VISUALISATION OF DATA IN EUSTAT: A PARTNERSHIP WORK WITH THE UNIVERSITY OF THE BASQUE COUNTRY

Speed Session 1. Dissemination &
Adressing Users Needs
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Data visualisation

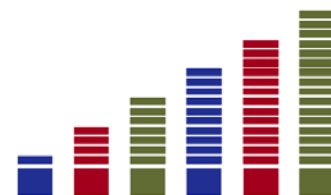To be useful and to disseminate to the general public.

Reach the **greatest possible number of users** and cover their needs in the shortest time possible

An alternative method of disseminating the information: the visualisation of the data in the form of graphics.

Wide range of users, **different needs , profiles and data requirements**. User needs cannot be predetermined.
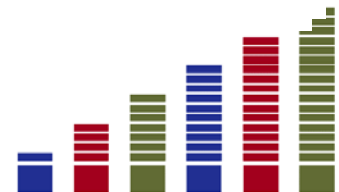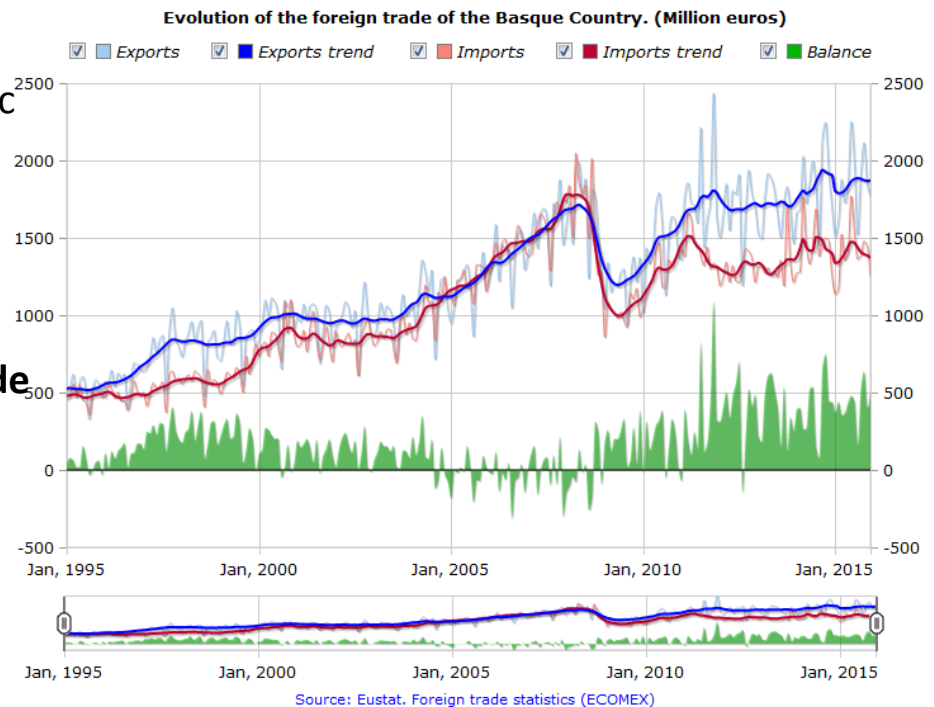
Graphics make data more accessible to end users irrespective of their statistical background
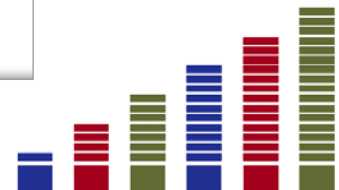
Interactive graphics: User changes the visualization of the data

Technical requirements

- **Clean appearance** and scales adaptable to each graphic

- Selecting the **time scale** under each graphic

- **Activate/deactivate** data series.

- Ready for different browsers, screen resolutions and devices

- **Independence of the data and graphic code**

- Data and the text element of the graphic are stored in a JSON file

- JavaScript: public libraries (JQuery,…) and others of our own creation. (open source)

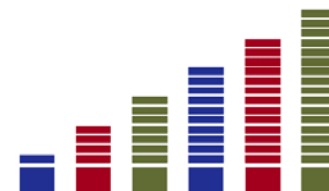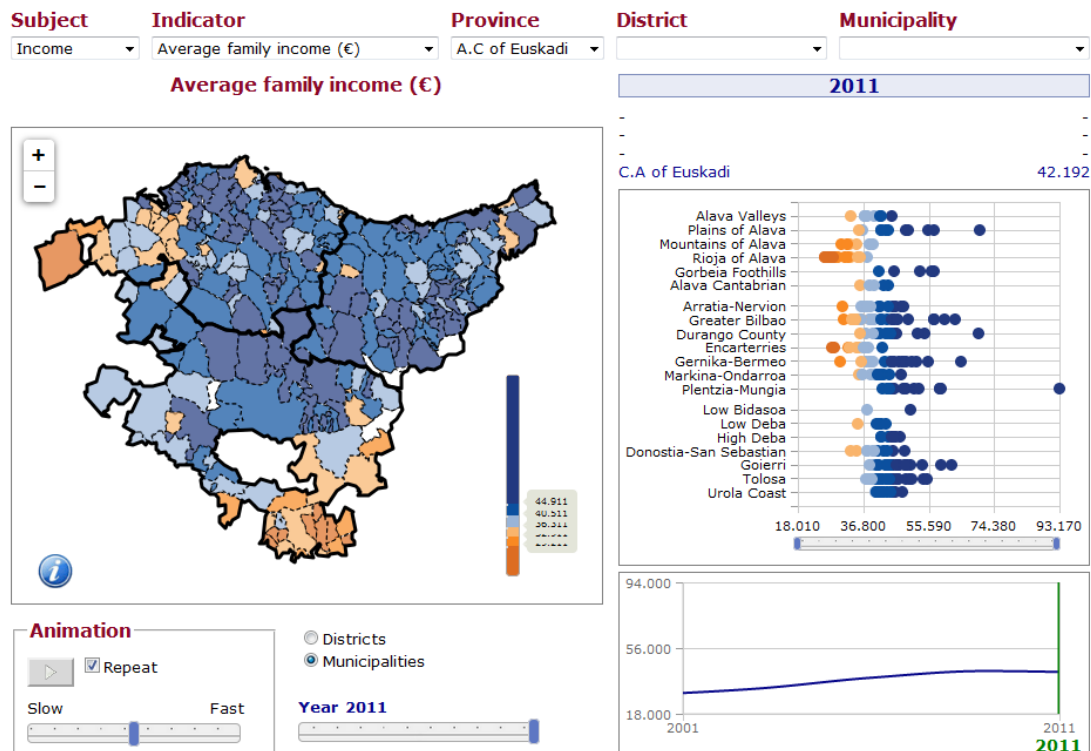- **Easy maintenance** and **reusable** for new graphics.

Evolution of the foreign trade of the Basque Country. (Million euros)

☑ Exports ☑ Exports trend ☑ Imports ☑ Imports trend ☑ Balance

Source: Eustat. Foreign trade statistics (ECOMEX)

Example

Q2016

European Conference on
Quality in **Official Statistics**

Interactive Population Pyramids

Interactive maps

The interactive maps provide a spatial visualisation of the statistical data. Via the municipal data series, the development of demographic phenomena, the weight of the various economic sectors and the differences in income that occur in the Basque Country can be observed. The tool allows the behaviour of a specific municipality or region to be observed, comparisons to be made or the data intervals to be manipulated to adjust the graphs.

Subject
Income

Indicator
Average family income (€)

Province
A.C of Euskadi

District

Municipality

Average family income (€)

2011

-                          -
-                          -
-                          -
C.A of Euskadi   42.192

Alava Valleys
Plains of Alava
Mountains of Alava
Rioja of Alava
Gorbeia Foothills
Alava Cantabrian

Arratia-Nervion
Greater Bilbao
Durango County
Encarterries
Gernika-Bermeo
Markina-Ondarroa
Plentzia-Mungia

Low Bidasoa
Low Deba
High Deba
Donostia-San Sebastian
Goierri
Tolosa
Urola Coast

18.010   36.800   55.590   74.380   93.170

44.911
40.511
36.311

Animation

☑ Repeat

Slow   Fast

○ Districts
● Municipalities

Year 2011

94.000

56.000

18.000
2001   2011
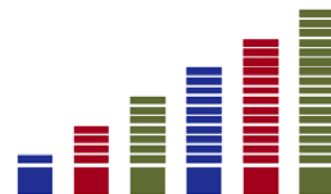**2011**

Data visualisation

When interactive graphics are employed, the **number of website access hits increase**.

A tool to **engage users** and increase the potential use of official statistics. More accessible data.

Continuous attention and maintenance.

Permanent working group. **New products.**

Thank you!!

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