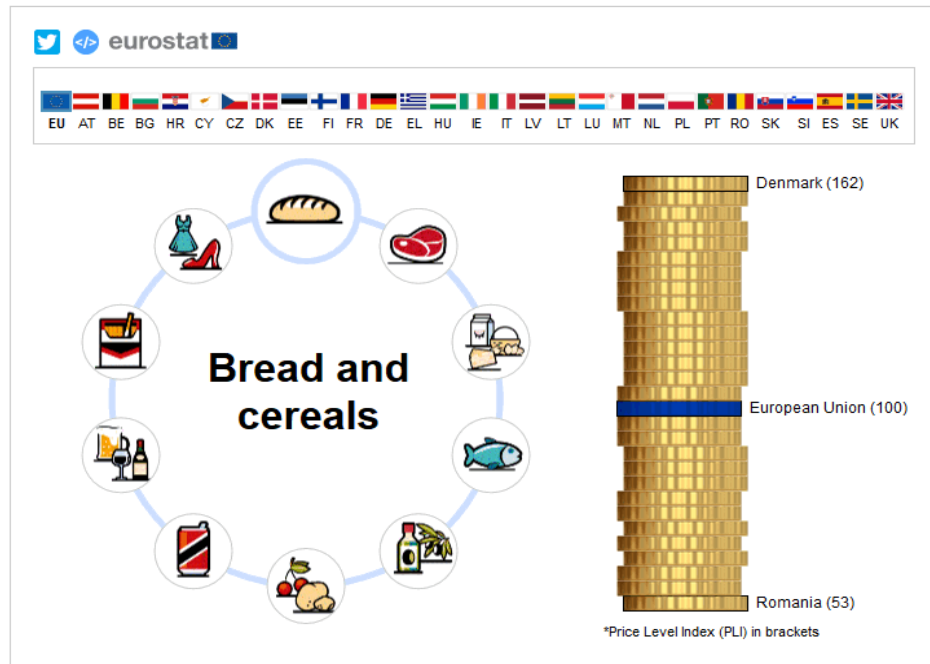


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## Consumer price levels in the EU, 2015

Eurostat publishes an infographic as well as some interesting facts & figures on consumer price levels in the EU

- Select a product to see the EU Member States with the highest and lowest price levels.
- Select a EU Member State to see it within the ranking.



## Women in the EU A statistical portrait

EU and the Member States with the highest and the lowest result are shown.

### Life expectancy gender gap

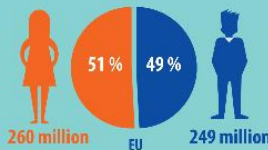
2014

Number of years which women can expect to live more than men



### Share of women in the EU population

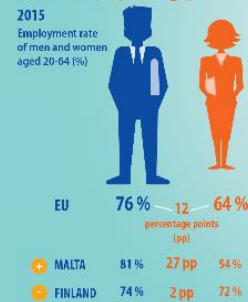
2016



### Gender employment gap

2015

Employment rate of men and women aged 20-64 (%)



### Gender gap in tertiary education

2016

Share of women and men aged 30-34 having completed tertiary education

