

“Role of National Mapping, Cadastre and Land Registry Authorities in Resilience and Recovery program “

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Results of the Questionnaire



REPUBLIC OF SLOVENIA
MINISTRY OF THE ENVIRONMENT
AND SPATIAL PLANNING
THE SURVEYING AND MAPPING AUTHORITY
OF THE REPUBLIC OF SLOVENIA



PCC
Permanent Committee
on Cadastre in the
European Union

EuroGeographics

Cadastre and Land Registry
Knowledge Exchange Network

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“Role of National Mapping, Cadastre and Land Registry Authorities in Resilience and Recovery program “

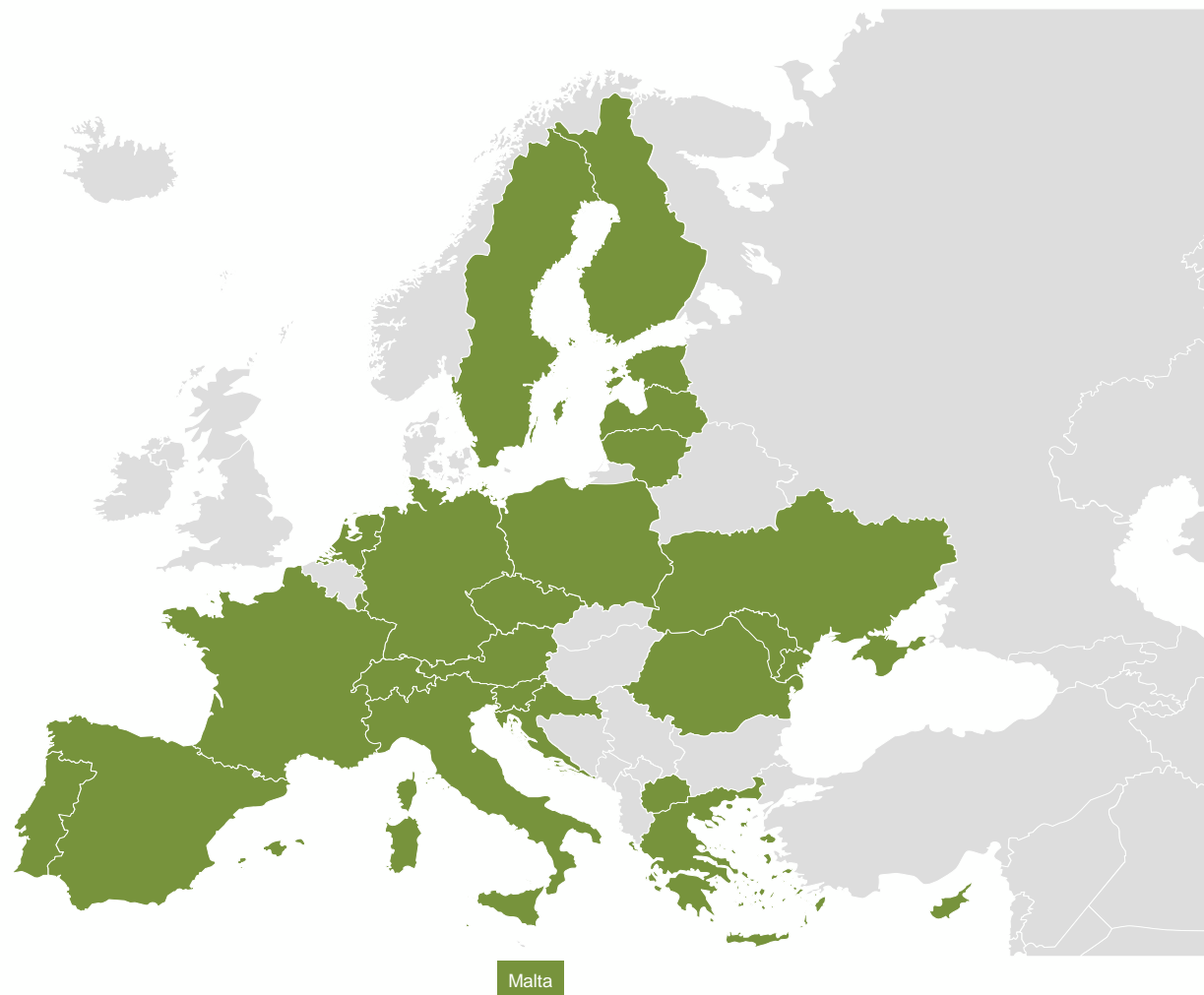
25 Countries



replied



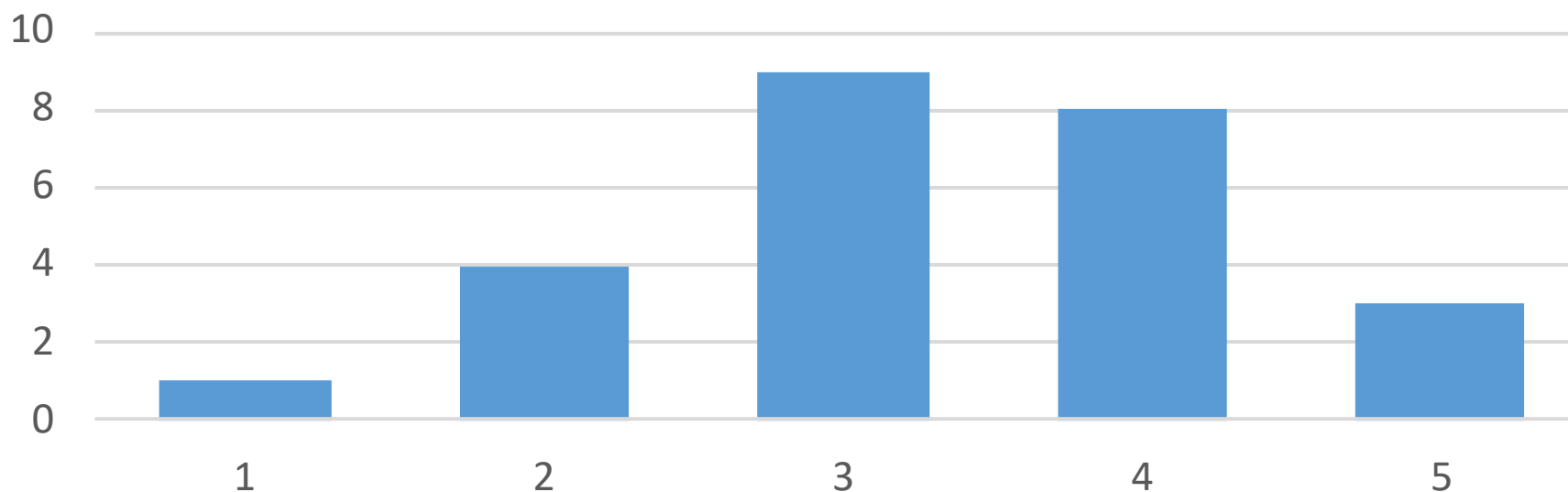
no feedback or out of scope



Relevance for European Green Deal

How do you consider the cadastral system as relevant to achieve results or contribute to the aims of the European Green Deal?

Please, rate the contribution on a scale from 1 (not relevant at all) to 5 (very relevant)



Strengths

In respect to contributing to the NextGenerationEU agreement, where do you see the strengths of your country's cadastral system?

- 11x digital data format, interoperable
- 9x public, transparent, complete, secure, reliable, legal basis
- 5x open, full, and easy access
- 3x fully digital procedures, electronic services
- 3x supporting economic activities, support for land management and policies, multi-purpose
- 2x permanently updated / fully operational
- 1x basis for land taxes / strong title system

Room for Improvement

Where do you see room for improvement for your national cadastral system to contribute to the digital transformation and to the EU's Recovery and Resilience Facility programme?

- 5x expand database in terms of user experience and flexibility
- 4x integration with SDI, creation of single platform
- 3x extension of data content, additional building database
- 2x improve quality of cadastral maps / improve digital services / integration and opening of data
- 1x broader data interface services (APIs) / coordinate with land registry / territorial coverage / parcellisation of public domain areas / cross-border cooperation and data exchange

Opportunities for Innovation

Can you assess the opportunities for cadastral data to be used by businesses and other organisations for delivering new and innovative applications, products, and services?

- 9x key for any other geospatial data and SDI, interoperable web service, basis for innovative products and services, also through APIs
- 5x open data
- 5x high potential, strategic asset, to stimulate economic growth
- 1x basis for public management / monitoring of territory / geostrategy, geomarketing and other uses related to location (addresses, statistics) / smart cities, smart territories / services to real estate market

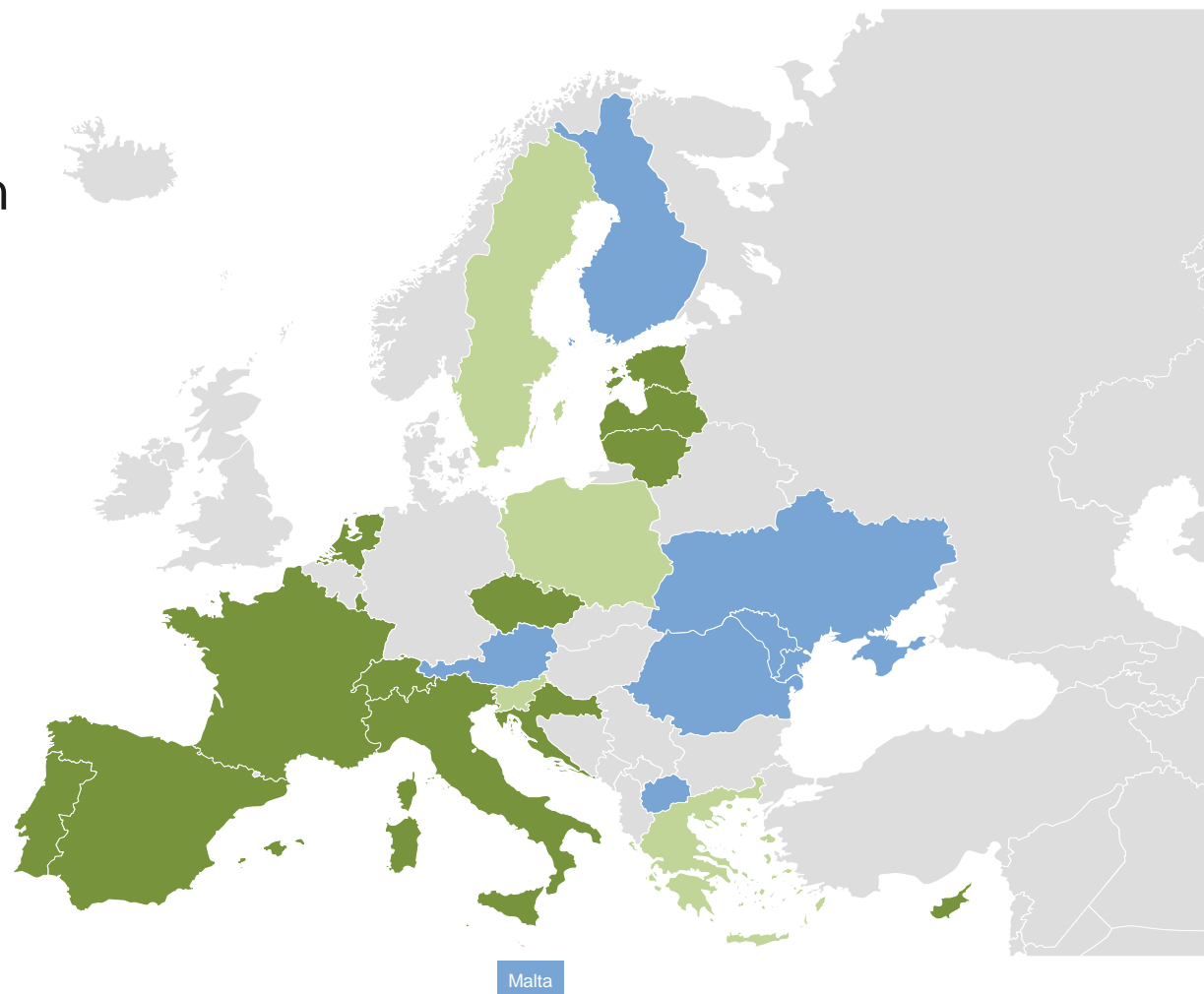
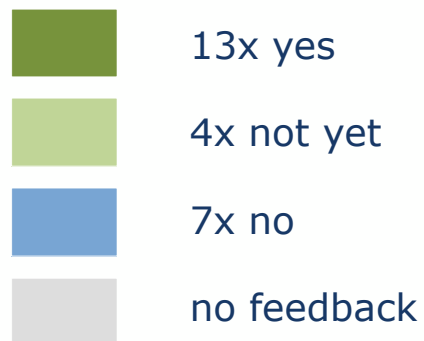
User Requirements

How does your organization capture, measure and fulfil user requirements in relation to the digital transformation?

- 4x continuous communication or workshops with partners and clients
- 3x think tanks, working groups, council
- 2x improve data quality, better services, useful tools
- 2x NSDI
- 2x regular customer satisfaction surveys
- 1x continuous discussion with stakeholders / close relation with stakeholders and customers

Included in HVDs

In your country, is cadastral data included in the list of HVD (High Value Datasets)?



Reflection in the Law

In your country, if cadastral data are included in the list of HVD (High Value Datasets), in what ways is the national law reflecting this?

- 5x law on open data / open data platform
- 3x national act / decree / standard / part of NSDI
- 3x law on use of public sector data / based on PSI
- 3x basic register / key register / critical dataset with highest security measures
- 2x in compliance with INSPIRE

New technologies

What new technologies (such as Artificial Intelligence, Blockchain technology, etc.) are in use or intended to be used in maintaining the national cadastral system?

In use

- 5x AI
- 4x Web portals, web services, APIs
- 3x crowd sourcing, automation of processes
- 2x Blockchain
- 1x Big Data / aggregation of data / chatbots / Machine Learning / robotization

Intended to be used

- 7x AI
- 4x Blockchain
- 2x 3D
- 1x BIM / to include underground facilities / geo-registers, key registers / concept of eco-systems / chatbots / automated processes / Linked Data / Machine Learning / to include restrictions / GIS based systems / crowd sourcing

New technologies – more details

- Artificial Intelligence
 - change detection
 - to identify new and redeveloped buildings from LiDAR and aerial imagery
 - to detect properties, which are not taxed
 - Neuronal Networks
 - for managing older documents and texts
- Web portals, web services, APIs
 - APIs for easier linking of data and providing services
- Crowd sourcing, Automation, Chatbots
 - crowd sourcing with mobile-friendly web applications to increase accuracy
 - gamification to raise interest
 - chatbots to answer questions from users