



THE COUNCIL OF EUROPEAN GEODETIC SURVEYORS
INTEREST GROUP OF PUBLICLY APPOINTED AND REGULATED LIBERAL SURVEYORS

IG-PARLS



UTILITY CADASTRE SYSTEMS

Paving the way to Smart Society

EUROPEAN DAYS
OF GEOMATICS



THE COUNCIL OF EUROPEAN GEODETIC SURVEYORS
COMITÉ DE LIAISON DES GÉOMÈTRES EUROPÉENS

Introduction

CLGE & IGPARLS



CLGE

CLGE represents and promotes the interests of the geodetic surveying profession in the private and public sector in Europe

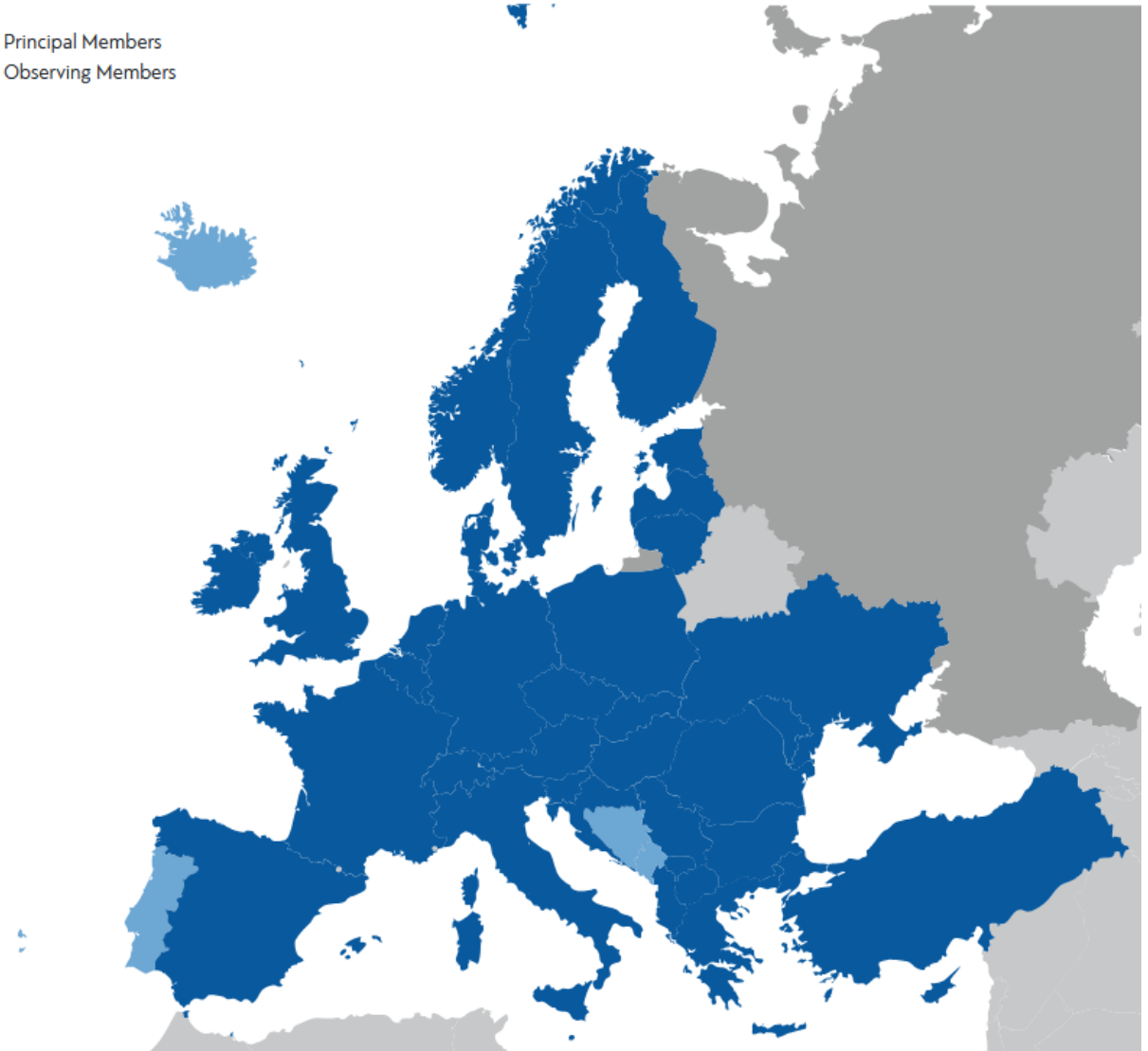
Thomas Jacubeit, Chair IG-PARLS

CLGE-Members

- 36 Principal Members
 - 4 Observing Members
 - Institutional and Corporate Members
 - >> 100.000 geodesists
-
- Cooperation with FIG, PCC, Eurogeographics, European Institutions and more national associations

Members Map

- Principal Members
- Observing Members





IG PARLS (Interest Group of Publicly Appointed and Regulated Liberal Surveyors)

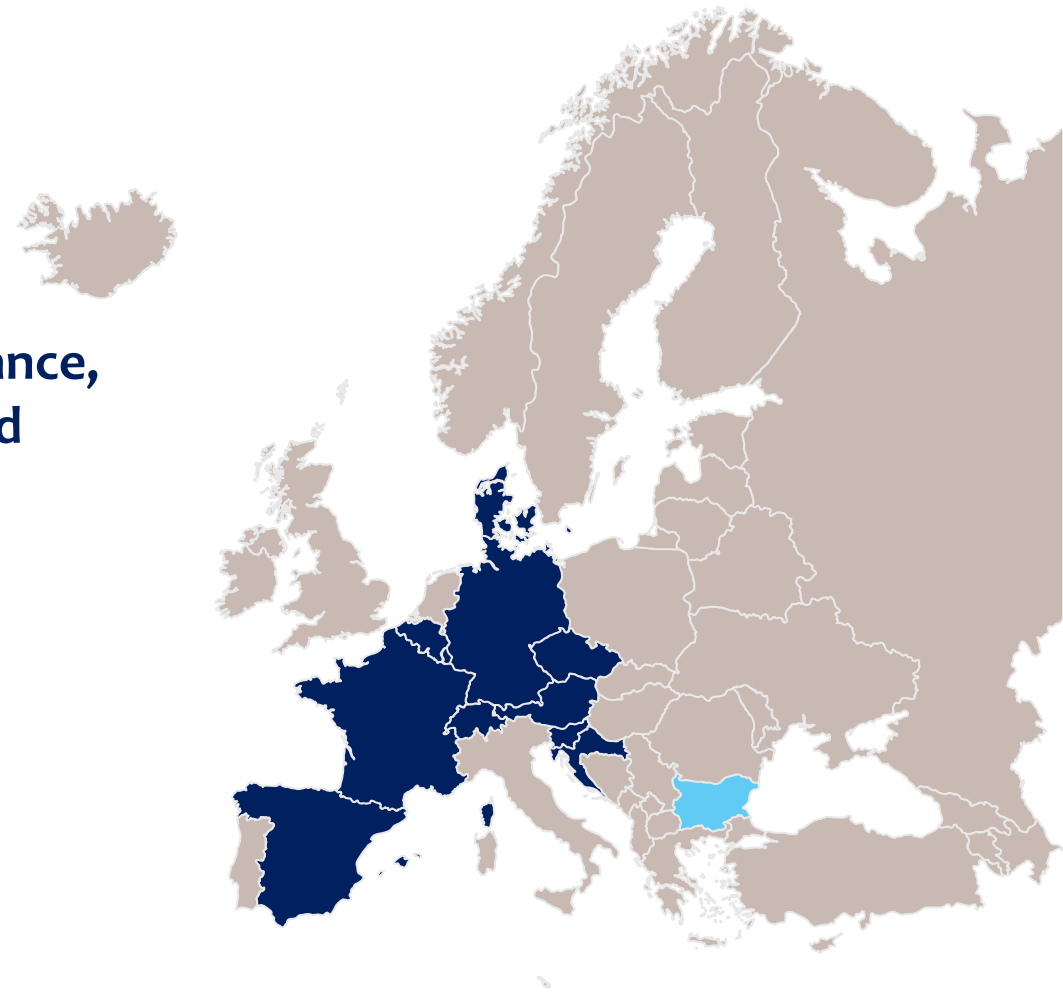
IG-PARLS particularly represents the interests of liberal surveyors within CLGE. Liberal surveyors assume personal responsibility and liability and economic independence. Our goals are to promote the system of the independent surveyor working as a public officer or appointed by the public authority in the field of property.

IG-PARLS MEMBERS (12)

- Austria, Belgium, Croatia, Czech Republic, Denmark, France, Germany, Luxembourg, Slovenia, Spain, Switzerland and Bulgaria (as observing member)

IG-PARLS LEADERSHIP

- Thomas JACUBEIT (Germany) – Chair IG-PARLS
- Nele VANHOUTTE (Belgium)– Vice Chair





Projects IG-PARLS

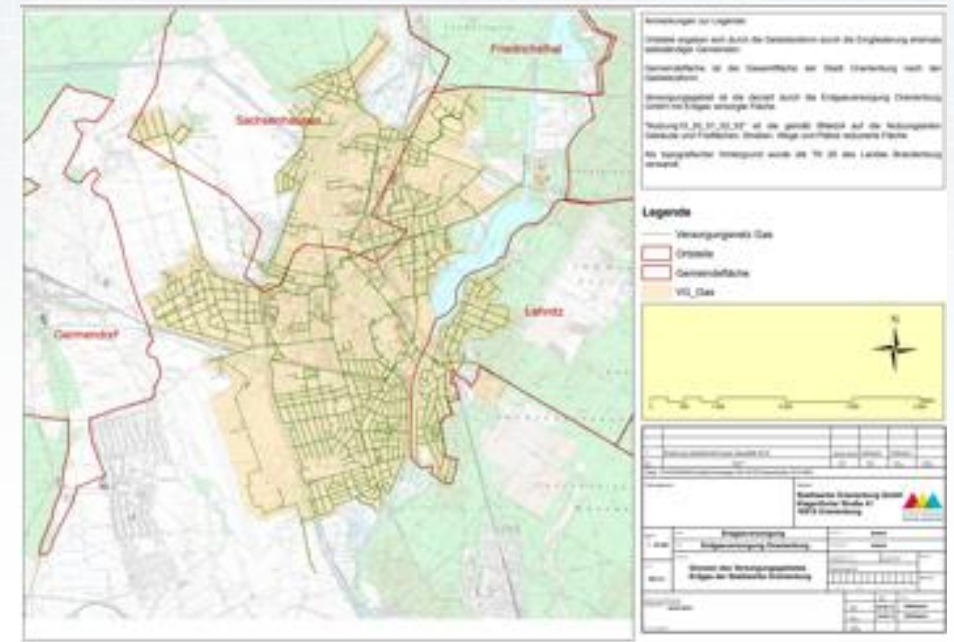
- Condominiums
- Utility Cadastre
- Professional Governance
- Boundaries



Utility Cadastre

Utility Infrastructure provides essential services like:

- Electricity
- Drinking water
- Sewage
- Telecommunication
- Gas



Goals of Utility cadastre

- Systems aim to receive digital records of utility assets and networks
- Gain greater control over management of critical infrastructure networks
- Reach greater transparency, accountability and reliability of the services
- Support of emergency response by providing critical information in crisis situations

Creation of a Utility Cadastre

- Collecting and integrating data from various sources
- Keeping information up to date as infrastructure changes
- Coordinating between different utility providers and government agencies
- Creation of advanced digital maps and 3D models

Key Components

- Accurate and up-to-date data
- Integration of data
- Digital and scalable format
- Access control and security
- Long-term data preservation



Benefits

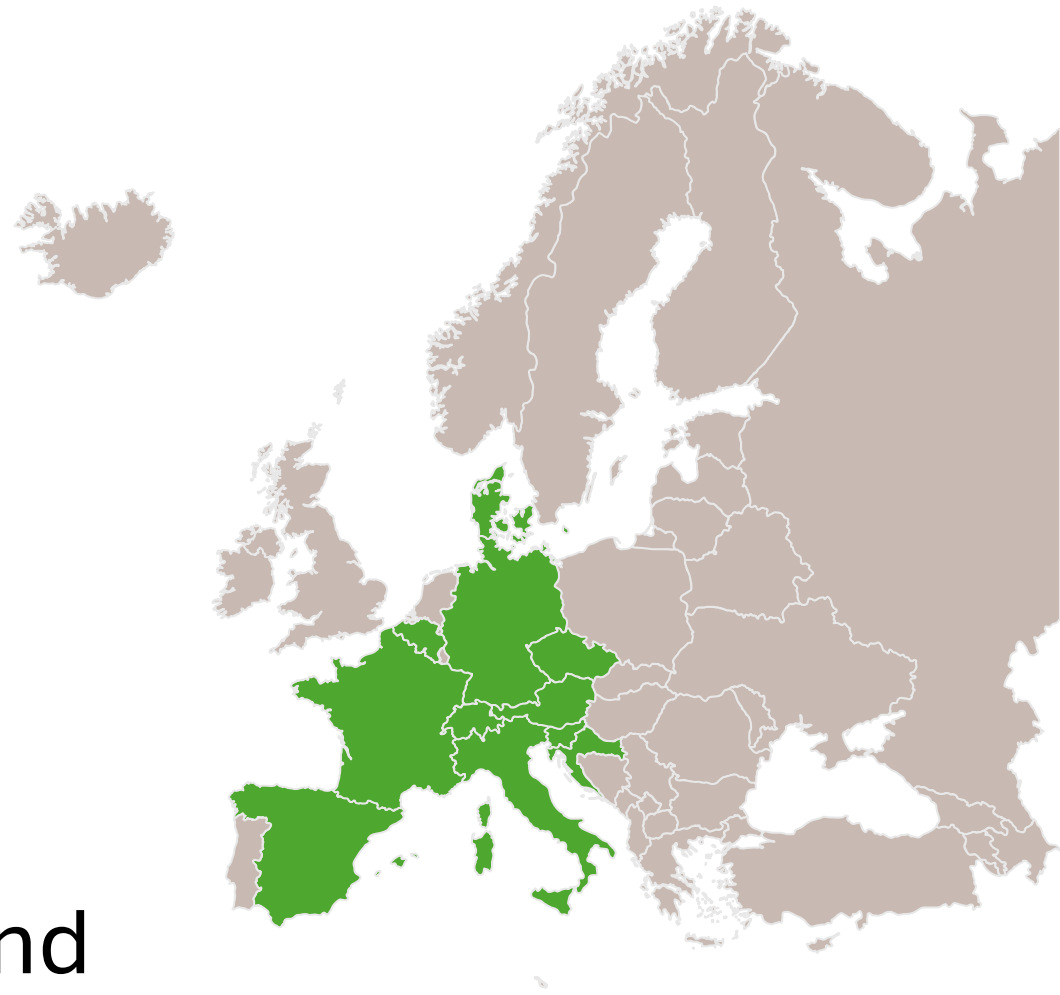
- Systems enable improved planning while avoiding damages or disruptions to existing utilities,
- Reduced costs
- Increased efficiency with predictable maintenance, plan upgrades
- Install new infrastructure with full knowledge of potential impacts
- Better risk management with increasing public safety

IG-PARLS work

- Survey and interviews with member countries
- 9 National presentations on meetings in 2022 and 2023
- Prepare Conclusions and Recommendations
- A first Compendium as a result, released in September 2024
- 2025 – 2026: Contributions of the Czech Republic and Italy
- A new Compendium is released in September 2026

Countries that made a
contribution to the utility-
cadastre:

Austria, Belgium, Croatia,
Czech Republic, Denmark,
France, Germany, Italy,
Slovenia, Spain and Switzerland



Future Developments

- Receive contributions from more European Countries to expand the compendium
- Development of a European Standard for digital presentation of utilities
- Steering the theme towards the EU

Should public access be restricted to increase public safety or should the access be or stay open?



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Utility Cadastre

<https://www.clge.eu/2026/ig-parls/clge-publishes-the-2026-edition-of-its-utility-cadastre-systems-compendium>





EGSAct - Towards the European Geodetic Surveyors Act

Respond to
our survey!

[https://uwe.eu.qualtrics.com/jfe/form/SV_3WW
SQYfYUVjecAu](https://uwe.eu.qualtrics.com/jfe/form/SV_3WW
SQYfYUVjecAu)





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Thank you for your attention!



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