



Integration of Statistical and Geospatial Information for a Better Europe

**Fourth Plenary Meeting of UN-GGIM: Europe
Brussels, 7 June 2017**

**Mariana Kotzeva,
Acting Director General of Eurostat**

Welcome in the name of

eurostat



**UN-
GGIM:
Europe**

has been a driver for integration and better use of geospatial and statistical information

Eurostat

has been actively engaged with the establishment and development of UN-GGIM Europe

Together

we can provide policy relevant information



European Commission

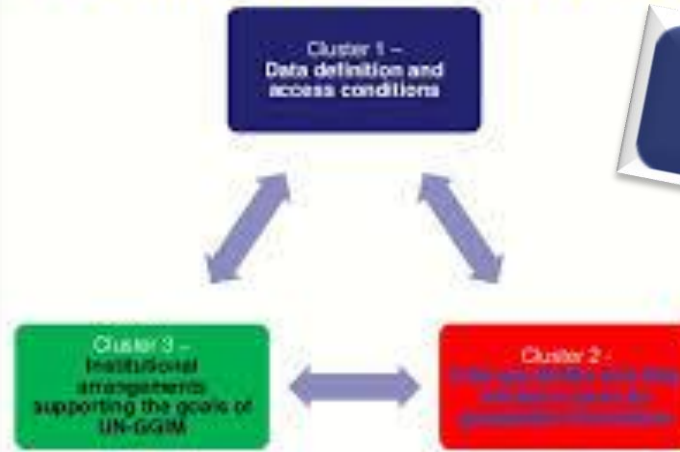


UN-GGIM: Europe Executive Committee

Tomaz Petek, Peter Jer Hvar, Bengt Kjellbom, Jacek Jarzabek, Antonio Arozarena, Andrei Tomopobky, Dorine Bulmanje, Hansjörg Kuttner, Kristian Møller, Ezio Busioletti, Assi to Mr Tomopobky



UN-GGIM: Europe – Working Groups



UN-GGIM: Europe From 2014 on, a success story

Provides a unique forum for UN Member States and international organisations

Fosters the development and use of global and European geospatial information

Helps geospatial authorities to engage with policy makers in Member States

Eurostat - an active partner of UN-GGIM: Europe

- **Organising joint NSI-NMCA expert meetings**
- **Developing methodologies for integrating geospatial data in statistical production (GEOSTAT projects)**
- **Developing geospatial statistics in NSIs ('The merging projects')**



European Commission



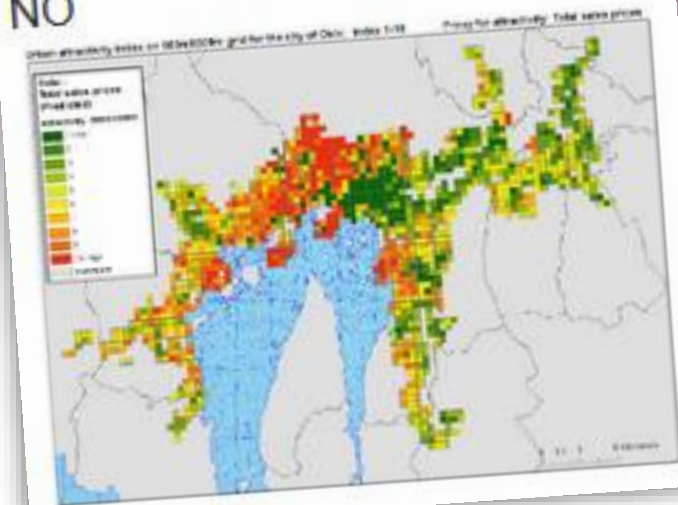
A Point-based Foundation for Statistics

Final report from the GEOSTAT 2 project

PL



NO



PT

BSE (BSE) / COM

Map (1:1)

Status	Total	%
Unaffected	1,540	100%
Unaffected	24,607	159%
Total	40,147	260%



... and together with the European Commission

- Provides funds for the building of national capacities and spatial infrastructure
- Works to put up **INSPIRE** services



EUROPEAN LOCATION
SERVICES



NSIs and NMCAs together have achieved a lot...

- **Making more geographical and statistical data available**
- **Developing innovative methodological and dissemination solutions**
- **Increasing awareness of the potential of geospatial statistics for policy-making**

Much more could and should be done...

- **In response to the increasing demands for high-resolution geospatial statistics**
- **To use the momentum created by the UN 2030 agenda and the last year UN initiatives on geo-spatial statistics**

The key challenge is:

To combine geospatial and statistical data in a production infrastructure. Only then we can unleash their full potential.





European
Commission

It's time to act!

- **UN 2030 agenda: 'Leave no one behind!'**
- **The debate on the Future of EU and the increasing focus on bringing more EU added value to EU programmes**





European
Commission

SDGs call for more location and disaggregated data





European
Commission

Rising demands for geospatial statistics in the EU



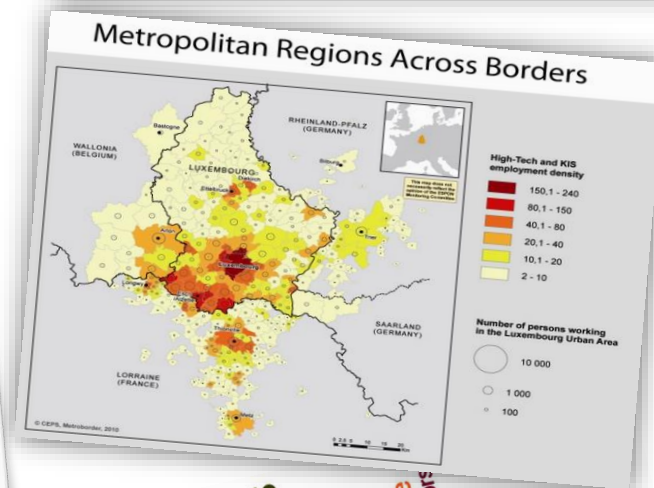
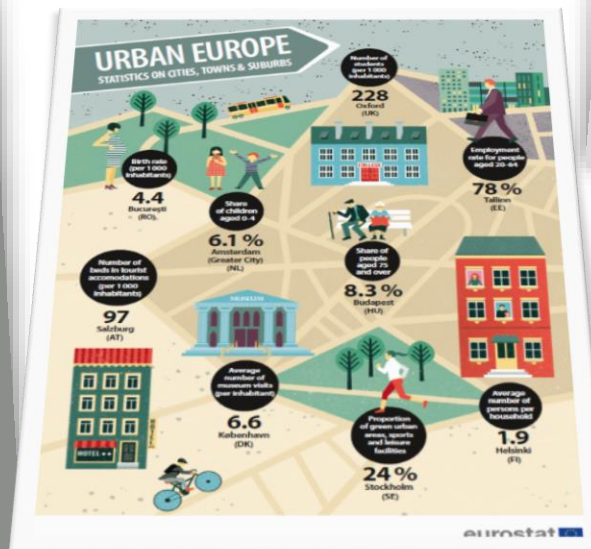
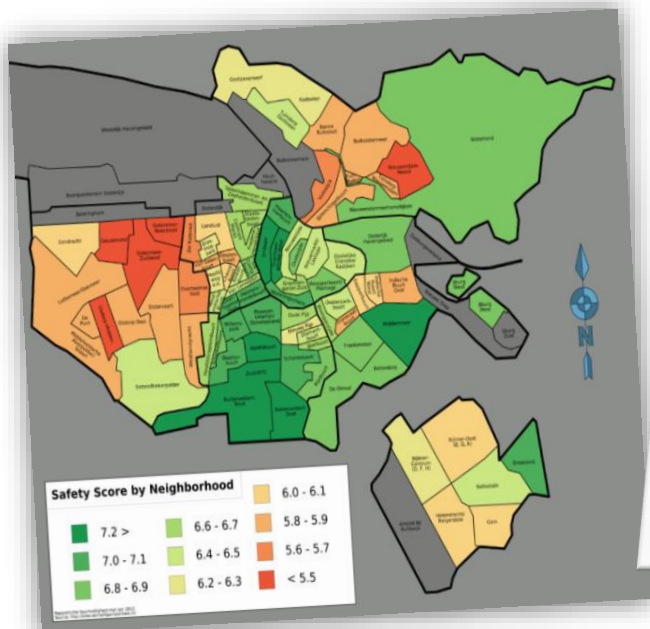
Sources: Wikimedia



European Commission

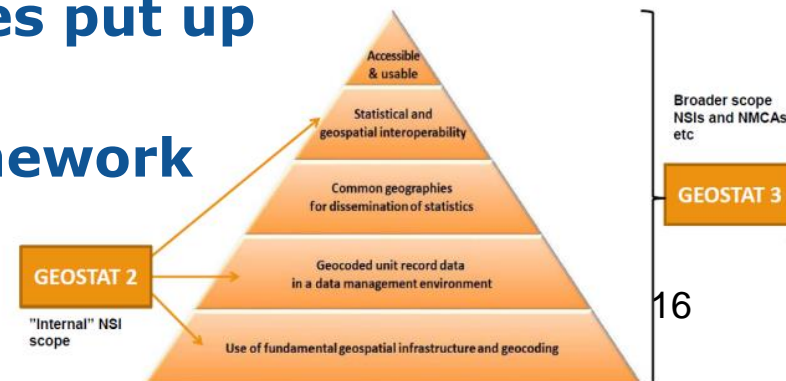
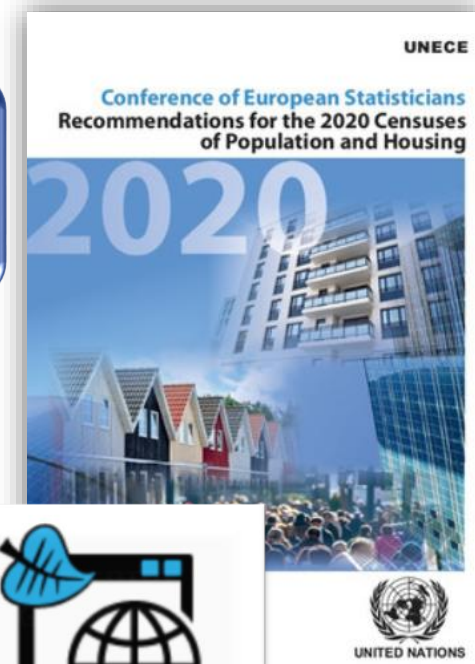
How do statistical-geospatial data support EU policies?

- Faster and more accurate information
- Capture better spatial diversity
- Better cross-border and small area analysis
- Regain citizens' trust thanks to proximity



We have a historic opportunity thanks to:

- The adoption of the **Global Statistical Geospatial Framework** by the **UNSC** in **March 2017**
- The **UNECE** census recommendations advocating the creation of **1km² population grids**
- The increasingly available national geo-spatial information services put up under **INSPIRE**
- Improved methodological framework (**GEOSTAT** projects)



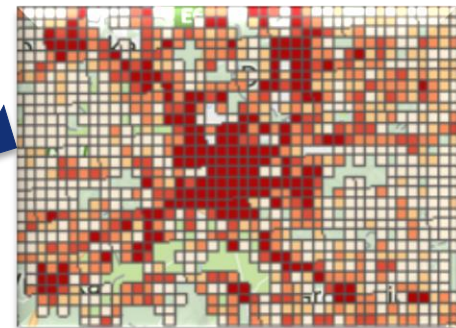
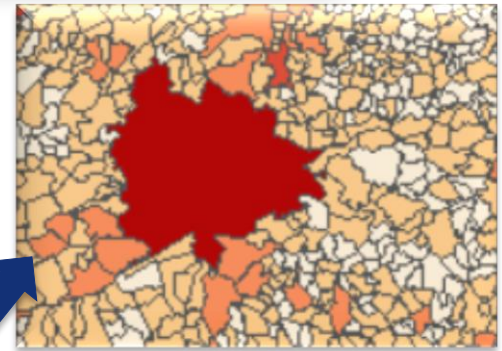
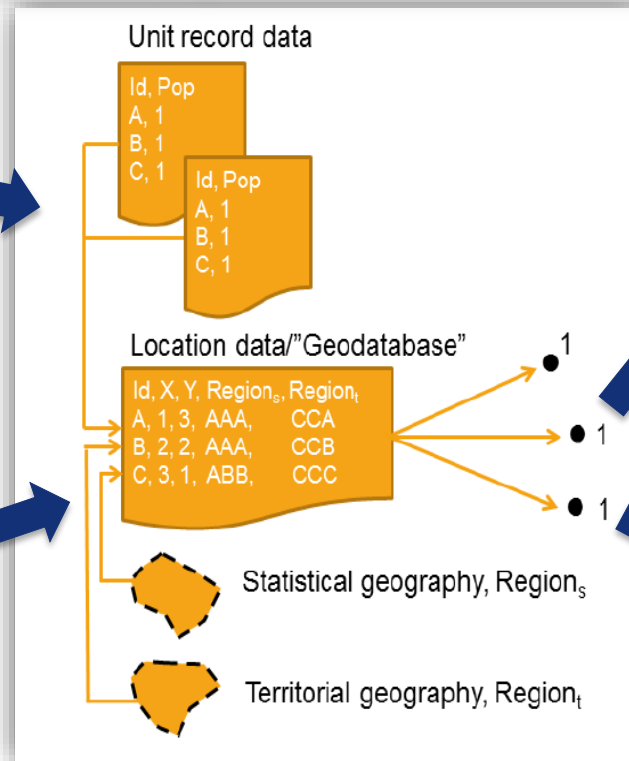
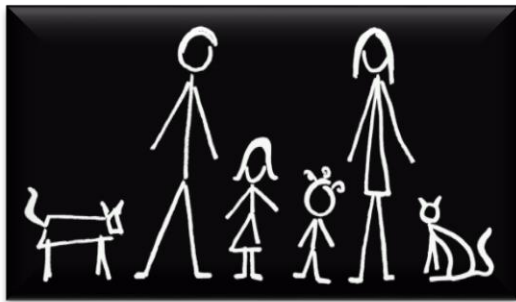
The opportunity provided by the 2021 census - once in a decade

- **To create the infrastructure for geo-spatial statistics**
- **To collect at the same time geo-spatial and statistical information**
- **To implement the European Statistical Geospatial Framework**
- **Census 2021 – first ever legislation on EU geospatial statistics**
- **To prepare the post-2021 censuses with full and permanent geospatial integration**



European
Commission

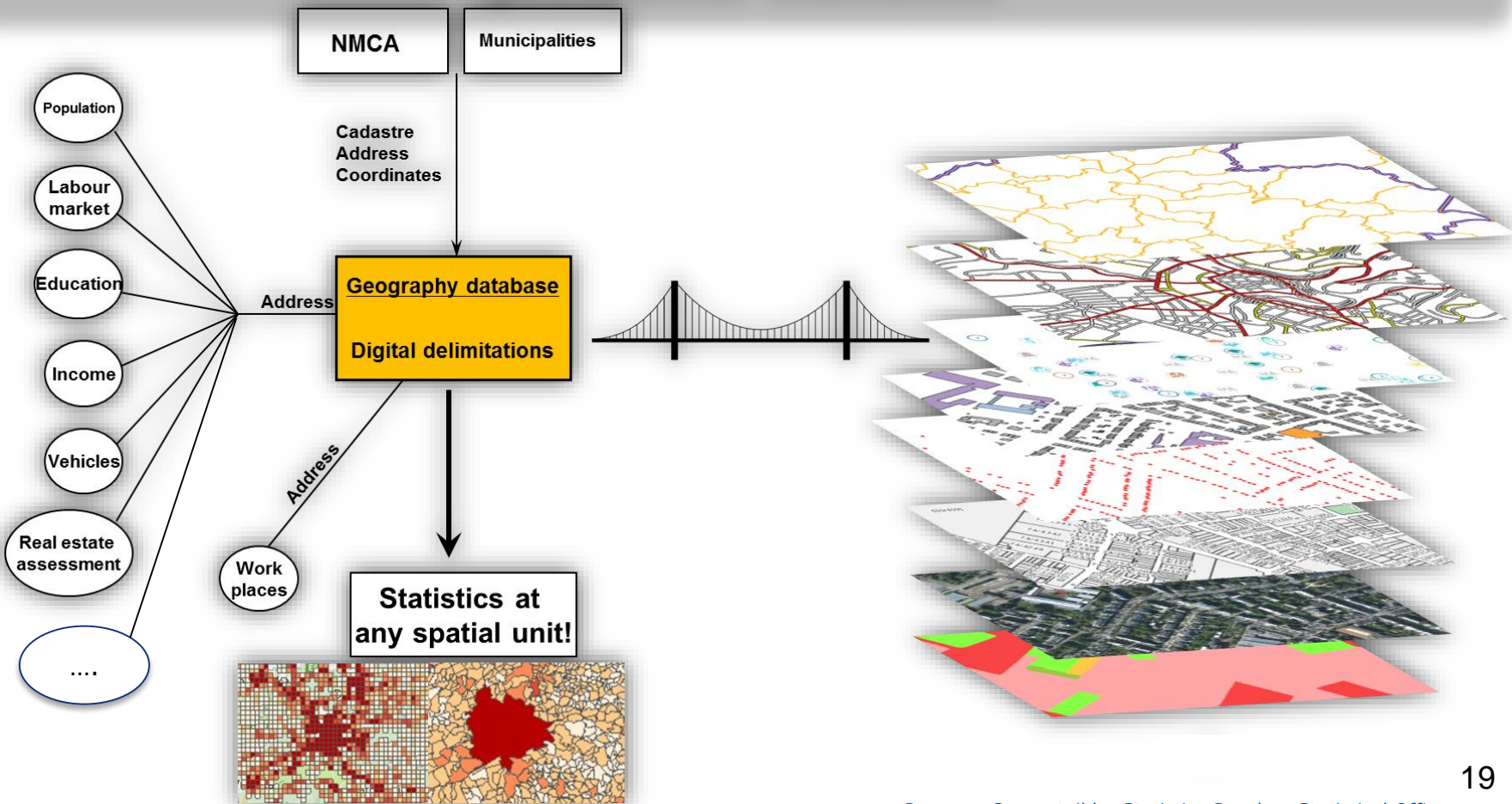
Census 2021 – recommended production model





European
Commission

Post 2021 – full recommended production model for geospatial statistics



Other challenges and opportunities

- **To increase awareness of the benefits of initial investments that pay off in the long-run**
- **To encourage formal legal or institutional arrangements (Memoranda of Understanding) between NSIs and NMCAAs to enhance systematic and sustainable cooperation**
- **To ease access to basic geospatial data by NSIs (fees, legal restrictions, copyrights)**

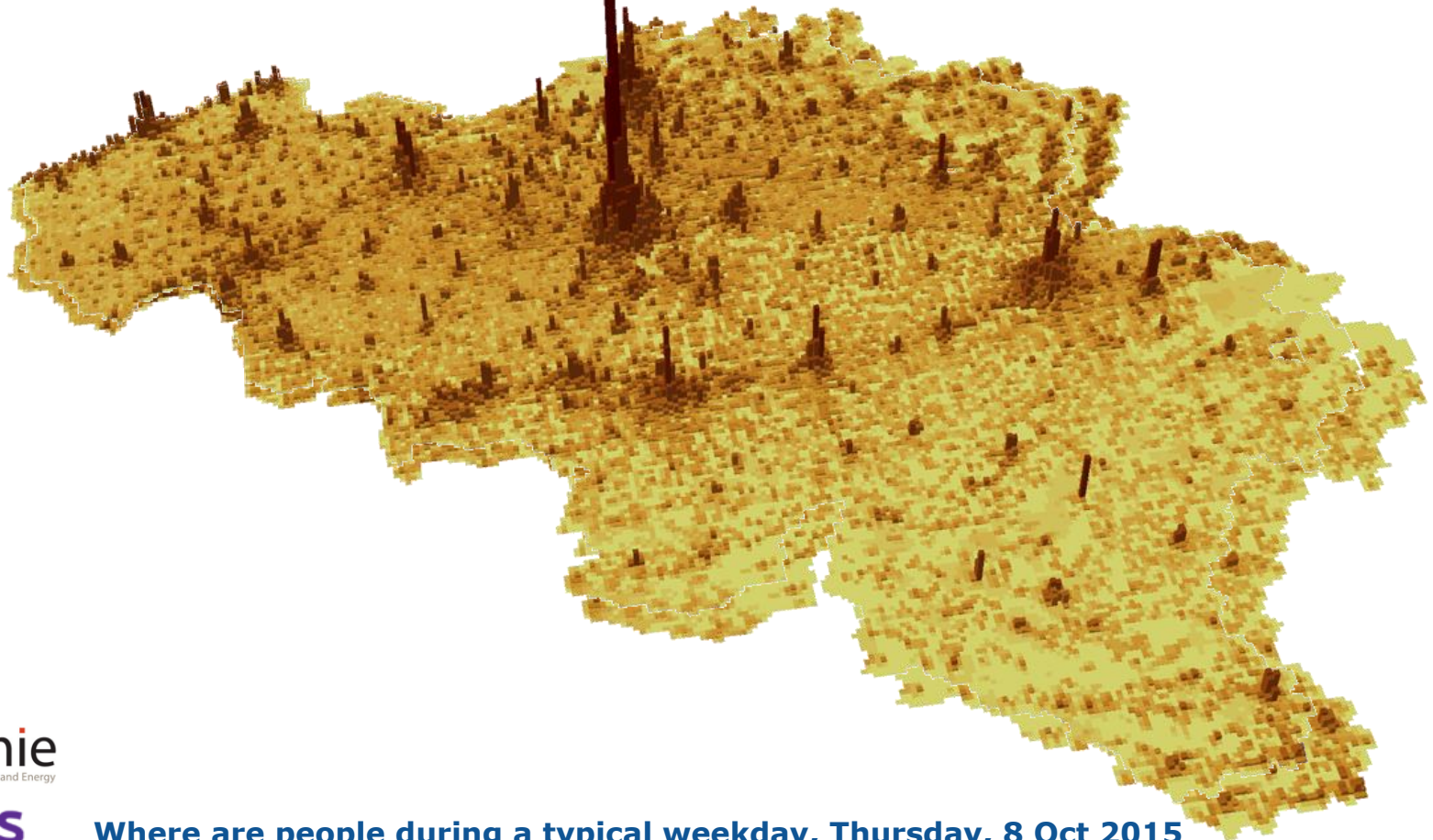
Other challenges and opportunities

- **Harmonised approach to statistical disclosure control**
- **Capacity building and training of staff in NSIs**
- **Partnerships with other geospatial stakeholders (i.e. space agencies and mobile phone operators)**



European
Commission

Remember the time ... Population at night and at noon



 **economie**
FPS Economy, S.M.E.s, Self-employed and Energy

 **proximus**

Where are people during a typical weekday, Thursday, 8 Oct 2015

Eurostat



European
Commission

Conclusions

Geospatial statistics are essential to support EU and national policies and sustainable development

A geocoding infrastructure for administrative and statistical data is an essential condition for geospatial statistics

The 2021 round of censuses will be the first and most important milestone in building these infrastructures

Eurostat will support this process in cooperation with UN-GGIM to achieve genuine data integration