



**EuroGeographics - a network that helps members to improve capacities and role**

**Tomaž Petek**

**President of EuroGeographics management Board and General manager of Surveying and Mapping Authority of the Republic of Slovenia**



# CONNECTING YOU TO MAPS, GEOSPATIAL AND LAND INFORMATION FOR EUROPE



#MAPSFOR EUROPE

**60+**   **members** from the whole of geographical Europe

## EUROGEOGRAPHICS ACTIVITIES

Well-established network for sharing knowledge, expertise and access to data



Sharing experiences and best practice



Representing our members' interests



Fostering use and re-use of public sector geo-information

## MAPS, CADASTRE, AND MORE

Our members provide data to help protect people, the planet and so much more



Environmental monitoring & management



Real-time data for pandemic response



Smarter, sustainable agriculture



Cleaner, safer, intelligent transport



Emergency responses



Aerial survey

## TRUST & RELIABILITY

Our members empower society with trusted geospatial services



Trusted daily everywhere for secure ownership transactions, diligent policy elaboration and monitoring



Relied on by European institutions and UN, governments, businesses and citizens



Registered on the EU Transparency Register and bound by its code of conduct



Enabling access  
to members' data  
and expertise



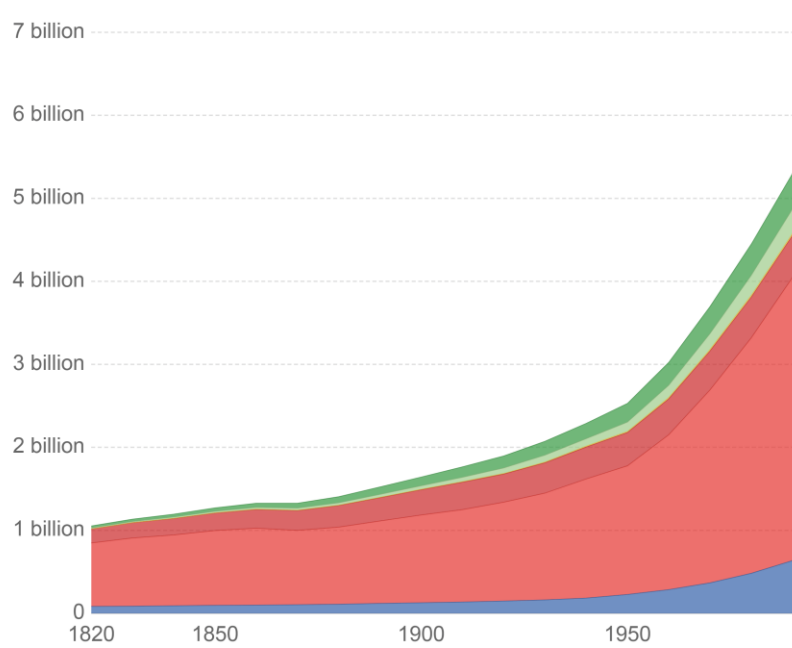
Representing  
members'  
interests



Providing opportunities  
for knowledge  
exchange

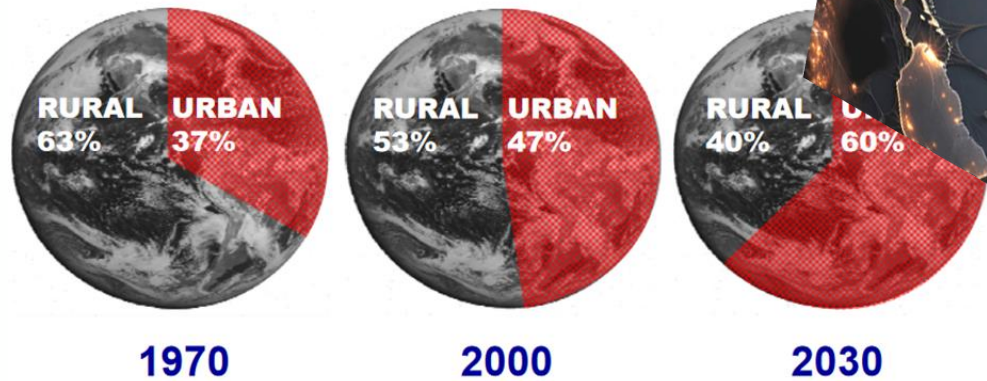
# Challenges

World population by world regions



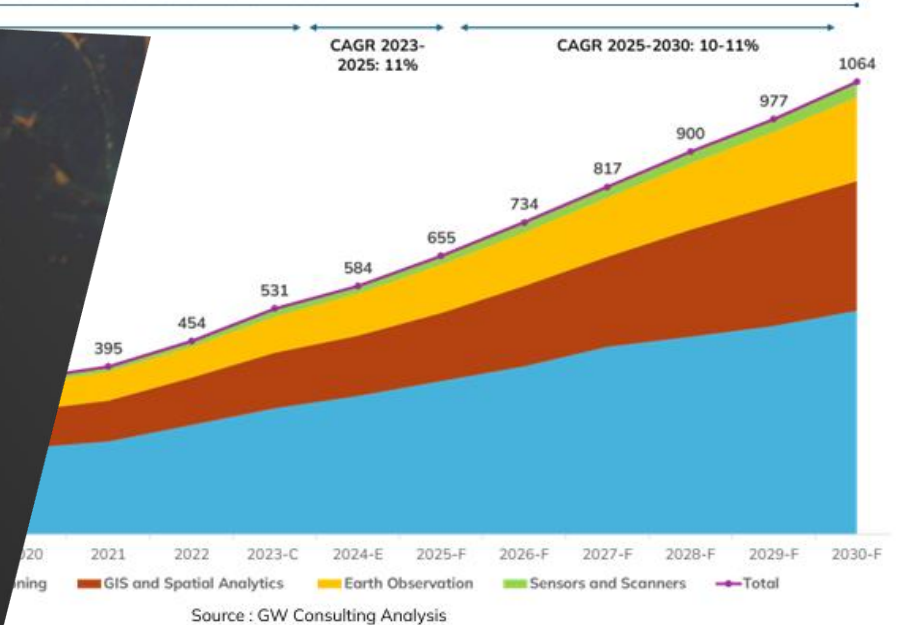
Source: Global Population by Region - HYDE (2016)

OurWorldInData.org/

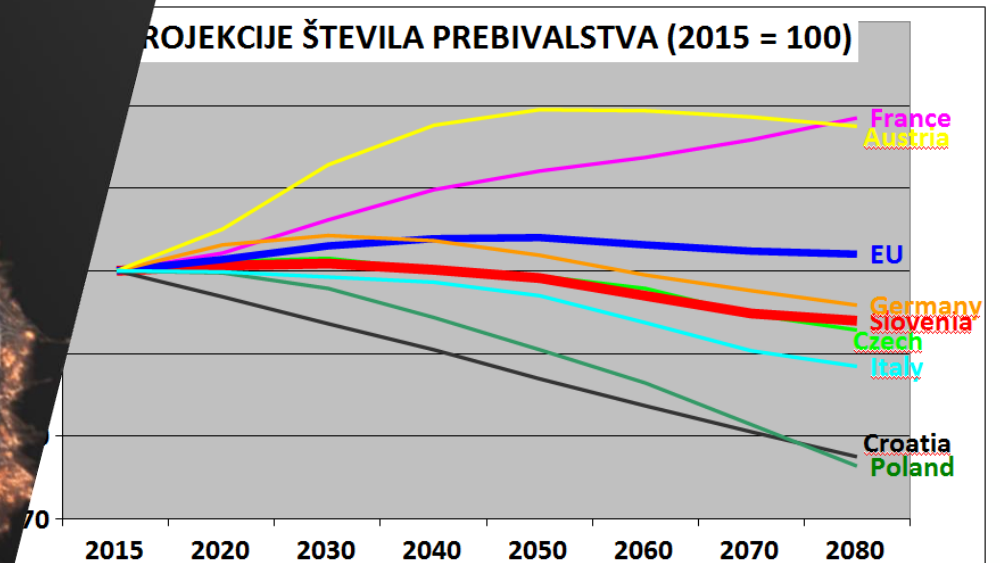


**Evolving Role of National Mapping Agencies**  
 Transitioning to Geospatial Knowledge Infrastructure  
 Produced By **GEOSPATIAL WORLD**

Global Geospatial Market Size and Forecast: 2018-2030 F

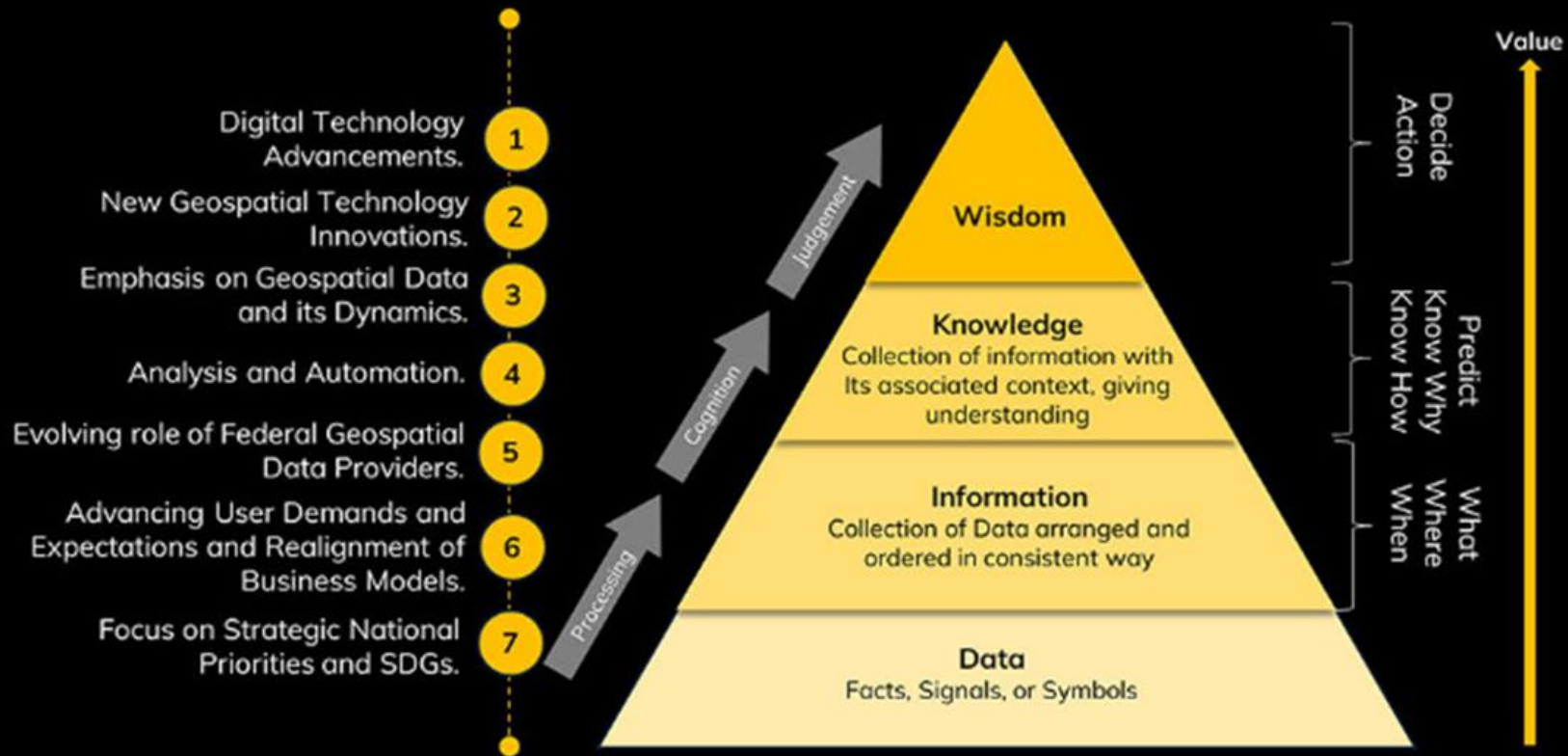


PROJEKCIJE ŠTEVILA PREBIVALSTVA (2015 = 100)

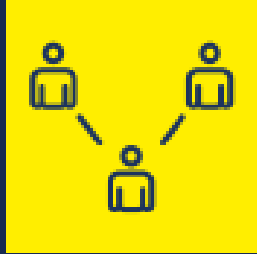


# REPORT HIGHLIGHTS

## GKI: The Blueprint for the Future Geospatial Ecosystem



# Knowledge Exchange



Maintaining an  
extensive knowledge  
exchange network



Delivering webinars  
that enable maximum  
participation by  
members



Organising a  
comprehensive  
calendar of events,  
including with partners

# Knowledge Exchange



Maintaining an extensive knowledge exchange network



CLRKEN  
Cadastre and Land Registry

The purpose of this KEN is to help meet user needs for cadastral information at both national and European level.



INSPIRE KEN

This KEN enables members to discuss and share their experiences of implementing the INSPIRE Directive.



PolKEN  
Policy

This KEN tracks, evaluates and constructively participates in the development of relevant European initiatives, programmes and policies.



QKEN  
Quality

This group focuses on data quality and quality management issues, produces benchmarking reports and tracks international standards.



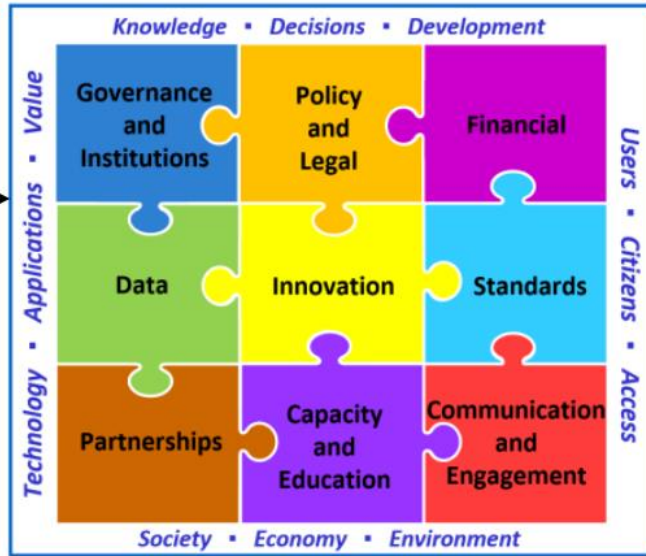
TDKEN

The Positioning Forum (previously POS KEN) provides a forum for discussion between organisations which each represent a different GNSS market segment.

# Evolving Geospatial Ecosystem

## Spatial Data Infrastructure (SDI)

- Data Centric
- Centralized System
- Desktop/Web portal
- 2D representation
- Supply-centric
- Limited Data Range
- Professional users only
- Linear Search
- No analysis/No modelling
- Government
- Web 1.0 – Static Web



IGIF - Enabler of Future Geospatial Ecosystem

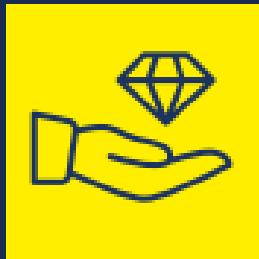
## Geospatial Knowledge Infrastructure

- Knowledge-centric (applied intelligence)
- Distributed System
- Distributed Cloud-based Spatial Computing
- 4D/5D Representation
- Demand Centric (Value Impact)
- Dynamic data with wide range of data (crowdsourced, mobile, IoT)
- Includes Machines
- Intelligent Search
- Advanced Augmented Analytics / Prescriptive Analytics
- Broader Stakeholder Group (including users, economics and statistics, etc.)
- Web 3.0 Semantic Web
- Network of Integrated Ecosystems of Ecosystems



### Moving up the Value Chain

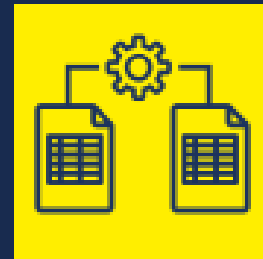
# Representation



Demonstrating value  
of trusted geospatial  
services from official  
national sources



Establishing  
partnerships to support  
the public good



Promoting integration  
of authoritative data  
within the European and  
International systems

# European Representation



# Global Representation





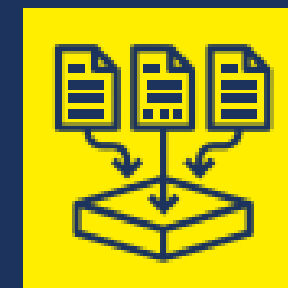
# Data



Connecting users  
to official national  
geospatial information



Facilitating access to  
high-value geospatial  
datasets



Providing  
expertise in data  
production

# Enhancement of the interface

eurogeographics

## Open Maps for Europe

Providing easy access to pan-European open data created using official map, geospatial and land information.

[Access Data](#) [Explore Map](#)

### Datasets

**EuroGlobalMap**  
EuroGlobalMap provides multi-themed topographic open data at 1:1 million scale

[More Info](#) [View on Map](#)

**EuroRegionalMap**  
EuroRegionalMap provides multi-themed topographic open data at 1:250 000 scale

[More Info](#) [View on Map](#)

**EuroDEM**  
EuroDEM is a 1:100 000 scale digital open data elevation model providing height data

[More Info](#) [View on Map](#)

**Open Cadastral**  
A single place to find Euro map data

[More Info](#)

## Access Data

Please select the datasets you want, and then review and accept the [licence terms](#) and enter your e-mail address. We will send you a download link and/or instructions for connecting to the service. If you have any queries, please go to our [FAQ's](#)

**EuroGlobalMap**  
GeoPackage - 237.Mb zip  
Shapefile - 205.7Mb zip  
WFS, WMS, WMTS  
Last Update: 10/2020

Download  Web Service

**EuroRegionalMap**  
GeoPackage - 2.9Gb zip  
File GDB - 1.2Gb zip  
Shapefile - 2.6Gb zip  
WFS, WMS, WMTS  
Last Update: 04/2021

Download  Web Service

**EuroDEM**  
Tiff - 2.5Gb zip  
WMS, WMTS  
Last Update: 04/2008

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**Pan-European Imagery**  
WMS  
Last Update: 2018

Web Service

**Open Gazetteer**  
GeoPackage - 114.9Mb zip  
WFS  
Last Update: 04/2021

Download  Web Service

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**Contact**  
[contact@eurogeographics.org](mailto:contact@eurogeographics.org)



<https://www.mapsforeurope.org/>



# Communications

Connecting you to  
maps, geospatial and land information  
for Europe



VISIT OUR WEBSITE  
<https://eurogeographics.org>

eurogeographics

Members'  
Newsletter



eurogeographics

Messenger

Annual Review  
2023



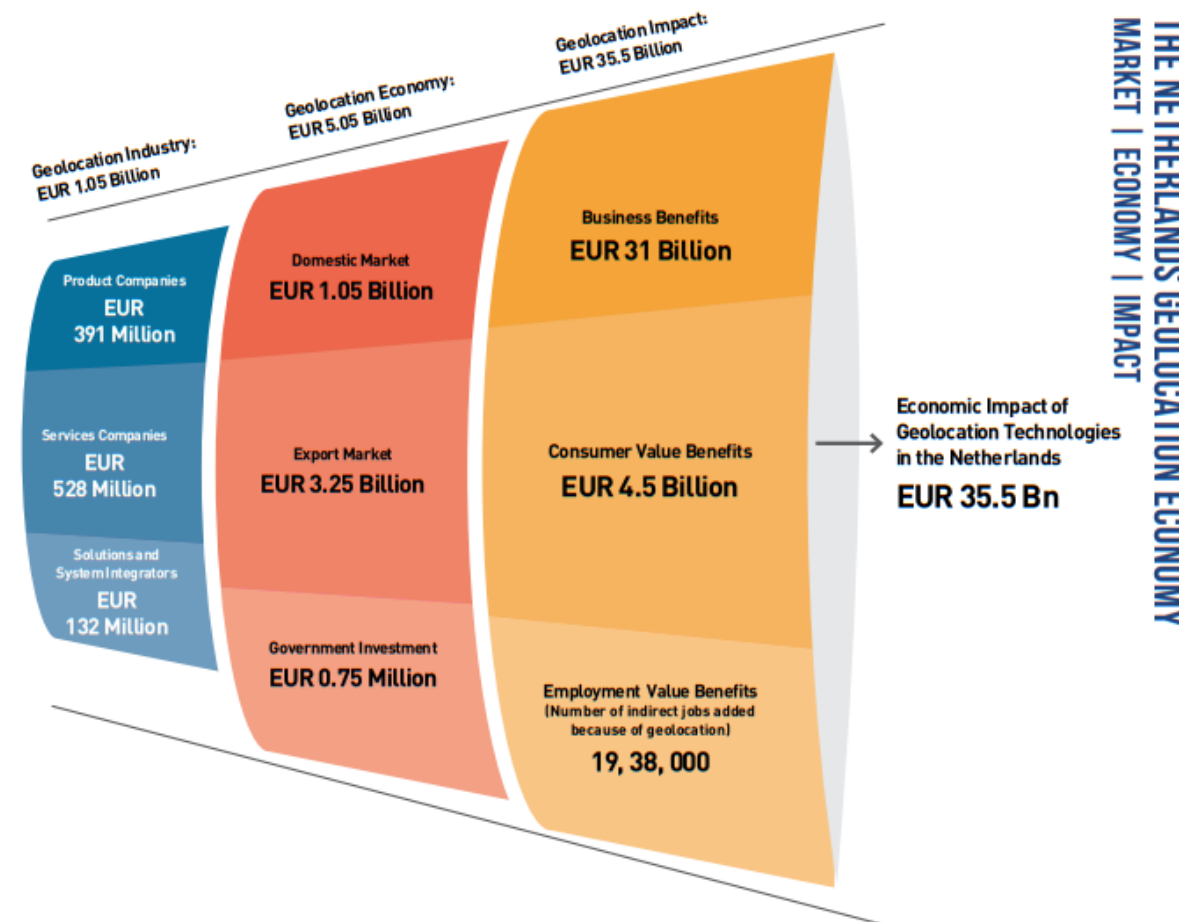
EuroGeographics showcases  
value of official national  
geospatial data in Copernicus  
Services

# New skills

Fastest-growing vs fastest-declining jobs between 2023 and 2027



Source: WORLD ECONOMIC FORUM



Source: Netherlands Geolocation Economy Report, Geonovum, 2019

# Thank you very much for your attention!

