

An aerial photograph of a multi-lane highway bridge spanning a valley. The bridge has several lanes in each direction, with cars and a truck visible. A white wireframe grid is overlaid on the right side of the bridge and the surrounding landscape, which includes green fields and a river. The foreground shows autumn-colored trees in shades of yellow and orange.

Authoritative Data

Sallie Payne Snell
Secretary General & Executive Director

UN-GGIM 14 August 5th 2024

CONNECTING YOU TO MAPS, GEOSPATIAL AND LAND INFORMATION FOR EUROPE



#MAPSFOREUROPE

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





European Strategy for Data



A governance framework for data
including a legislative framework for the governance of European data spaces and other cross-sectoral measures for data access and use



Enablers
Total investments of € 4-6 billion in a High Impact Project on European data spaces and federated cloud infrastructures



Competences
Empowering individuals, investing in digital skills & data literacy and in dedicated capacity building for SMEs.



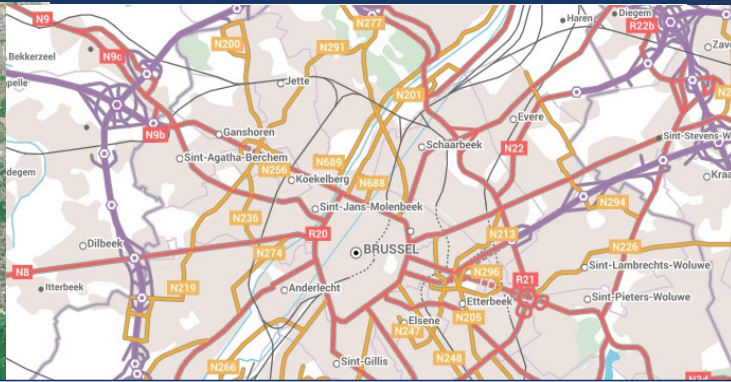
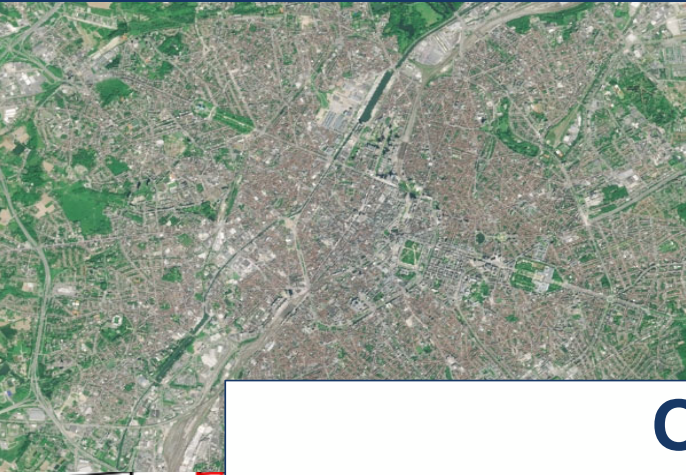
Rollout of common European data spaces
in crucial economic sectors and domains of public interest, looking at data governance and practical arrangements.



High-value data in six thematic areas (EU-directive 2019/1024)

Geospatial	Environmental	Meteorological	Statistical	Commercial	Mobility

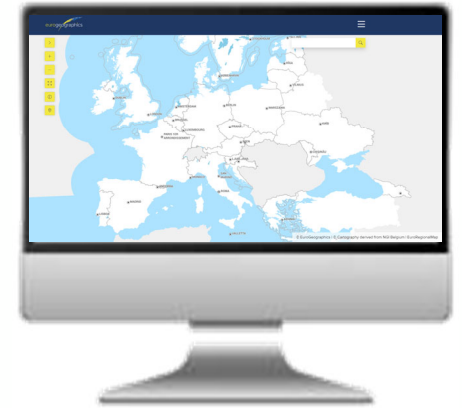




Open Maps for Europe Providing Easy Access to Open Data



High Vale Data Prototype



OME2 interface
www.mapsforeurope.org

Delivering data to promote peace, prosperity and security

"We need a coherent database, and we need data that we can trust and rely on. We need authoritative geospatial information, quality controlled, preferably from governmental sources with borders and boundaries that should reflect the EU view. We also need a common place where we can do planning. So, the 1:250 000 scale seamless open data is crucial for us in determining, for example, where we reinforce our bridges so that heavy trucks can cross them without breaking or planning our routing systems."

Lieutenant-Colonel Soenke Fischhofer Senior Geospatial Officer EUMS, EU External Action Service

The European External Action Service (EEAS) is the European Union's (EU) diplomatic service, and since 2011 has carried out the EU's Common Foreign and Security Policy to promote peace, prosperity, security, and the interests of Europeans across the globe. It uses EuroRegionalMap, a pan-European dataset available through the Open Maps For Europe project, for planning military mobility and investment programmes.



Challenge

Security is a priority in the EU's Global Strategy. In a rapidly changing world however, security challenges have become more complex requiring Member States to collaborate more closely, particularly in delivering trusted and reliable information for planning and field operations.

Benefits

- Provides access to a coherent database of trusted, quality controlled, reliable geospatial information for defence planning and situational awareness that can be used to be designated for legally binding use of geospatial



Providing common and consistent geographies to support the United Nations System

"Open data created using official information from Europe's National Mapping, Cadastral and Land Registration Authorities provides common and consistent geographies to support the United Nations System. We know that we can rely on these Open Maps For Europe and, that in turn, our colleagues can trust the information we provide to them to support decision-making and data action."

Kyoung-Soo Eom Chief, UN Geospatial Information Section

The Geospatial Information Section of the United Nations, also Co-Secretariat of the Committee of Experts on Global Geospatial Information Management (UN-GGIM) provides data, analysis and visualisation for decision-making and data action. Its vision is the universal use of geospatial information to underpin and support all roles, mandates and operations of the United Nations for a better world.

Challenge

With the Security Council, the office of the Secretary-General and the wider UN system among the users relying on its services, the Geospatial Information Section must be confident that it provides a consistent representation of the world based on common geographies. This is crucial in the context of international crises and monitoring the Sustainable Development Goals. To do this, it needs access to official data from the national authorities responsible for geospatial, cadastral and land registration information and standardised them against a global method and model.



Benefits

- Provides a consistent representation of the world based on common geographies.
- Promotes confidence in the data provided by the UN Geospatial Information Section to colleagues within the UN System and enables it to be easily compared and shared.
- Provides a common operational picture for users across the UN System.
- Delivers official data for analysis and visualisation to support decision making and planning.
- Supports political and peace building affairs, and provides geospatial guidance which includes provision of names, terms of use and disclaimers.
- Provides a geographic base for monitoring and measuring progress towards the UN Sustainable Development Goals.

Providing a web map service for investigating European Ground Motion

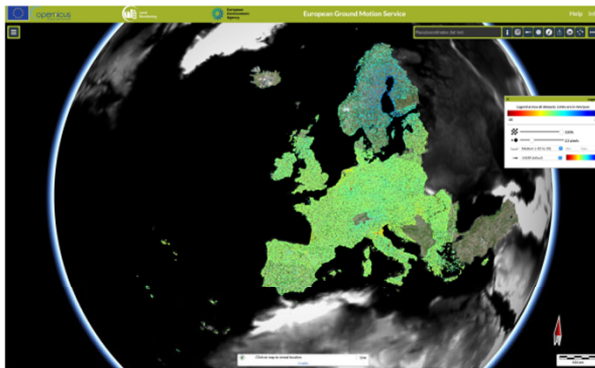
"The use of EuroRegionalMap open data in the European Ground Motion Service data viewer not only demonstrates the value of information available from National Mapping, Cadastral and Land Registration Authorities, but also highlights the benefits of our cooperation. We fully support the ambition to include map data from all Copernicus Participating States in future releases of Open Maps For Europe."

Henrik Steen Andersen
Contract Manager,
Copernicus In Situ Data

The European Environment Agency (EEA) is using multi-themed topographic open data from official sources as a selectable background map in its European Ground Motion Service (EGMS). Provided through the Open Maps For Europe interface, EuroRegionalMap provides an option for users of the EGMS data viewer who prefer to use maps rather than satellite images.

Challenge

Measurement points provided by the EGMS usually coincide with buildings, artificial structures, and non-vegetated areas, such as cities, roads, or bridges. As users can often more easily identify these features on a map rather than a satellite image, the data viewer needed a background option based on a trusted topographic dataset. With no web map service available, the EGMS needed to find an existing open data solution which also ensured content and quality.



Source: Copernicus Land Monitoring Service. Produced with funding by the European Union.

Benefits of using Open Maps For Europe

- Allows the EGMS to easily provide a web map service created using authoritative data available from National Mapping, Cadastral and Land Registration Authorities.
- Enables users to select the most relevant background layer for their needs in the EGMS.
- Demonstrates value of cooperation between EEA and European National Mapping, Cadastral and Land Registration Authorities.



