Eurostat: Update on latest activities

9th Joint UN-GGIM: Europe - ESS - UNECE Meeting on the Integration of Statistical and Geospatial Information

3 October 2023, Belgrade
Overview

- GISCO team – Role and main tasks
- Recent and ongoing work
- Activities planned for 2023 / 2024
Permanent service of the European Commission (Eurostat)

Provide reference geographical information and related services for use within Eurostat, the European Commission, and to the European citizens at large

- Infrastructure and tools, relevant geospatial data

Answer the needs of the European Commission, Eurostat and – to some extent – of the Member States for geographical information at the level of the European Union, its Member States and regions

- Specialized resources, guidance and training, thematic mapping/data and spatial analysis

Contribute to, and coordinate, the work in the European Statistical System on the integration of statistical and geospatial information
GIS ecosystem / stakeholders

European Commission
GIS collaboration

International Organisations / Associations
[UN-GGIM, UNECE, EFGS, EuroGeographics…]

European Statistical System / EU Member States

Other EU Institutions and bodies
Current main activities

- Management of the **geographical reference database** of the European Commission
  - Collection, validation and dissemination of geospatial data for use by EC and other EU Institutions / bodies

- Operation of the **spatial data infrastructure** of the European Commission (servers / cloud, map services, routing, geocoding, IMAGE, Statistical Atlas…)

- Coordinate mapping activities within the EU Institutions and provide guidelines for correct mapping (e.g. with trainings, support and advice)

- Data processing, mainly for **thematic mapping**, data dissemination and **spatial analysis** like:
  - How long does it take on average to drive to the closest hospital?
  - How accessible are education facilities?
  - What is the population density in specific areas?
Recent and ongoing work (I)

- **CENSUS 2021 and grid data**
  - Update of the administrative / statistical units’ boundaries
  - Data validation and visualization
  - Support dissemination of results

- **Geospatial datasets**
  - Process definition for ‘experimental’ data collections on education and health and its expanding to other topics / services
  - Develop spatial analysis based on needs of policy DGs / thematic units in ESTAT
  - Improve process when relevant for core datasets management (e.g. admin. / statistical units, addresses, postal codes, POI…)

- **Implementing of NUTS 2024 based on new Regulation**
Example: Support for CENSUS 2021
Example: Pan European Datasets

- Addresses
- Utility services
- Transport Networks
- Building Units
- Cadastral Parcels
- Administrative Units
Spatial analysis: Healthcare / Education Accessibility (I)
Spatial analysis: Healthcare / Education Accessibility (II)

Green Spaces (EEA). Average of urban green space within 300m around educational facilities.

Urban Rural Publication
Recent and ongoing work (II)

➢ Financial support: New series of grants to support Member States

➢ Technical support

  ✓ Various dissemination-related activities (e.g. production of maps for the Eurostat Regional Yearbook and other publications)

  ✓ Update of mapping tools (IMAGE, Statistical Atlas), freely available for users

  ✓ Update of transport matrixes

➢ Earth Observation for statistics

  ✓ Implementation of the Warsaw Memorandum and recommendations from the 48th Meeting of the European Statistical System Committee (February 2022)

➢ Follow-up of relevant legislation implementation
Example: Published maps

Map 12.4: Forest connectivity, 2018 (% of forests in a fixed local neighbourhood area)

Map 12.3: Travel time to nearest hospital, 2020 (minutes, by 1 km² grid cells)
Example: Visualisations
Example: Railroad matrixes
Data sources used

- Topographic, cadastral, administrative division data from NMCAs and EuroGeographics
- National and EU geoportals and geo-catalogues, usually open and free data
- Commercial and public open-source data
- Data from other organisations (e.g. EU agencies, UN…)

- Statistical data from NSIs and Eurostat

Goal is to improve / streamline the processes
Activities planned for 2023 / 2024 – Cooperation

UN-GGIM and UNGGIM: Europe
- Member of the Executive Committee
- Following and contributing to the work of its working groups (e.g. EG-ISGI, Line of work on Data Integration and on SDGs): webinar series
- Support to the organisation of the UNGGIM: Europe Plenary 22-23 November 2023, Brussels
- Regular exchanges at technical and management level

EFGS – European Forum for Geography and Statistics
- Observer in its Steering Committee
- Supporting the work of the EFGS including the EFGS conferences

Next meeting of the Expert Group Integrating statistical and geospatial information (known also as GISCO WG)

Save-the-date: 12-13 March 2024 in Luxembourg
Thank you!

https://ec.europa.eu/eurostat/web/gisco

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