European Forum For Geography and Statistics 2020 Webinar

Welcome speech

dr. Janusz Dygaszewicz
EFGS President

Director of ICT Systems, Geostatistics and Census Department

Statistics Poland

20 – 21 October 2020

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WHAT IS THE EUROPEAN FORUM FOR GEOGRAPHY AND STATISTICS (EFGS)

- **Since 1998 a network of experts** – primarily working in European National Statistical Institutes (NSI).
- **The first face-to-face meeting** of EFGS took place in Kongsvinger, Norway, in 2006.
- The first **EFGS Conference** took place in Bled, Slovenia, in 2008

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1ST EFGS CONFERENCE

BLED, 2008

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12TH EFGS CONFERENCE

MANCHESTER, 2019

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WHAT IS THE EUROPEAN FORUM FOR GEOGRAPHY AND STATISTICS (EFGS)

- Mainly network of GIS specialists working in National Statistical Institutes (NSIs), but also employees of mapping authorities, Academia and Eurostat.
- **Voluntary work** done by devoted experts with visionary ideas who exchange ideas among network, to provide spatial statistics for Europe.
- Also countries **outside Europe** are active in EFGS and therefore the EFGS is also a good platform to expand activity to a **global forum**.

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SOME FACTS ABOUT EFGS

- **The first news** at EFGS webpage was released in 2010 r.
- Now the **EFGS website www.efgs.info**, which is the reference point for geospatial statistics, is maintained, updated and developed on regular basis.
- Today EFGS has **national contact persons** from more than **40** states and territories.
- EFGS is also **on Facebook**.
- There are **no bindings for membership**, except that national contact persons has to be employees at either national statistical institutes or national mapping or cadaster agencies.

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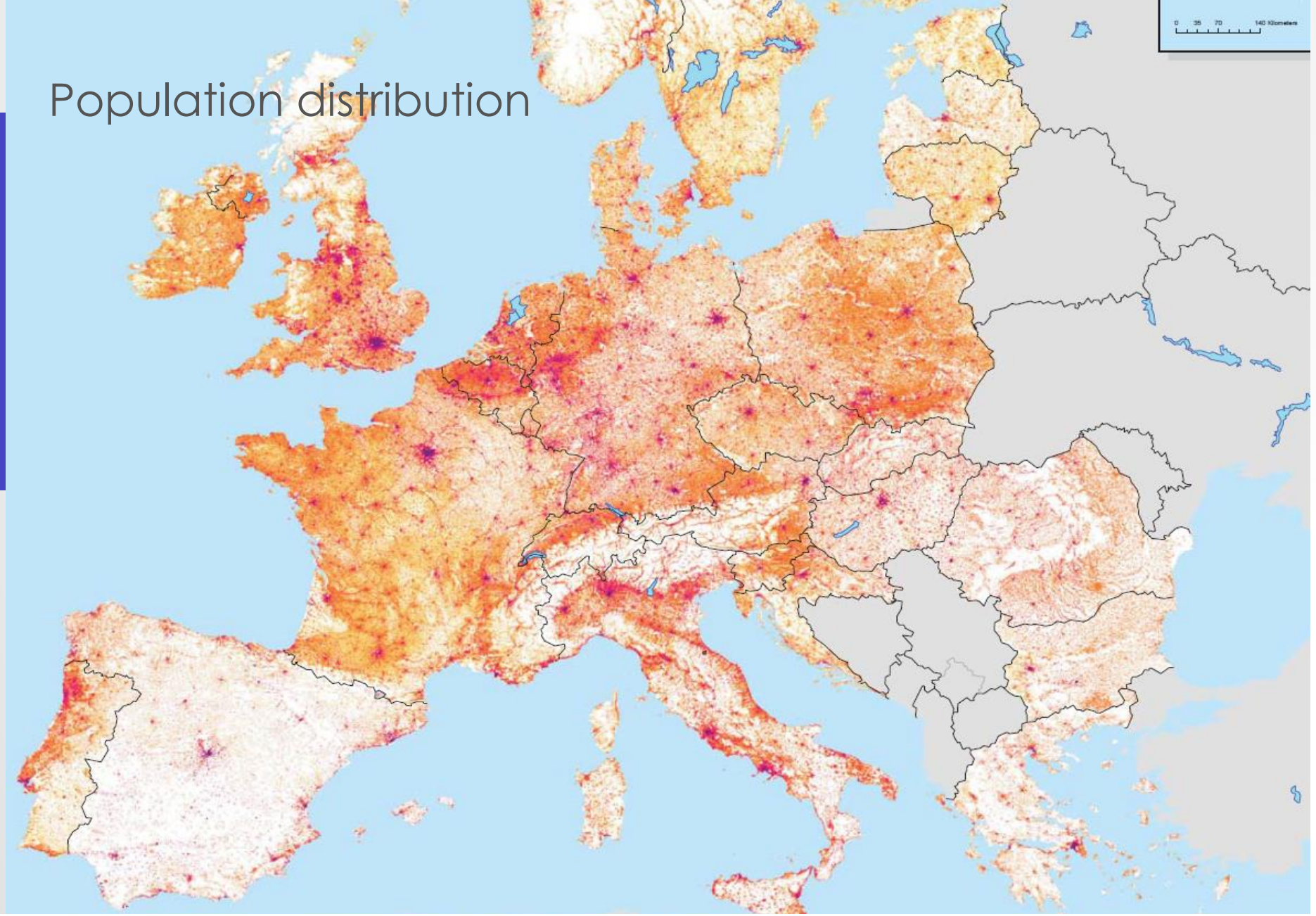
EFGS ACTIVITIES

- **The main goal** - to promote the integration of statistical and geospatial information in public sector information and the use of GIS to build bridges between NSIs and NMCAs.
- EFGS acts as **a reference group for Eurostat** and the project group for **the GEOSTAT projects**.
- Status of **the official Observer Organization of UN-GGIM: Europe (since 2015)**.
- Members of EFGS actively participate in many initiatives at European and global level concerning statistical geospatial information
- For better cooperation the EFGS President is the **Member of the Executive Committee of UN-GGIM: Europe** and participate in the **United Nations Expert Group on the Integration of Statistical and Geospatial Information – UN ISGI.**

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** to UNECE 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 (GSGF) 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 distribution



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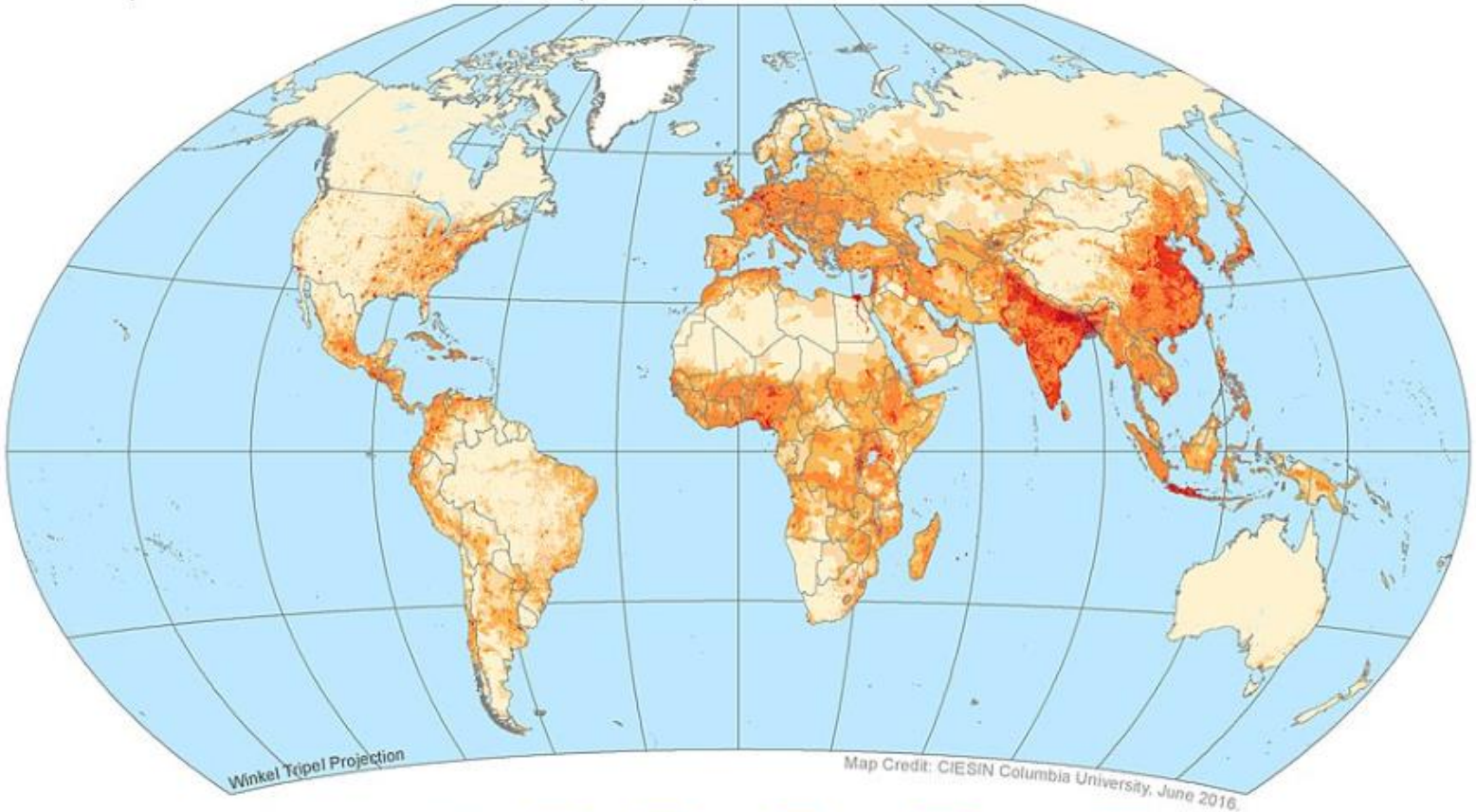
Population Density Grid, 2015: Global

Gridded Population of the World, Version 4 (GPWv4)



Persons per km² <1 | 1–5 | 5–25 | 25–250 | 250–1,000 | 1,000 +

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
Earth Institute | Columbia University

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 CURRENT TASKS

- 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).

EFGS CHALLENGES

- **Spatial statistical indicators** for **Sustainable Development Goals.**
- Works on cooperation and common approach to linking statistical data with geospatial information with **UN-GGIM Europe**, **UNECE** and **Eurogeographics**
- 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 **Global Statistical Geospatial Framework (GSGF)** and „**The 10 Level Model**".

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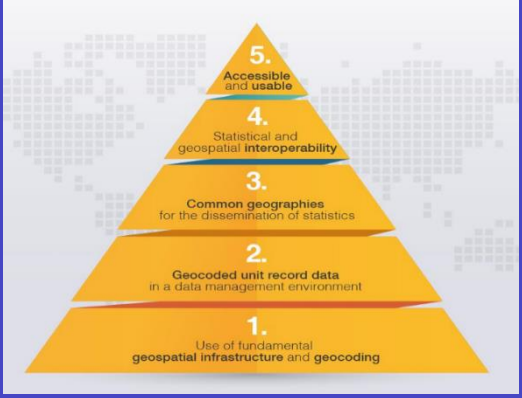
EFGS 2020 WEBINAR



- The Webinar is 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.
- During the event we will explore five sections of the **GSGF principles**, which form the main thematic sessions of the webinar.
- The **EFGS 2020 Webinar** has about **300 registered** participants from **60 countries around the world**

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Thank you for your attention

ENJOY THE EFGS 2020 WEBINAR !

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