









Joint PCC and EuroGeographics CLRKEN Conference and Plenary Meeting, Aalborg, Denmark

Open Maps for Europe 2





Purpose

Develop a platform for easy access to authoritative uniform, harmonized "open" High Value Daga (HVD) of European countries

Content:

- Topographic maps 1:1.000.000
- Topographic maps 1:250.000
- DEM 1:100.000
- Cadastral maps

Implementation period: 2023-2025







HELLENIC REPUBLIC

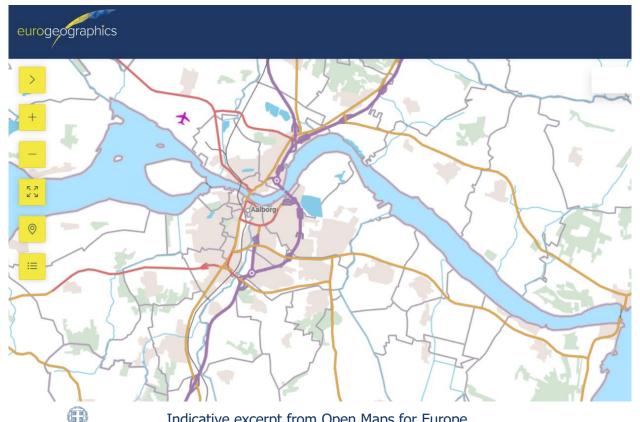
Ministry of Digital Governance

Home page of Open Maps for Europe

(Source: https://www.mapsforeurope.org/



Open Maps for Europe 2



Consortium

- EUROGEOGRAPHICS AISBL (BE)
- INSTITUT NATIONAL DE L'INFORMATION GEOGRAPHIQUE ET FORESTIERE (FR)
- DIENST VOOR HET KADASTER EN DE OPENBARE REGISTERS (NE)
- INSTITUT GEOGRAPHIQUE NATIONAL (BE)
- HELLENIC CADASTRE (GR)
- MINISTERIO DE HACIENDA Y FUNCION PUBLICA (ES)

Indicative excerpt from Open Maps for Europe (Source: https://www.mapsforeurope.org/explore-map/egm-erm-basemap)

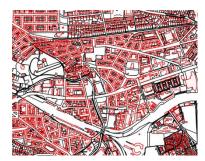




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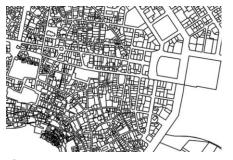
Open Cadastral Map (OCM)



Czech Republic



Denmark



Greece



Latvia



Luxemburg



Netherlands



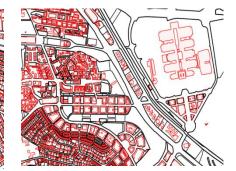
Poland



Slovakia



Slovenia



Spain











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Open Cadastral Map (OCM)



OCM status in 2025 (Current)

Link: https://www.mapsforeurope.org/datasets/cadastral-all



Status in 2025 (Fifteen countries)

Czech Republic Belgium Greece

Netherlands Croatia Latvia

Slovenia Luxemburg **Estonia**

Slovakia Ireland Spain

Poland Switzerland

Denmark





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Open Cadastral Map (OCM)



OCM Explore Map site: Status in 2025 (Current) Link: https://www.mapsforeurope.org/explore-map/cadastral-all

Actions undertaken within the Open Maps for Europe 2 (OME2)

- Sustain the new production
- Enhance production process (getfeature functionality, additional data)
- Increase coverage (9 more countries by 2025)
- Increase harmonization of accessing cadastral data (OCM):
 Documentation of OCM data, Metadata Quality Assurance
- Promote Open Cadastral Maps (OCM) to EuroGeographics members and external audiences and develop a long-term strategy for sustaining and developing OCM





Ministry of Digital Governance

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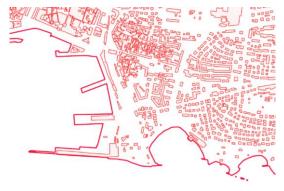


Pan-European Strategy

Main goals

- Sustain current operation of the Open Cadastral Maps (OCM)
- Increase geographical coverage
- Increase thematic coverage
- Improve homogeneity of the data
- Increase functionality of the Open Cadastral Map
- Optimize the OCM production process
- Maximize use of the data
- Support major initiatives at the national and transnational levels
- Achieve financial sustainability





Croatia





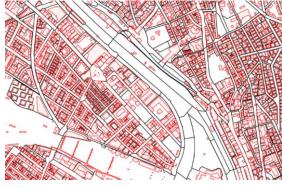




Action plan

Indicative actions

- Engage with countries already in the OCM to commit continuation
- Engage with countries that have readiness to be included
- Encourage NCMAs to provide additional layers of information
- Add new functions (searching, selections, retrievals, translation)
- Improve homogenization of data
- Expand the range of options for getting data (Atomfeeds, WFS,...)
- Provide support on the use of OCM data whenever requested



Switzerland



OME2







OME2 – WP6 Open Cadastral Map

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Denmark

Finland Greece

Hungary

Moldova Netherland

Portugal Slovenia

Spain

Sweden

Stakeholder Questionnaire



Countries which participated in the questionnaire

- Austria
- Belgium
- Bulgaria
- Cyprus
- Czeck Republic
- Denmark
- **Finland**
- Greece
- Hungary
- Moldova
- **Netherlands**
- Portugal
- Slovenia
- Spain
- Sweden

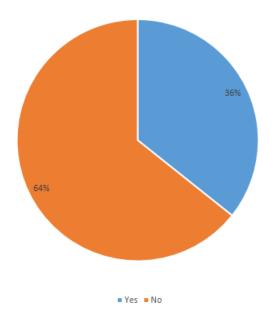




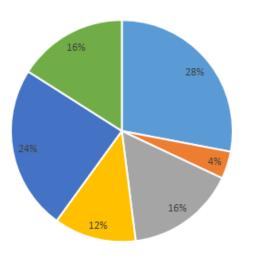
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2.1 Is your agency using European level cadastral data?



2.2 What kind of European cadastral data would be useful for your agency?



Real estate and valuation

- Urban planning / Smart Cities
- Emergency or disaster risk management
- Environmental monitoring / Climate action
- Taxation / Legal property framework





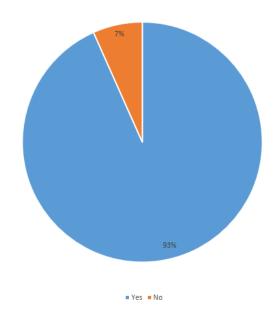




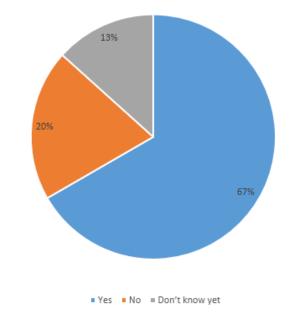
HELLENIC REPUBLIC



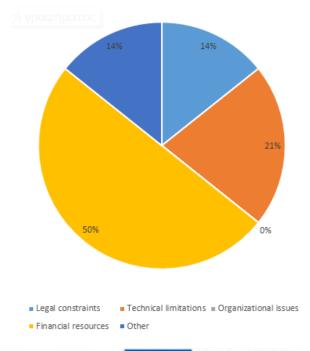
2.3 Are you familiar with the Open Cadastral Map (OCM) initiative?



2.4 Are you ready to provide data to the OCM?



2.5 What is the biggest barrier for you to provide data?

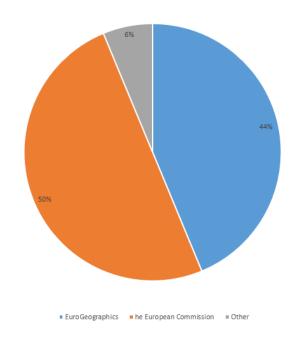




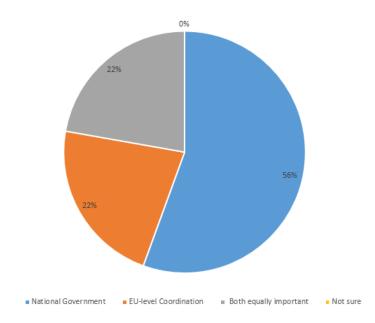




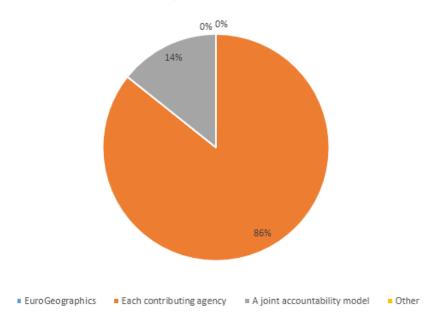
3.1 Who should lead the Pan-European Cadastral Data Strategy?



3.2 What level of government support is essential for implementation?



3.3 Who should be accountable for the accuracy and currency of the OCM data?



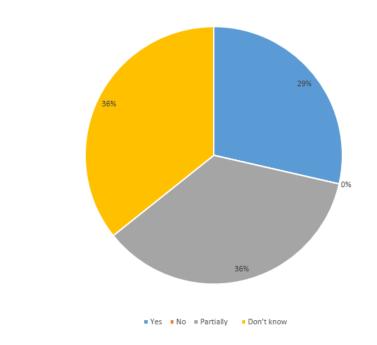




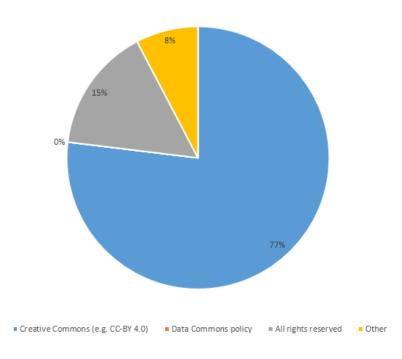




4.1 Do current EU/national policies enable OCM development?



4.2 What data licensing scheme should be used?



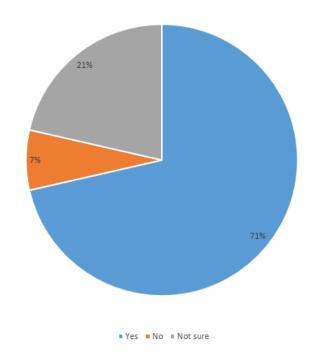




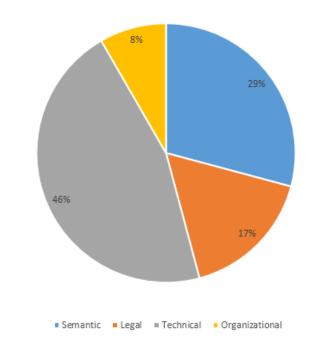




5.1 Would your agency benefit from Al-enhanced services (e.g., multilingual metadata, anomaly detection)?



5.2 Which types of interoperability are most important to you?

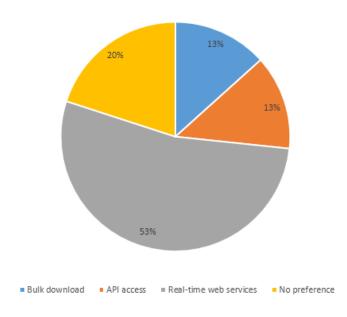




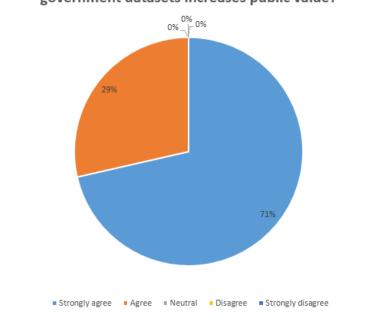




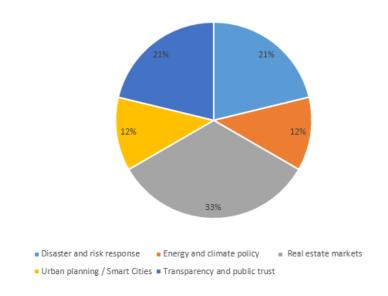
6.1 Which delivery mode do you prefer?



6.2 Do you agree that combining cadastral data with other government datasets increases public value?



6.3 In which application domain do you think that a pan-European cadastral system would have the maximum value for the society?

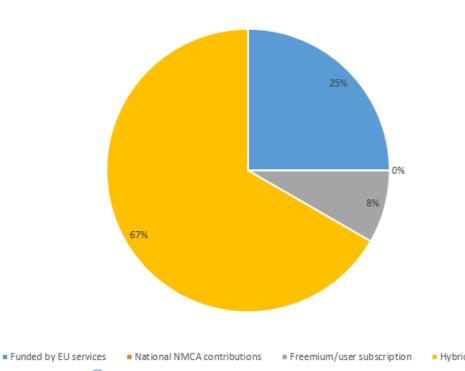




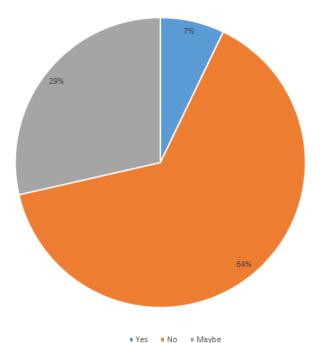




7.1 Which financing model would you support?



7.2 Would your agency be willing to allocate funds to support regular updates?

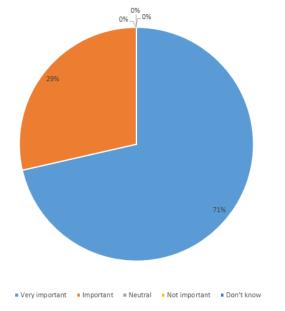




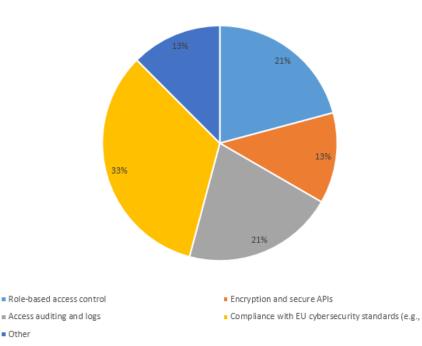
OME2 Co-funded by the European Union



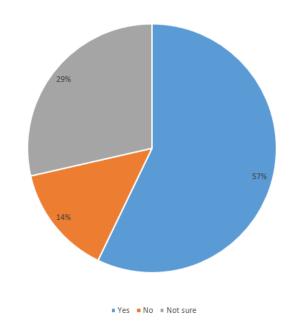
8.1 How important is it for the Pan-European Cadastral System to provide strong guarantees for data security and privacy?



8.2 What security features do you consider necessary for a Pan-European cadastral platform?



8.3 Do you have internal protocols or regulations that may restrict data sharing due to security concerns?





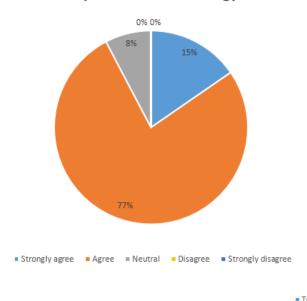




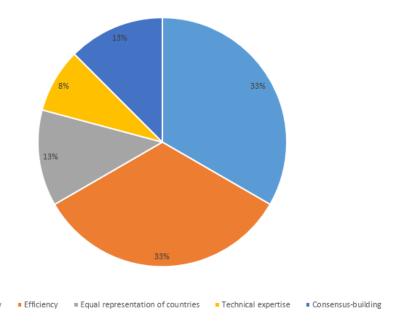
Other



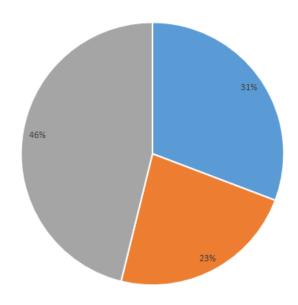
9.1 Do you believe a clear, inclusive governan model is necessary to ensure sustainability of a European cadastral strategy?



9.2 Which of the following elements are most important in decision-making processes?



9.3 Should leadership roles in the strategy (e.g. working groups, project coordination) rotate between countries?



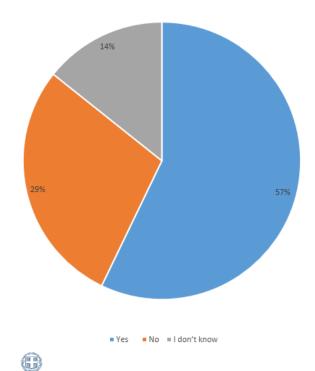


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10.1 Do you think establishing the OCM would elevate the role of cadastral agencies in public sector?



The cadastral domain is only part of the larger land registration domain. At the same time cadastral data are part of the HVD-suite of data

Dialogue with the EG members to establish common ground and agree on coordination of the projects.

Create a participants list, so members can contact each other and have an overview on other's responsibilities

Preparation of common technical specifications

Establishing a simpler INSPIRE data model for the respective OCM data







European stakeholders may identify or be asked for integrating cadastral data in their domains to improve their own value proposition. That would be a real gamechanger at the European level.

The value of integrating cadastral data in other domains is high. Maybe showcasing some of these examples might also help to have further discussions at the European level.

To persuade all 27 EU member states and Switzerland – namely their NMCA - to support project Open cadastral data

Finding a common understanding of benefits of OCM at European level.

Establish cooperation among national cadastral agencies

Adopt an organizational model and make resources available

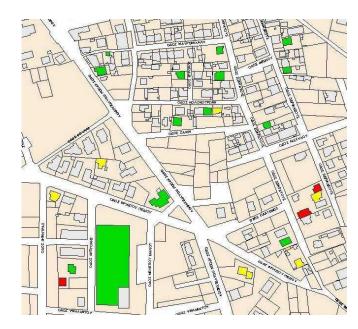
Start active work on this topic. Form working groups with specific tasks. Organize a coordinating-leadership body for implementation



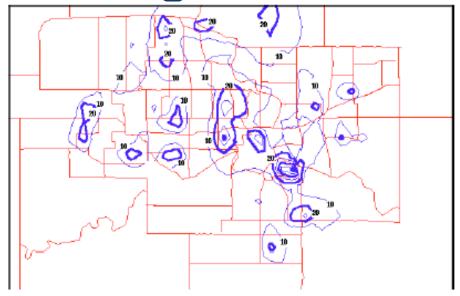




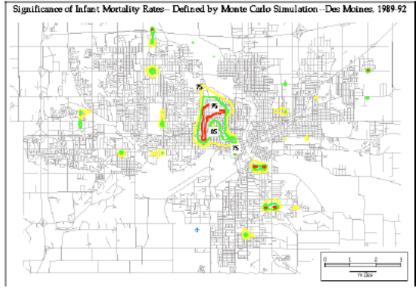
Envisaged outcomes



Use of cadastral maps to record earthquake affected buildings
Magoula, Attica, Greece, 1999



Birth defect clusters (Des Moines, IA, HIIA) Adopted from Rushton *et al.*, 1995 "A Geographic Information Analysis of Urban Infant Mortality Rates", Geo Info Systems



Statistical significance of birth defect clusters (Des Moines, IA, $H\Pi A$)

Adopted from Rushton *et al.*, 1995 "Spatial Analysis of Infant Mortality Rates in Des Moines, Iowa, 1989-1992", Public Health Records and Statistics and the National Committee on Vital and Health Statistics



