

Report from the European Forum for Geography and Statistics



dr. Janusz Dygaszewicz

President of EFGS

***Director of ICT Systems, Geostatistics
and Census Department***

Statistics Poland



The EFGS



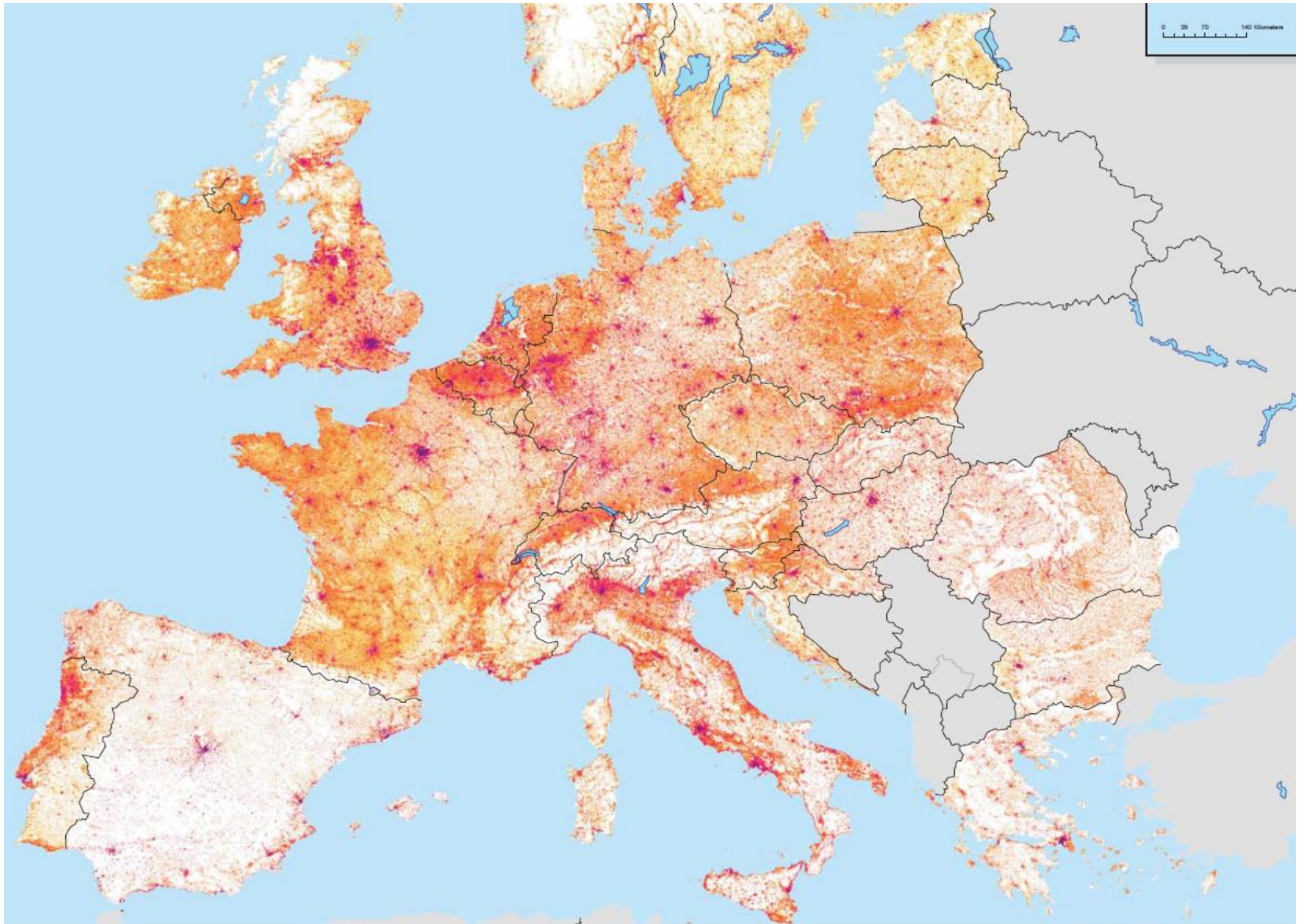
- The longest running network of geostatistics experts with a deep history going back to 1998.
- Initially, it was based mainly on staff from European National Statistical Institutes.
- It works in cooperation with Eurostat (for GEOSTAT projects under the Eurostat umbrella).
- Nowadays it brings together more and more experts from mapping agencies, researchers and scientists.
- It is based on voluntary commitment and effectively implements the integration of the statistical and geographical communities **in practice**.



EFGS ACHIEVEMENTS

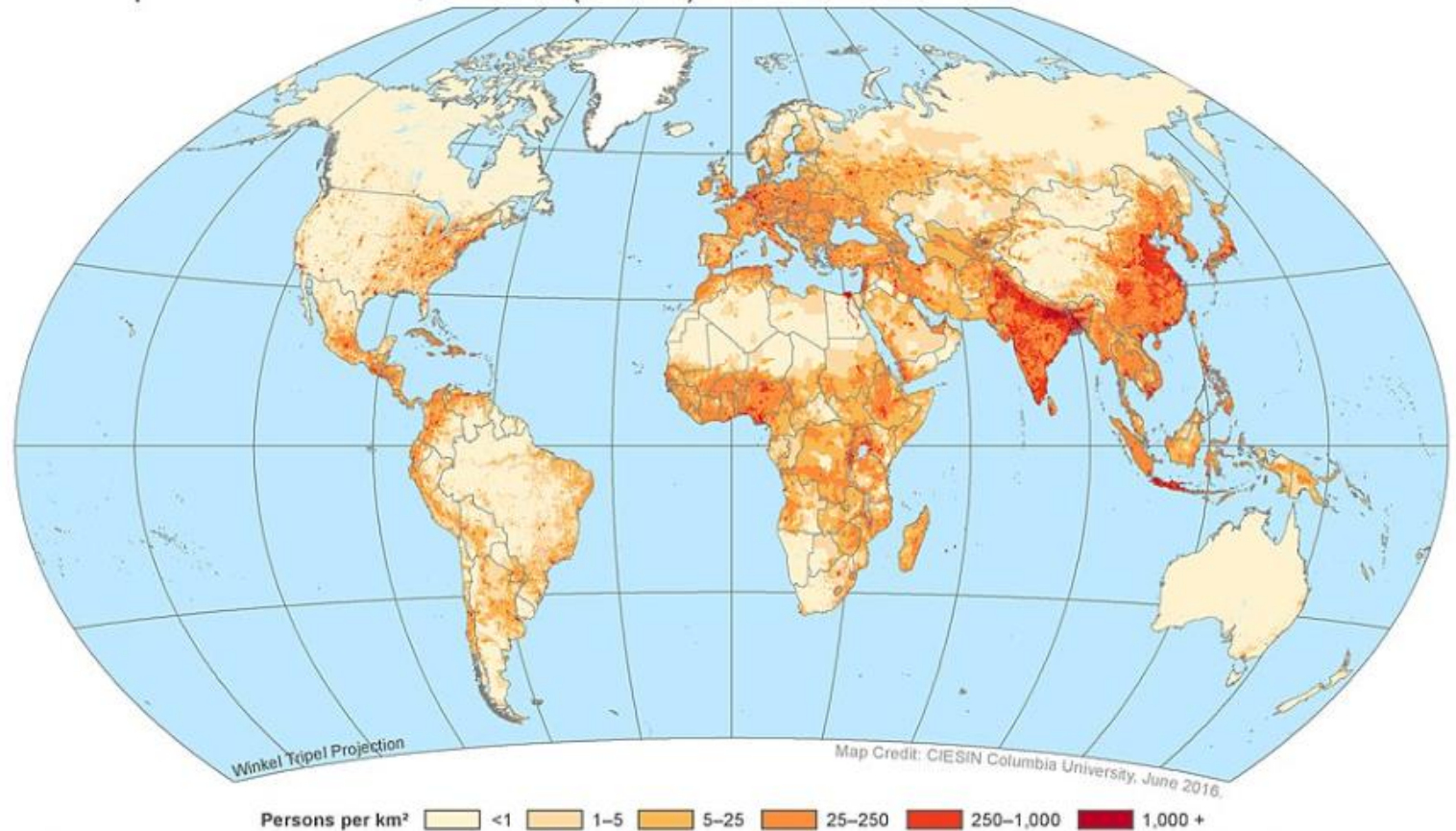


- Creation of model for a **point-based geocoding infrastructure for statistics** as the base for the collection and dissemination of statistical data. (GEOSTAT 2 project);
- **Recommendations** on the improvement of the **GSBPM** to make it more adequate from the point of view of **geospatially related statistical production processes** (GEOSTAT 2 project);
- **GSGF Europe - Implementation guide for the Global Statistical Geospatial Framework in Europe** (Proposal from the GEOSTAT 3 project);
- Preparation of the **Handbook of Spatial Analysis** to promote, develop and consolidate the use of specific statistical methods for geospatial analysis;
- Population distribution in 1 km² **grid** for Europe.



Population Density Grid, 2015: Global

Gridded Population of the World, Version 4 (GPWv4)



Gridded Population of the World, Version 4 (GPWv4) Population Density consists of estimates of human population density based on counts consistent with national censuses and population registers, for the years 2000, 2005, 2010, 2015, and 2020. A proportional allocation gridding algorithm, utilizing approximately 12.5 million national and sub-national administrative units, is used to assign population values to 30 arc-second (~1 km) grid cells. The population density grids are derived by dividing the population count grids by the land area grids. The pixel values represent persons per square kilometer.

Center for International Earth Science Information Network Data Source: Center for International Earth Science Information Network - CIESIN - Columbia University, 2016. Gridded Population of the World, Version 4 (GPWv4): Population Density. Palisades, NY: NASA Socioeconomic Data and Applications Center (SEDAC). <http://dx.doi.org/10.7927/H4NP22DQ>.
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EFGS WORK PROGRAMME



- Development of the **best practices** in the production of geostatistics in Europe;
- Development of **partnership** between **NSIs** and **NMCAs** on equal terms;
- A **fully geocoded 2021** population and housing **census**;
- Completion of the **GSGF Europe** and support its implementation in the organisations (on going GEOSTAT 4 project);
- Organizing annual **EFGS conferences** strengthening the importance of statistical and geospatial integration and cross-domain collaboration.



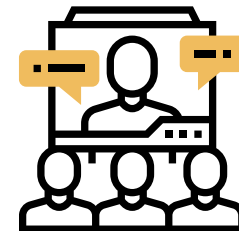
EFGS CHALLENGES



- Supporting Eurostat and NSIs for a **fully geocoded 2021** population and housing **census**;
- Works on cooperation and common approach to linking statistical data with geospatial information with **UN-GGIM: Europe, UNECE** and **Eurogeographics**;
- Statistical-geospatial information system for sustainable development;
- Finalise the methodological work on the **GSGF for Europe** and encourage Member States to implement the framework;
- Harmonization a statistical reference system with a geodetic reference system on the base of „**The 10 Level Model**” and **Global Statistical Geospatial Framework (GSGF)**;
- **New** data sources and tools.



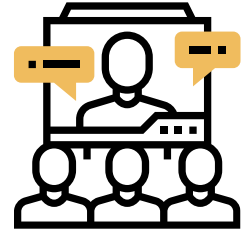
EFGS 2020 WEBINAR



- **20-21 October 2020;**
- The Webinar was organized by **Statistics Poland** with the support of EFGS, Eurostat and Head Office of Geodesy and Cartography in Poland;
- The long-established **partnership** between the statistical and mapping community;
- A good example of **collaboration** between statistical and mapping institutions;
- The unique and productive objectives of the EFGS were reminded as statisticians and geospatial experts come together from **NSIs and NMCA**s on equal terms.
- The Webinar gathered more than **300 participants** from almost **60 countries** around the **world**.



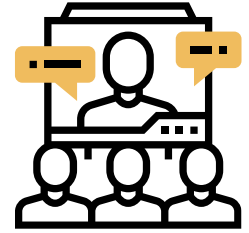
EFGS 2020 WEBINAR



- During the event five sections of the **GSGF principles** were explored.
- Opportunity to share experience and knowledge on integration of geography and statistics in the context of **implementation of GSGF**, depending on **development and possibilities** in different countries.
- Some national experiences highlighted how current **implementation guidance** has been **applied within the European Statistical System (ESS)**, but also identified **some gaps** within this guidance.
- Accomplishment of building a **European address database**, shown by Eurostat, is a very good beginning of the collection and **standardization of addresses for European countries**.



EFGS 2020 WEBINAR



- The **COVID pandemic** has given us a greater appreciation for the potential of **data integration** and the need, relevance and **power of data dashboards**.
- Importance of **cross-domain collaboration**.
- All abstracts, **presentations** and **recordings** are published on <https://www.efgs.info/efgs-2020-webinar/>

Building up a European address database – GISCO's first experiences

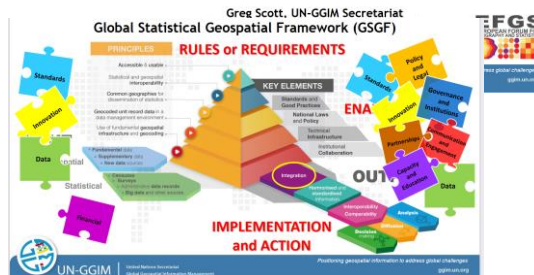
Conclusions (II)

- It's needed to pursue a similar development of other pan-European data e.g. the healthcare and education locations
- long term vision of pan-European data for integration: open, free, accessible, detailed, high quality, centrally available, continuously incrementally updated

CO Team (Hannes REUTER), European Commission, Eurostat

EFGS 2020 Webinar, 20-21 October 2020

The Integrated Geospatial Information Framework (IGIF) and the Global Statistical Geospatial Framework (GSGF)



Association Cartographique Internationale (ACI) International Cartographic Association

The need for more up-to-date statistical data combined with a new common geographic area

For managing global problems

Tim Triner

Association Cartographique Internationale (ACI) International Cartographic Association

Observations

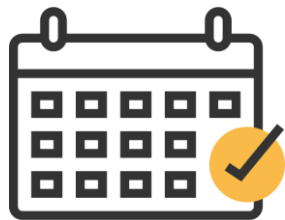
- From Dominik Rozkrut, President of Statistics Poland outlined important principles for this proposal of ideas
 - The correct resolution of the data is needed for decision-making, etc.
 - Variable methods of data collection is the right future for all of us
- Janusz Dygaszewicz reminded us of the unique and productive objectives of the EFGS where statisticians and geospatial experts come together from NSIs and NMCAs on equal terms
 - The EFGS is expanding beyond Europe with 60 countries worldwide and influences future directions

Tim Triner | ACI President | The International Cartographic Association | 21/10/2020, 2020

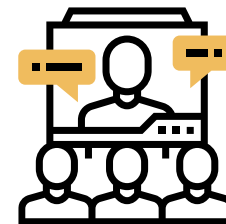


EFGS 2021 CONFERENCE

The next conference will be organized by Germany (Destatis)



7-8 September 2021
In form of on-line conference



Motto:

"Unlocking value from data"

**I warmly encourage you
to participate!**



EFGS MANAGEMENT FUTURE VISION of the PRESIDENCY

After my 3 terms (6 years) I have decided to end my activity as EFGS President and hand over the reins of our forum to good hands,

but...

I have been asked to

one more year of my interim leadership

during a period of transition for our organization.





EFGS MANAGEMENT FUTURE VISION



EFGS next President

1. Representative role – **“face” of the Forum** - together with the Steering Committee:
 - a) Ensure high level representation of EFGS;
 - b) Present EFGS activities - goals and achievements;
 - c) Promote EFGS – popularize and encourage the community to support and get involved in EFGS activities;
 - d) Build good relationship and cooperation with representatives for public statistical communities and mapping agencies.

2. **With support from the Steering Committee (SC)**, the president can rely on members designated to operational roles (e.g. EFGS secretary incl. other roles hopefully to be defined within the Geostat4 project).



EFGS MANAGEMENT FUTURE VISION



EFGS next President

3. A person committed to drive the forum by delegating mandates among its SC members and if needed to other community members, suitable and qualified for the tasks.
4. Dedicated SC members will be active in coordination of activities, provide promotion material as well as support in communication with various geospatial/statistical communities.
5. Election period - two-year term of office from March to March, nominated and elected at EFGS annual General Assembly.
6. All questions regarding EFGS Presidency should be send by email to EFGS Secretary Marina Backer Skar backerskaar@mdmapping.se

Thank you for your attention and welcome to the discussion



dr. Janusz Dygaszewicz
President of EFGS

*Director of ICT Systems, Geostatistics
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Statistics Poland