GeoVisualization in ESTAT and EC

Hannes Reuter – Statistical Officer –
GISCO TEAM - ESTAT

Key points

What is the type of data that is being visualised?

EVERYTHING WITH A SPATIAL COMPONENT

What kind of variables do the data sets usually contain?

EVERYTHING

What is the intended audience?

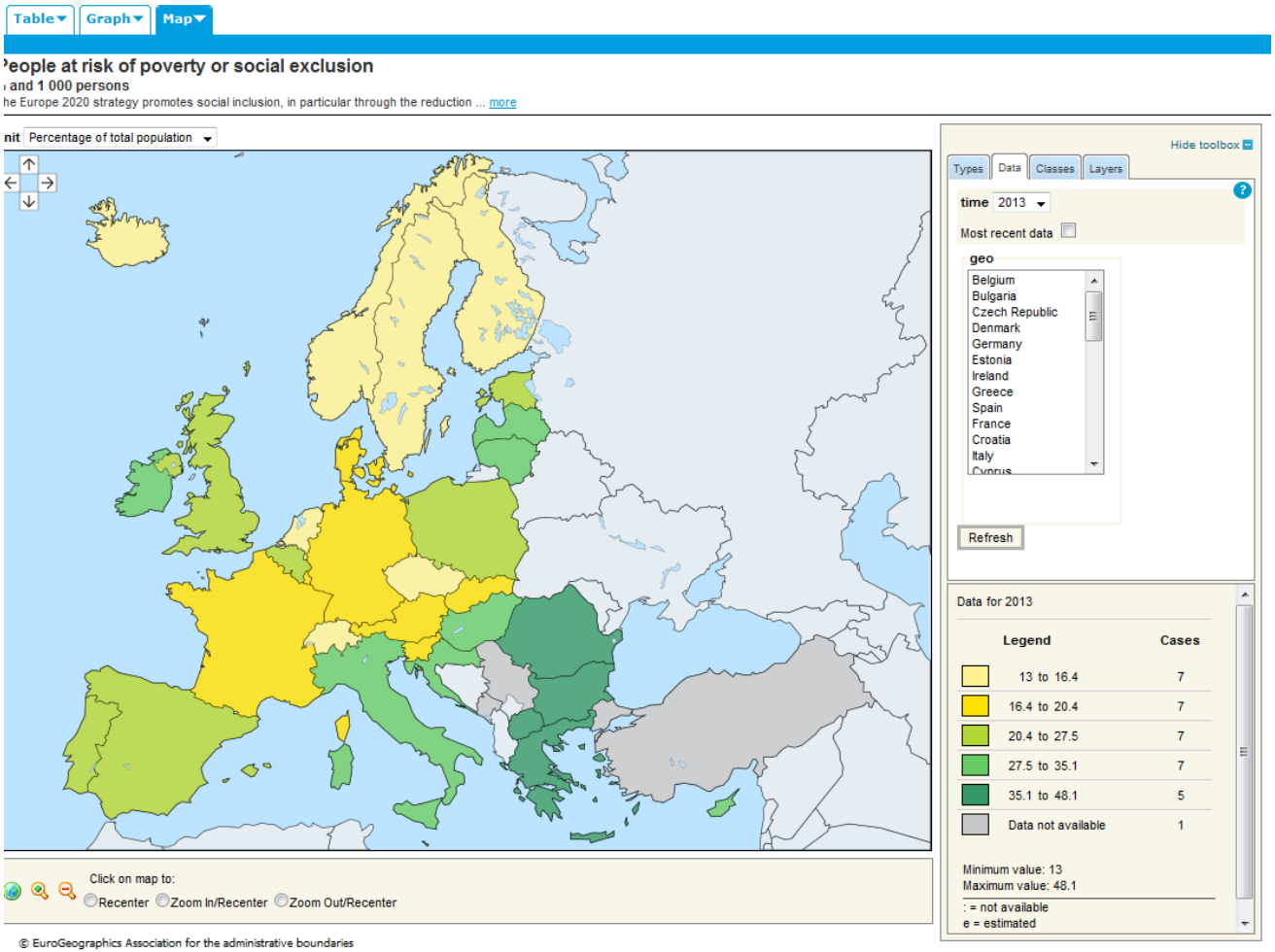
PRESS, PRINT, WEB, INTERNAL, EXTERNAL

What is the data format(s) used? –

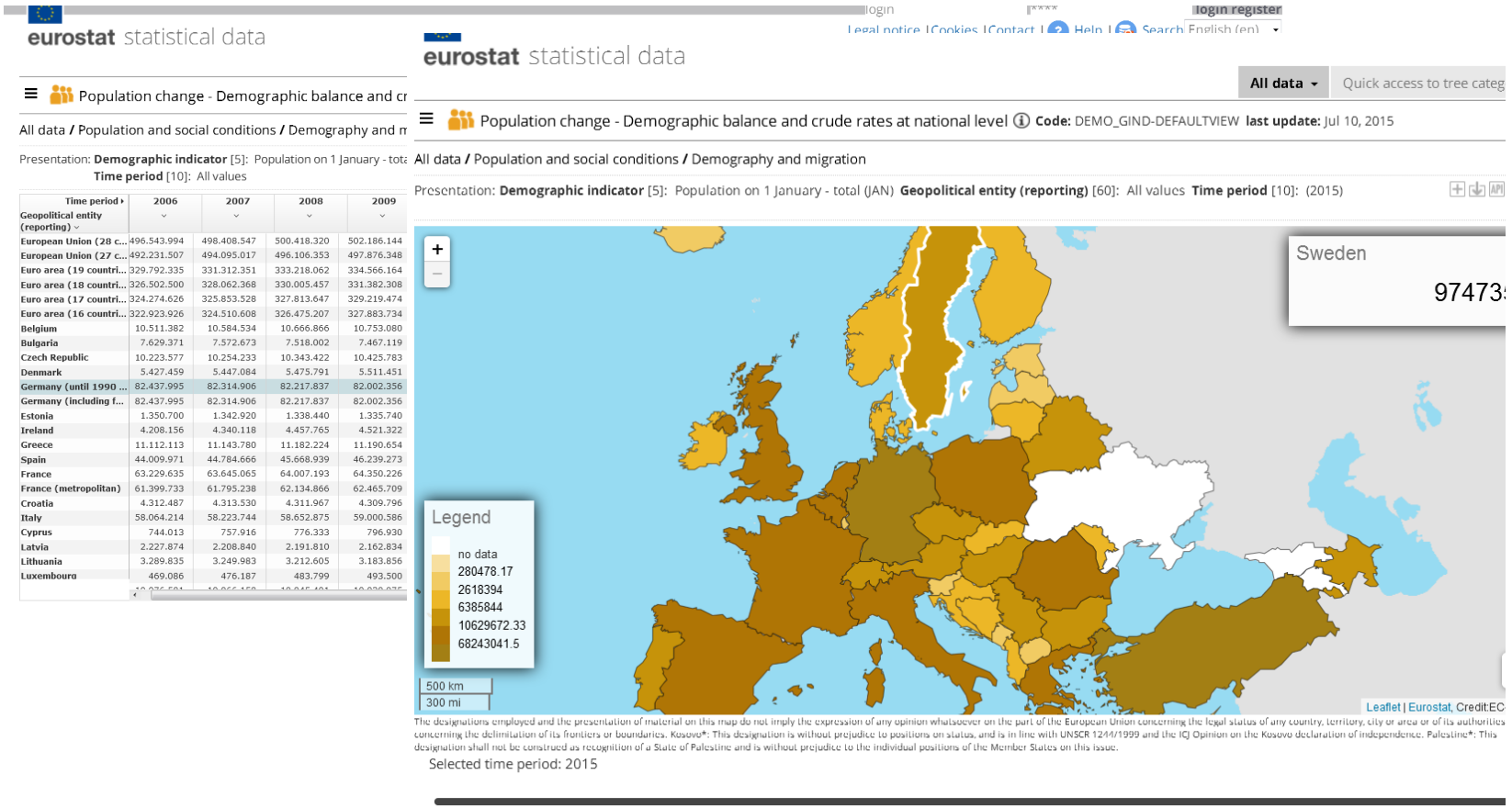
DEPENDS

European Commission

Table Graph Maps (TGM) - ONLINE



ESTAT's Dissemination Portal (2017) - ONLINE



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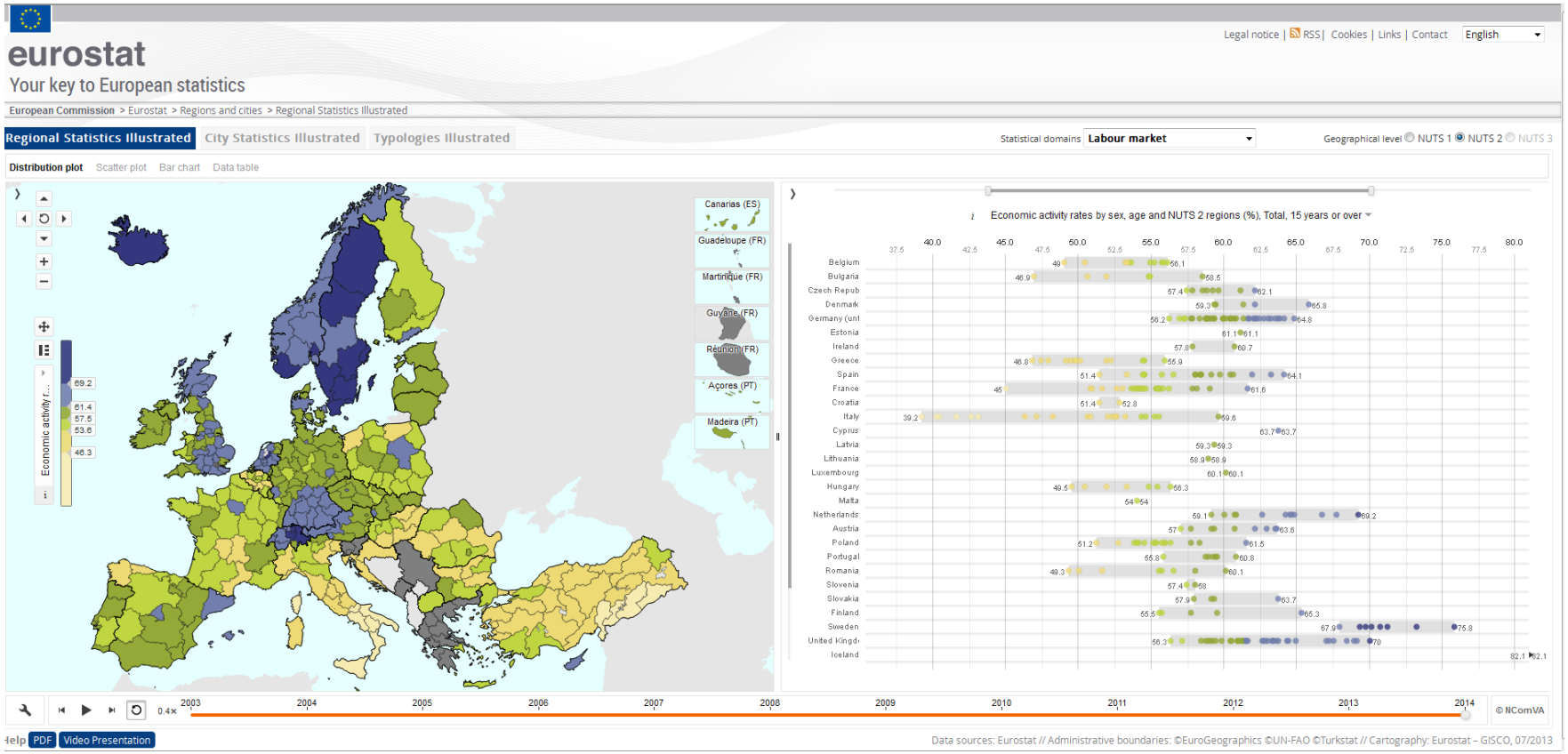
Regional Statistics Illustrated - ONLINE



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Statistical Atlas - ONLINE

Based on Leaflet JS libary
Uses GeoJSON & JSON for data visualization
Cooperate Level Background Services

TOC, Legend

Pendant to printed
Eurostat Regional Yearbook

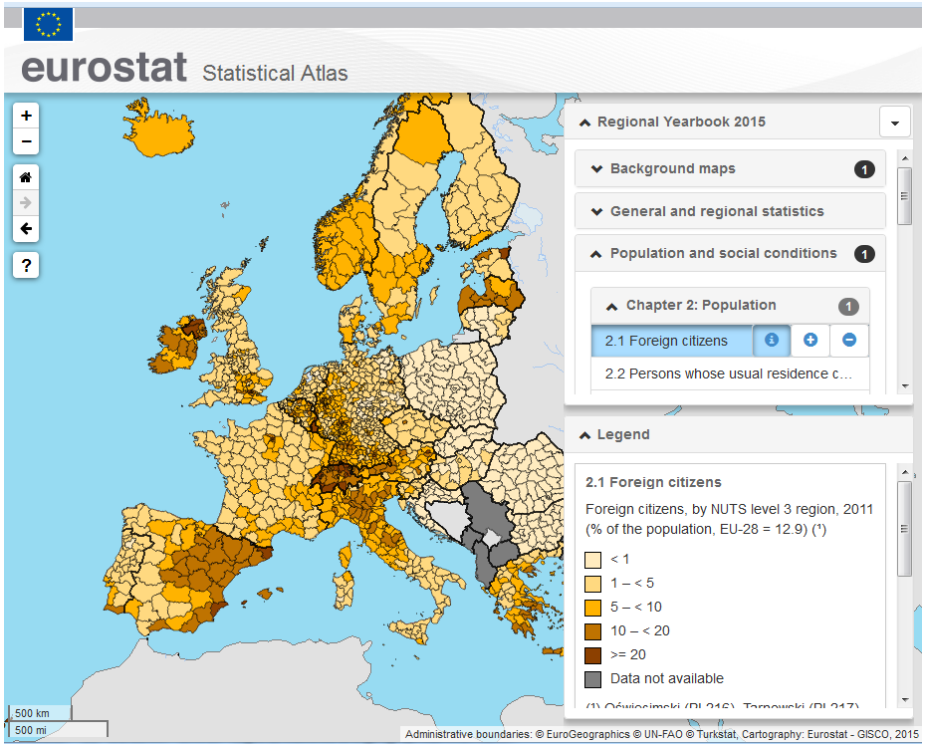

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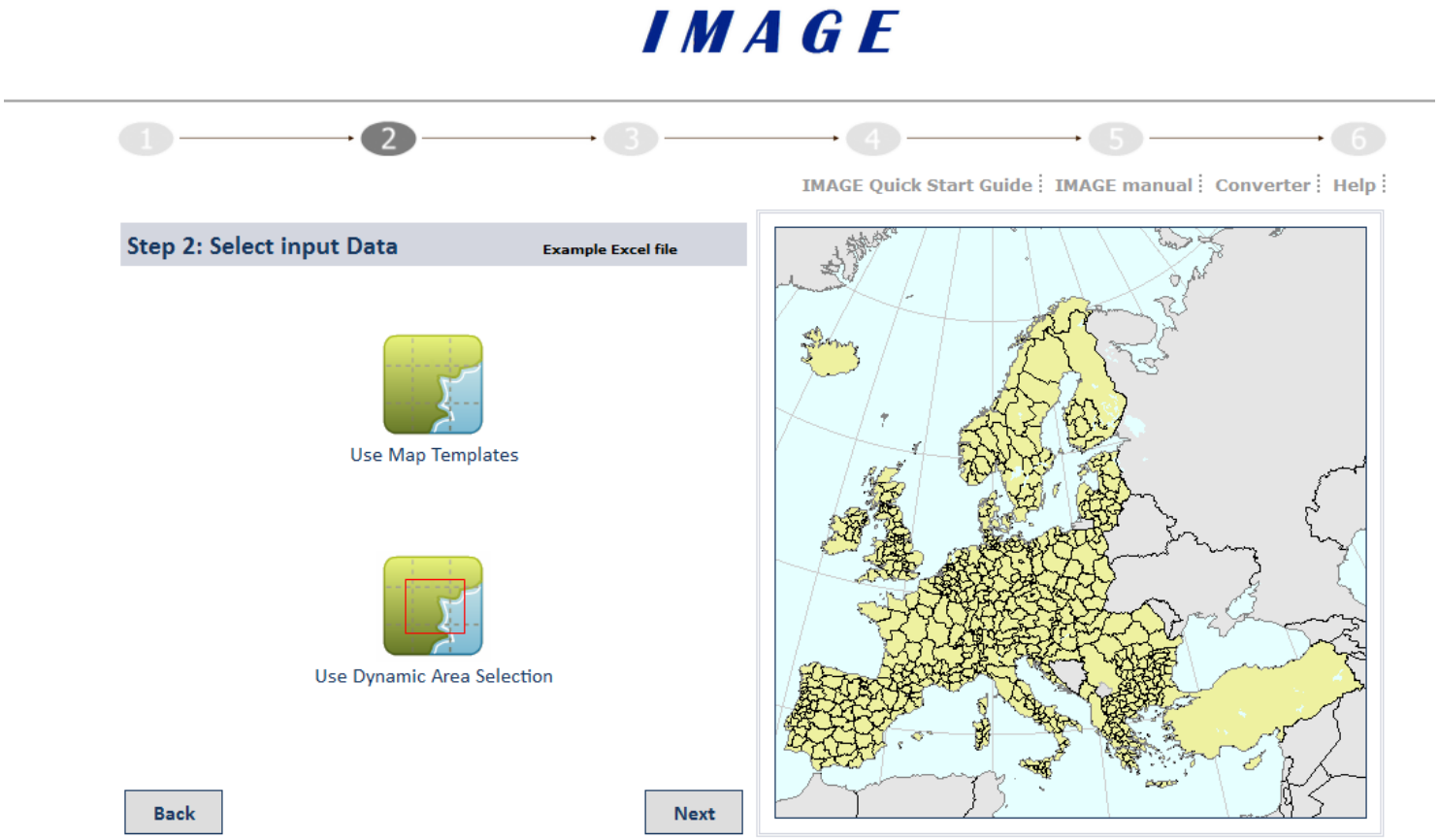
IMAGE tool - OFFLINE



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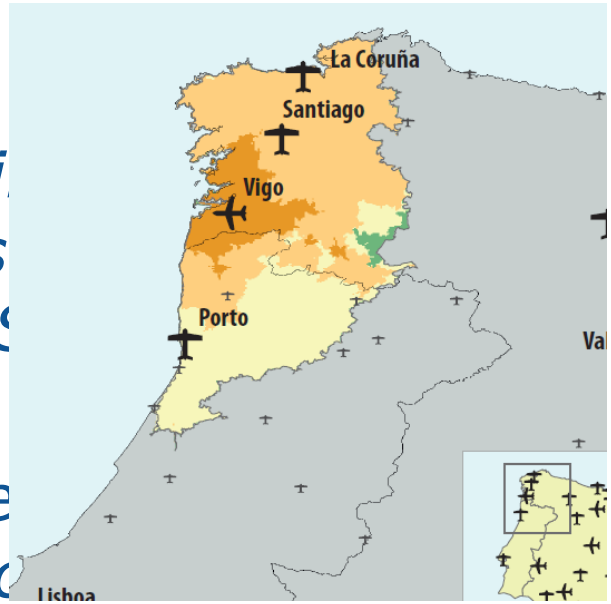
GISCO



EUROSTAT service which coordi
promotes and stimulates the us
within the European Statistical S
the European Commission.

It is responsible for the manage
dissemination of the Geographic
reference database of the Commission.
(Maps, spatial analysis, geo-referencing of statistics, user support).

GISCO also works on implementing the INSPIRE initiative within the Commission and within the ESS.

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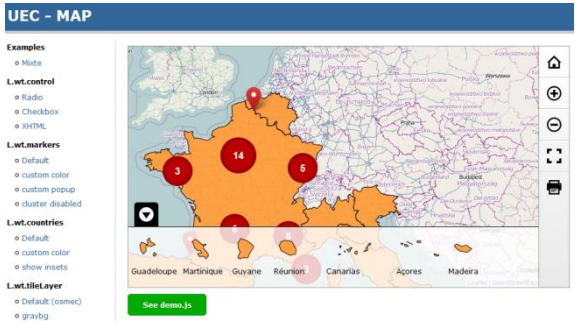
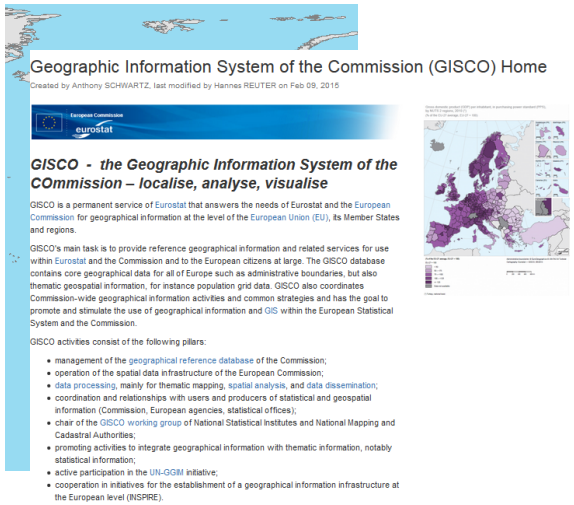
DG COMM
WEBTOOLS

DG ESTAT (GISCO) & other DGs
DATA & SERVICES & GUIDANCE





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Background Services

+ several more

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ESTAT

Solutions

Webtools mapping framework.

Background services.

Vector datasets.

Mapping issues – (Sensitive + Overseas regions)

Copyright declarations.

EC Webtools mapping framework

Based on Leaflet.js

Mobile first; responsive

Dynamic customizable markers plus clustering

Clickable, stylable country and region outlines

Outermost regions

Implementable on europa.eu and any sub domain

Documentation

Example TAXUD *Example BUDGET FOR RESULTS*

Thanks for your attention

WEBTOOLS @COMM
https://webgate.ec.europa.eu/fpfis/wikis/display/webtools/Maps

DATA+SERVICES @ESTAT (GISCO)
http://ec.europa.eu/eurostat/web/gisco/overview

Vector Datasets – Webtools maps

Border vector data for all countries in the world

Border vector data for NUTS regions level 1 to 3

Supplied and maintained by ESTAT

Demo page

Tax good governance in the world

Sensitive Areas

- *Cyprus*
- *The former Yugoslav Republic of Macedonia*
- *Serbia and Kosovo*
- *India and Pakistan*
- *Golan heights*
- *Sudan and South Sudan - Abyei region*
- *Taiwan*
- *Western Sahara*
- *Palestine*

https://webgate.ec.europa.eu/fpfis/wikis/display/GISCO/Mapping+of+sensitive+areas

Copyright Declaration

In general

EN: © EuroGeographics for the administrative boundaries
FR: © EuroGeographics pour les limites administratives
DE: © EuroGeographics bezüglich der Verwaltungsgrenzen

Depending on the dataset (NUTS, worldwide cover)

© UN-FAO © Turkstat

Vector Datasets – GISCO Reference Database (I)

GISCO Database – ArcGIS

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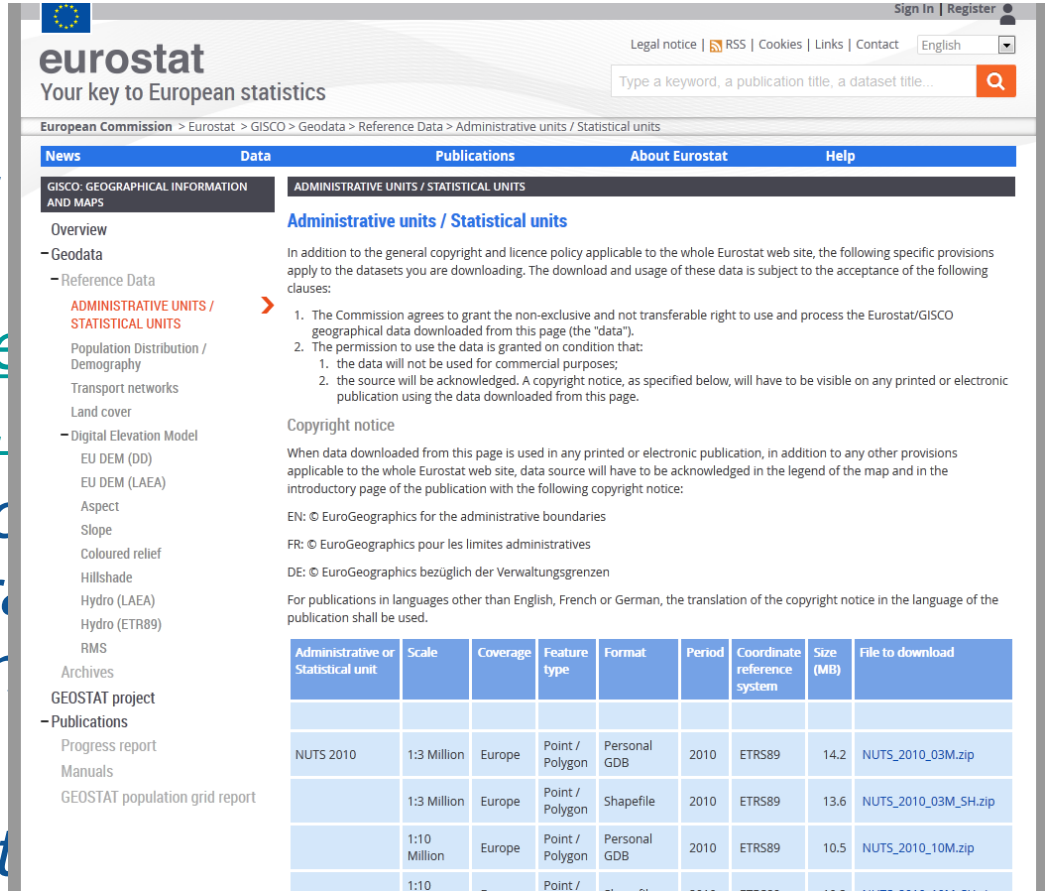
connect\giscoread.

https://webgate.ec
GISCO/The+geogr
f+the+Commissior

Administrative Unit

http://ec.europa.eu/eurostat/web/gisco/geodata/reference-data/administrative-units-statistical-



Background Services

EC Webtools (DG COMM)

- Maps - Plugins - L.wt.tileLayers
- Demo page
- Standard Open Street Maps

INSPIRE@EC (EC geoportal – DG ESTAT):

- https://webgate.ec.europa.eu/estat/inspireec/gis/arcgis/rest/

Statistical Atlas: (DG ESTAT)

- http://ec.europa.eu/eurostat/statistical-atlas/gis/rest