

The background of the slide is an aerial photograph of a city street, likely in Lisbon, Portugal, showing red-tiled roofs and narrow streets. A semi-transparent dark blue overlay covers the center of the image, where the text is placed. On the right side of the overlay, there is a white geometric pattern consisting of intersecting lines forming a series of triangles.

# Summary of Results of the Questionnaire in Preparation of PCC Conference

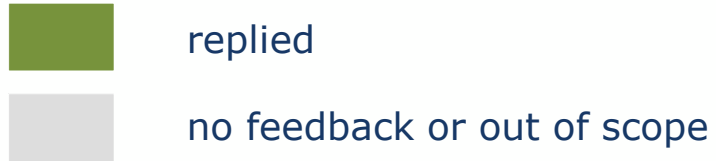
Joint PCC and EuroGeographics Conference  
Portugal, 26/27 May 2021

Daniel Steudler, Chair CLRKEN



# Participation

- 35 responses



# Table of Content

- Part I – Status of Land Administration Systems in Europe
- Part II – Innovations in Cadastre and Land Administration
- Part III – Roles of Public and Private Sectors
- Part IV – Relationship between Cadastre and Decarbonisation

## Preliminary Remarks

- Questionnaire carried out in March/April 2021 in preparation of Joint PCC/CLRKEN Conference 2021 hosted by Portugal
- it was not a scientific study, some questions were not clear enough
- answers are diverging a lot, but it still is possible to recognize some common trends and general tendencies
- it is difficult to draw clear cut conclusions
- BUT: it provides a good overview of where we are as a cadastral community!

# Table of Content

- **Part I** – **Status of Land Administration Systems in Europe**
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# 1.1 Institutions responsible for LAS

*Which institution is responsible for the LAS in your country on the national level?*

4	NMCA + LR	CZ Surveying, Mapping and Cadastre / FI National Land Survey / NL Cadastre, Land Registry and Mapping Agency / SE Lantmäteriet
10	NMCA	BK Geodesy, Cartography, and Cadastre / CH Federal Office of Topography swisstopo / DE Cadastral and Mapping Agencies / HR State Geodetic Administration / LU Administration du cadastre et de la topographie / NO Mapping Authority / RU State Service for Geodesy, Cartography and Cadastre / SI Surveying and Mapping Authority / SK Geodesy, Cartography and Cadastre Authority / UA State Service for Geodesy, Cartography and Cadastre
5	Cadastre	ES Directorate General for Cadastre / GR Hellenic Cadastre / ME Cadastre and State Property Administration / MK Agency for Real Estate Cadastre / PT Direção-Geral do Território
1	Cadastre & Register	RO Agency for Cadastre and Land Registration
5	Register	IS Register Iceland / LT State Enterprise Centre of Registers / PL Land and Buildings Register / EW HM Land Registry / SC Register of Scotland
2	Finance & Revenue	FR Directorate General of Public Finance / IT Revenue Agency
1	Geodata Focus	DK Geodata Agency
4	Other	AT Metrology and Surveying / BE Administration of Patrimonial Documentation / HU Ministry of Agriculture / IT Ministry for Ecological Transition

## 1.2 Responsibilities of those Institutions

*What are the responsibilities of this institution?*

cadastre  
 30

topographic mapping, cartography  
 19

geodesy, geodetic framework, gravimetry  
 18

National Spatial Data Infrastructure  
 14

land registration  
 17

land valuation, mass valuation, appraisal  
 11

land consolidation, land reform  
 5

administration of state land  
 4

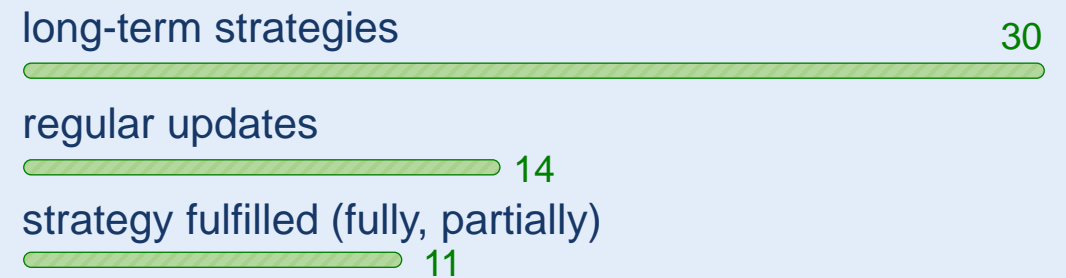
addresses, buildings, geographic names  
 7

Other mention:

utility cadastre, hydrography, professional regulations, geological mapping

## 1.3 Strategy of those Institutions

*What was the strategy and has it been fulfilled in recent years?*



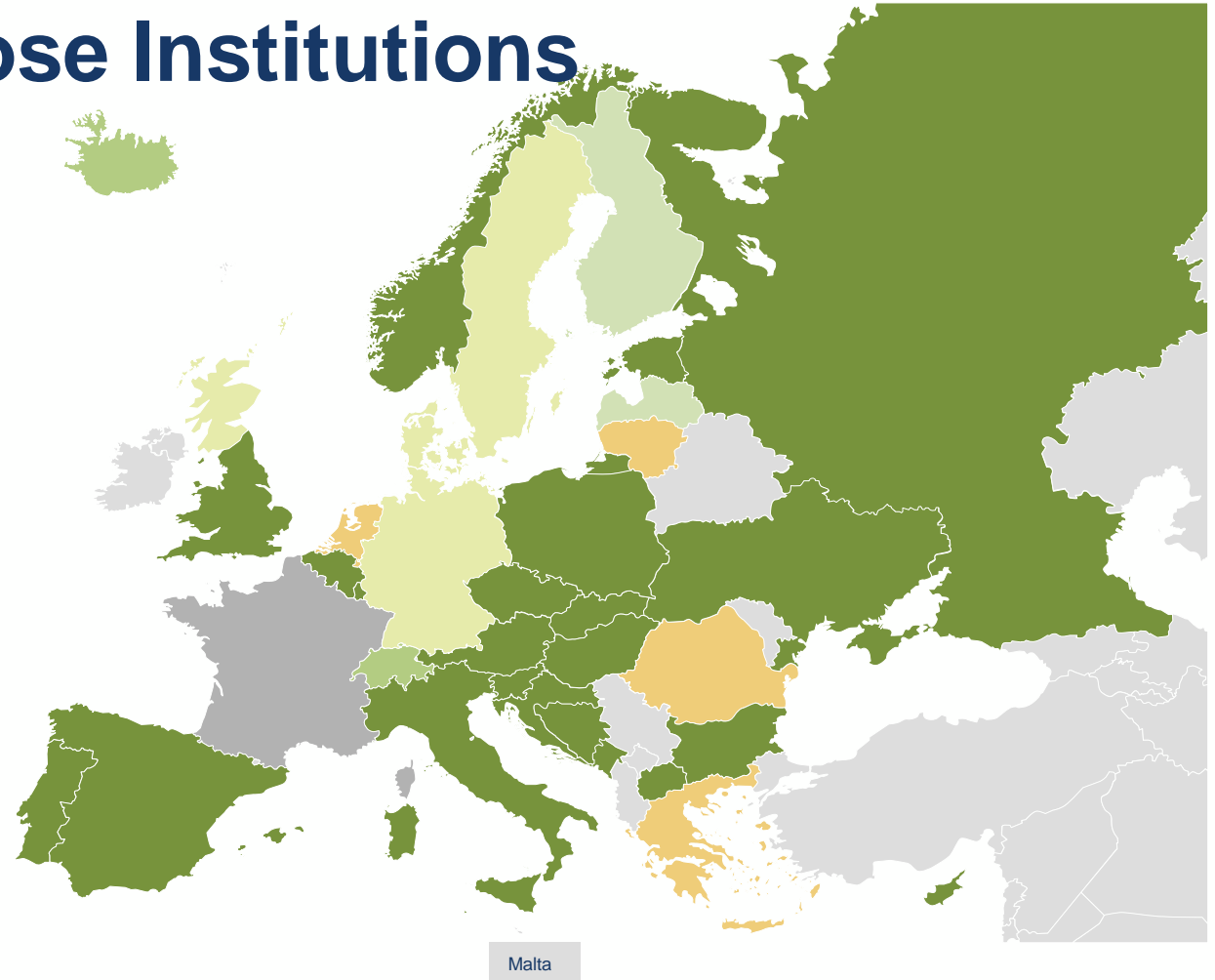
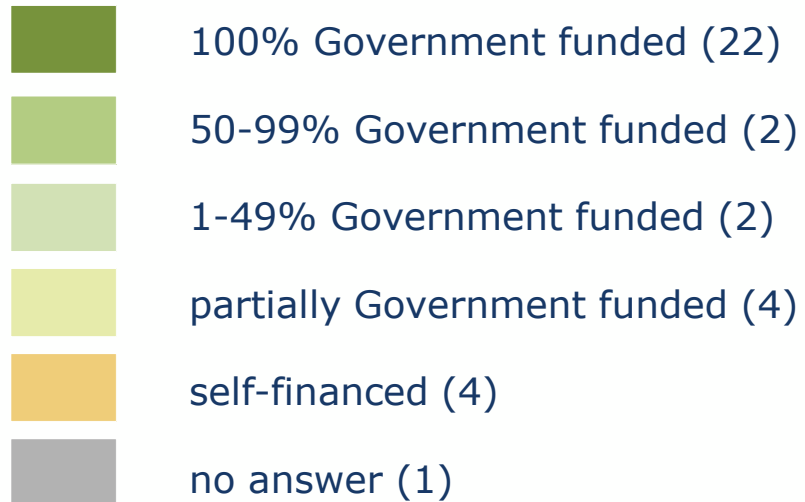
### Other mention:

added value to society, completing registration and documentation, 3D, BIM, fiscal and tax issues, archival issues, legislative modernization, digital transformation, land consolidation, increase use of geographic data in society



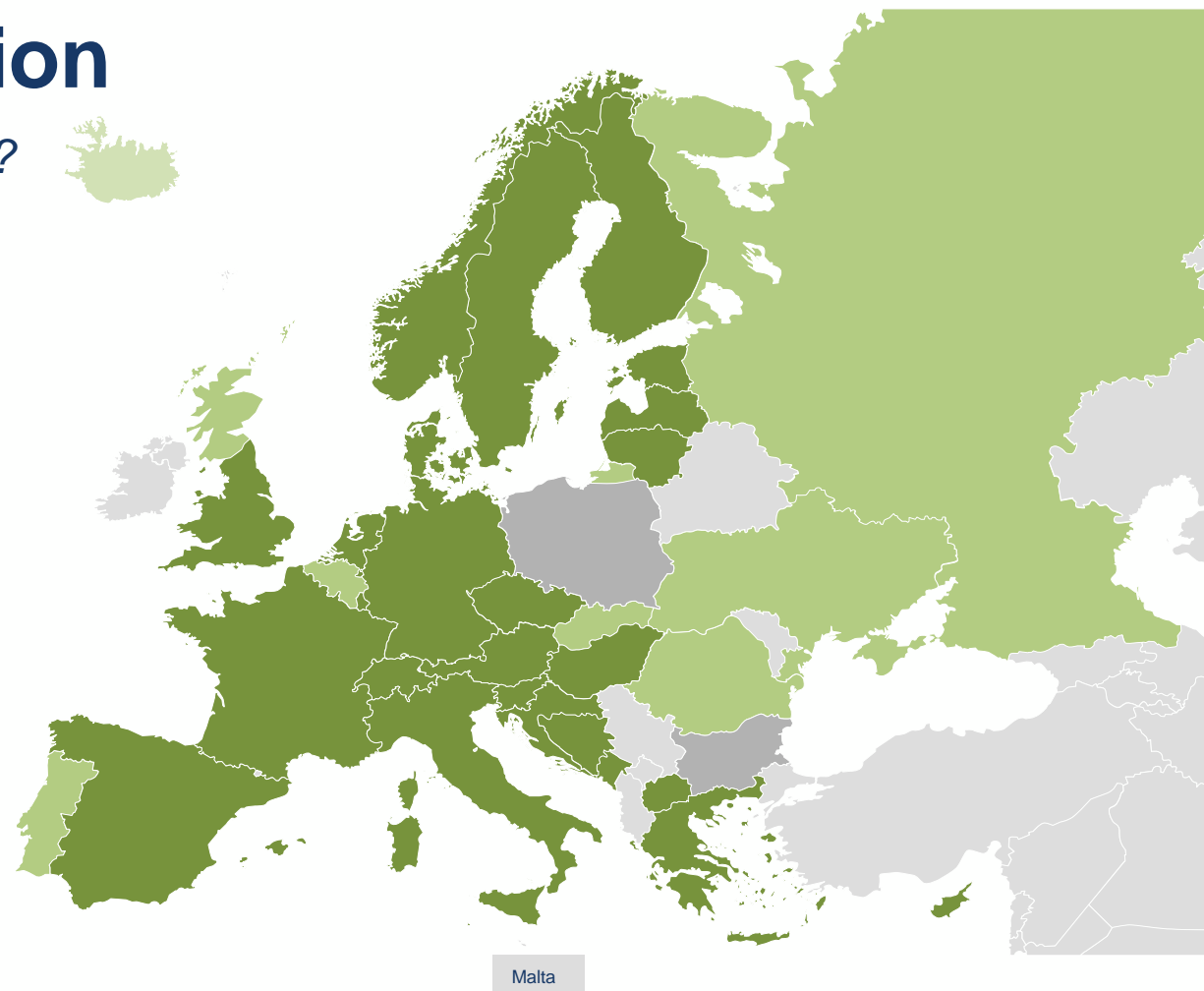
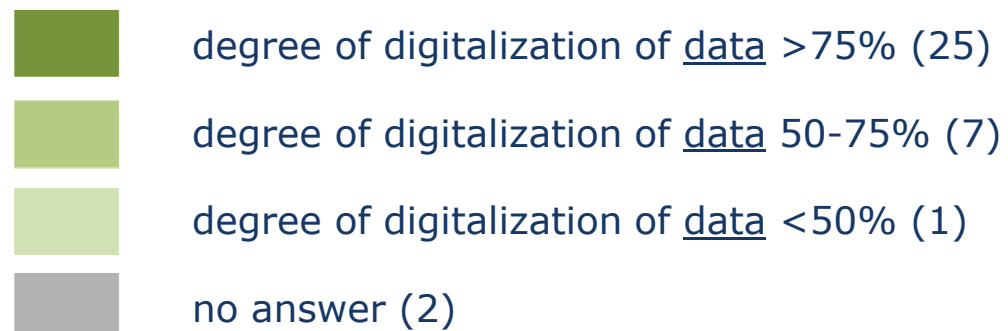
## 1.4 Financial Model of those Institutions

*What is the financial model of this institution?*



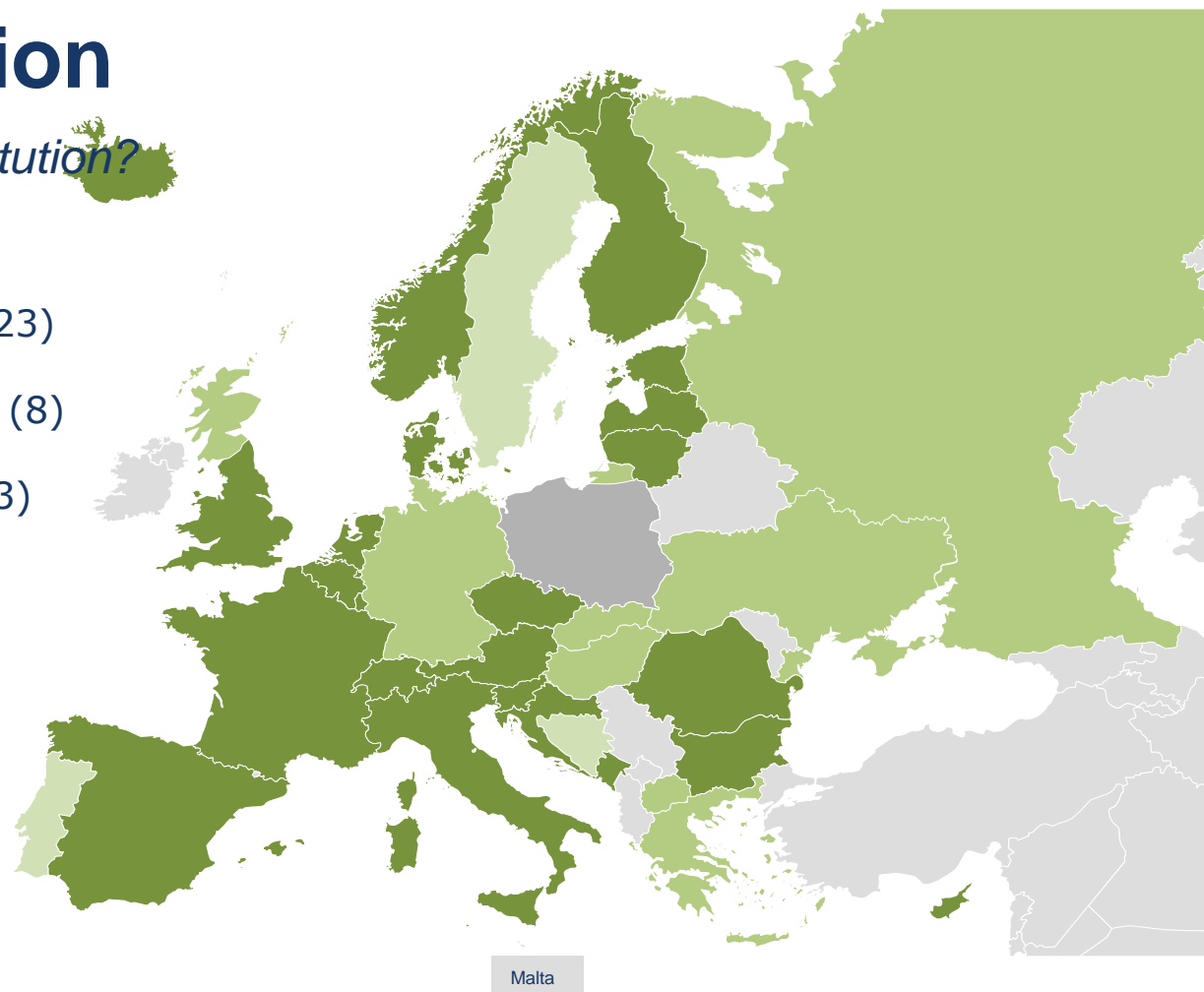
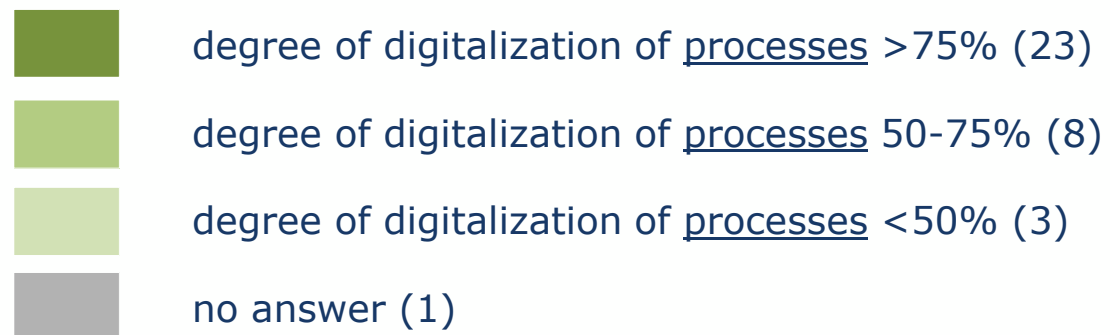
## 1.5a Degree of Digitalization

*Degree of digitalization of data in this institution?*





## 1.5b Degree of Digitalization

*Degree of digitalization of processes in this institution?*



## 1.6 Cadastre and Land Registry Organization

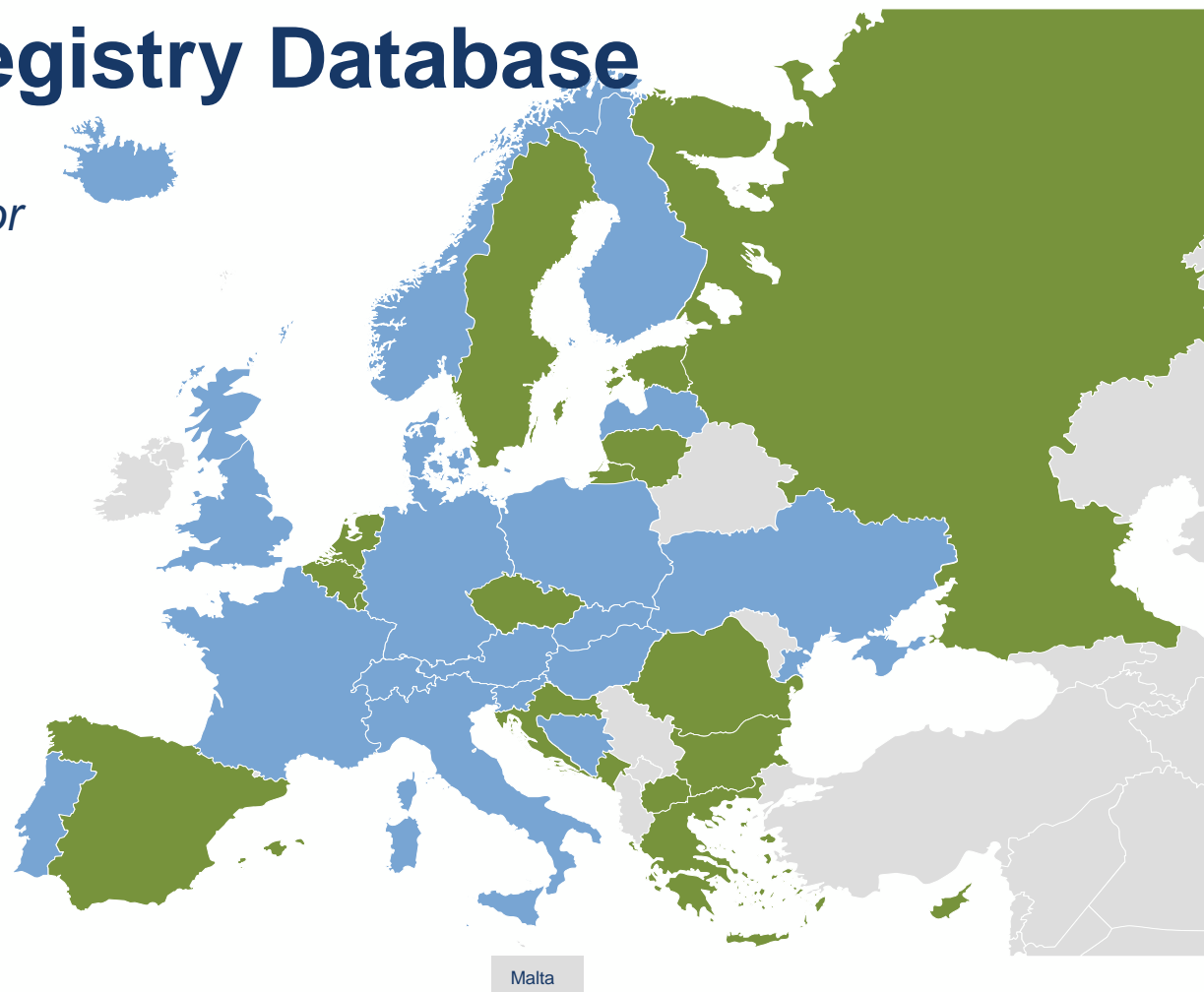
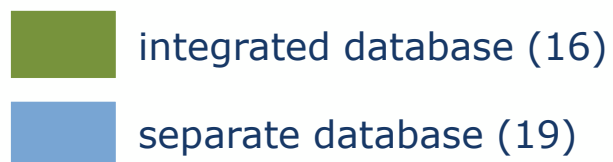
*Are the cadastre and land registry being operated by an integrated organization or by separate organizations?*

-  integrated organizations (19)
-  separate organizations (16)



## 1.7 Cadastre and Land Registry Database



*Are the data of the cadastre and land registry integrated and processed in a single database or are they separately being handled?*

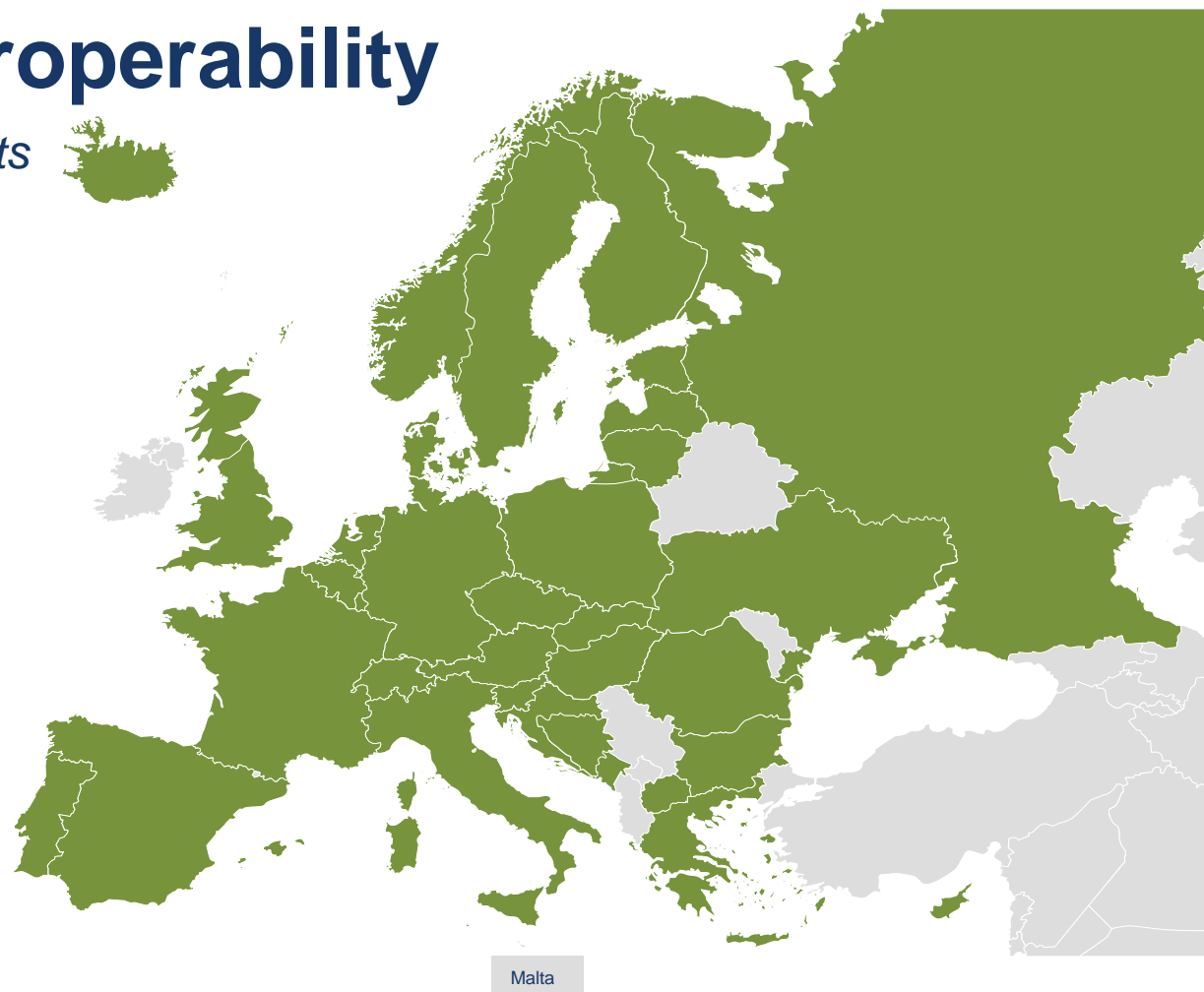




## 1.8a Geospatial Data Interoperability

*Interoperability of **cadastral data** with other parts of the LAS*

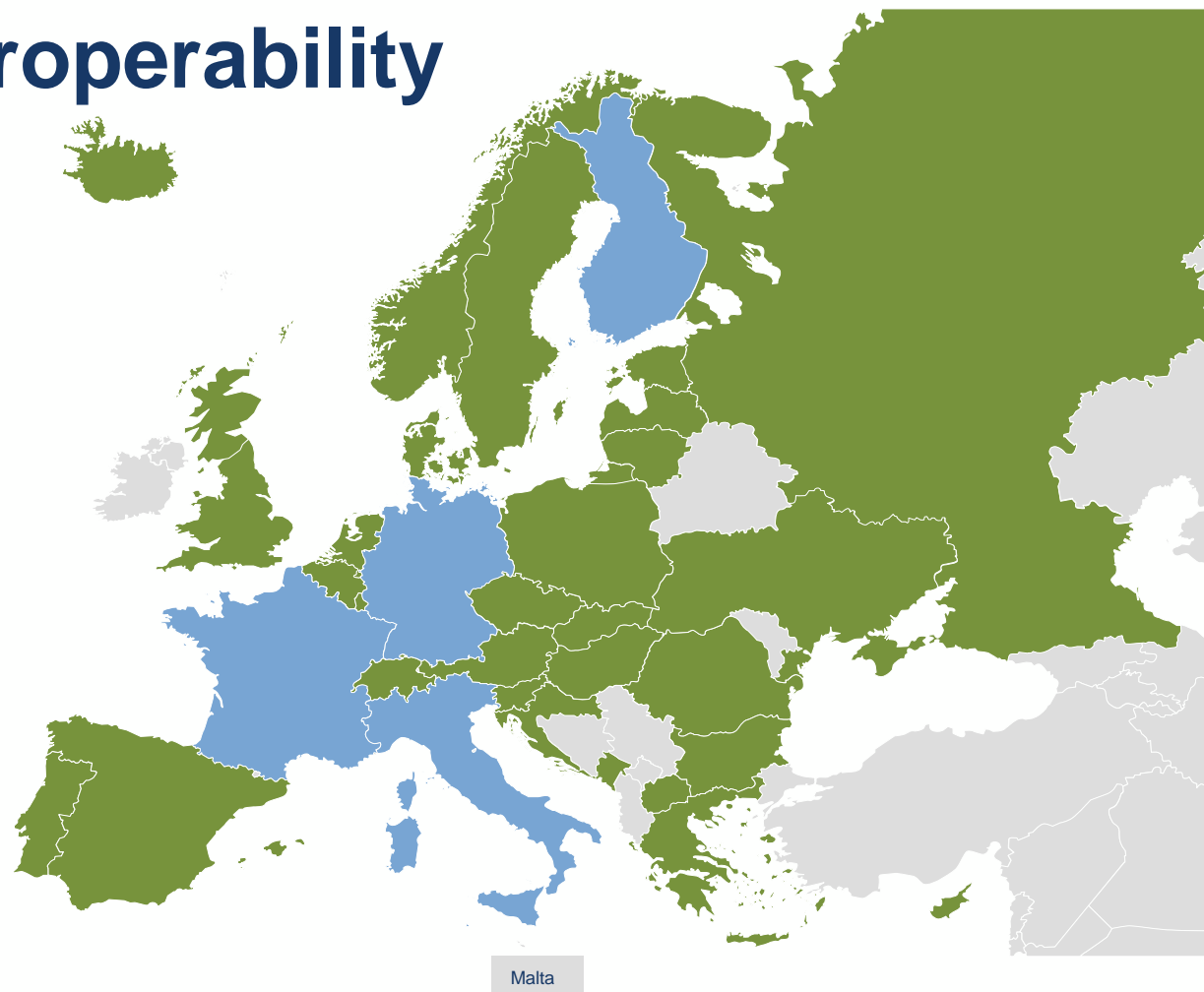
-  cadastral data are interoperable (35)
-  cadastral data are not interoperable (0)



## 1.8b Geospatial Data Interoperability

*Interoperability of **land registry data** with other parts of the LAS*

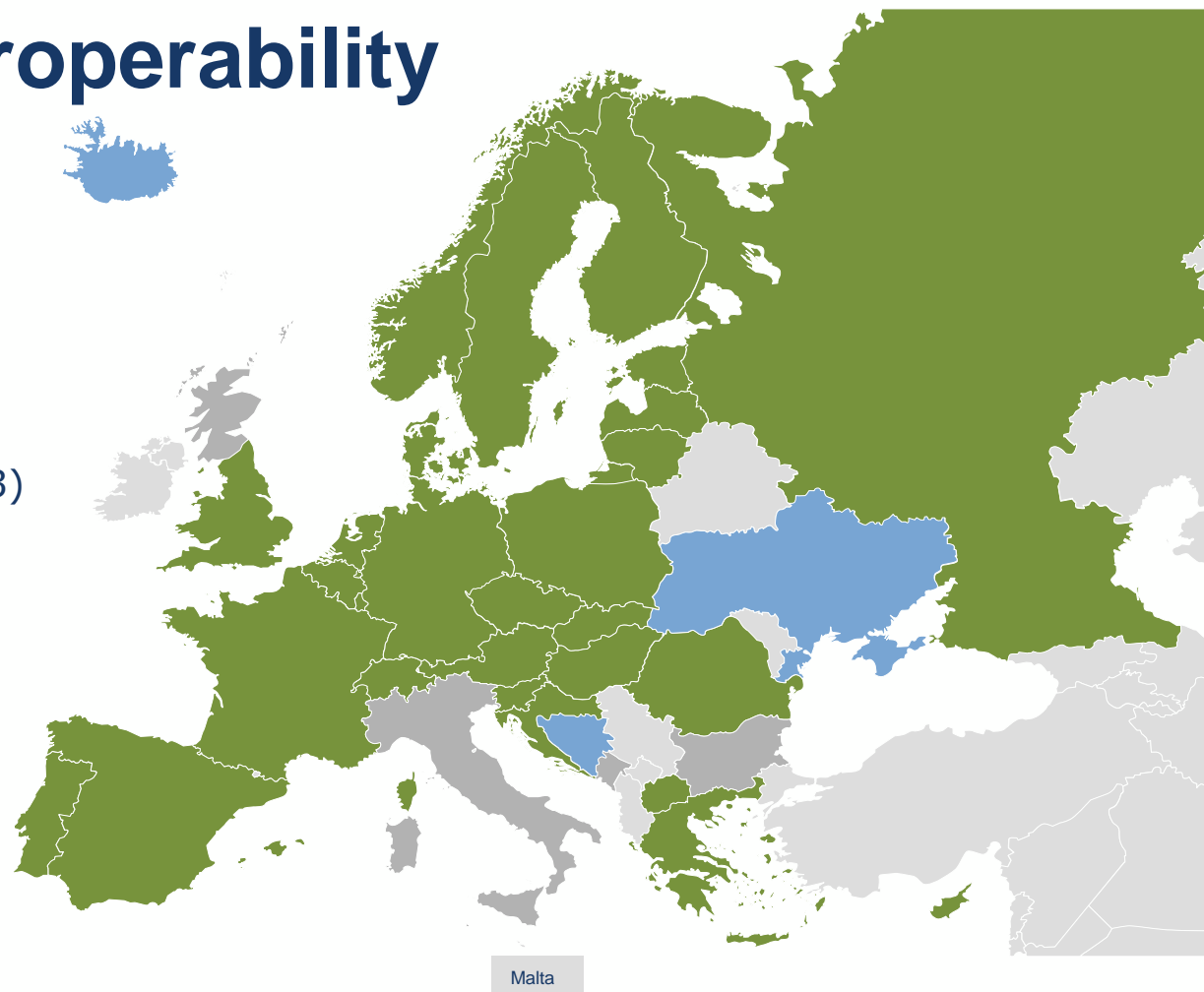
- land registry data are interoperable (30)
- land registry data are not interoperable (4)



## 1.8c Geospatial Data Interoperability

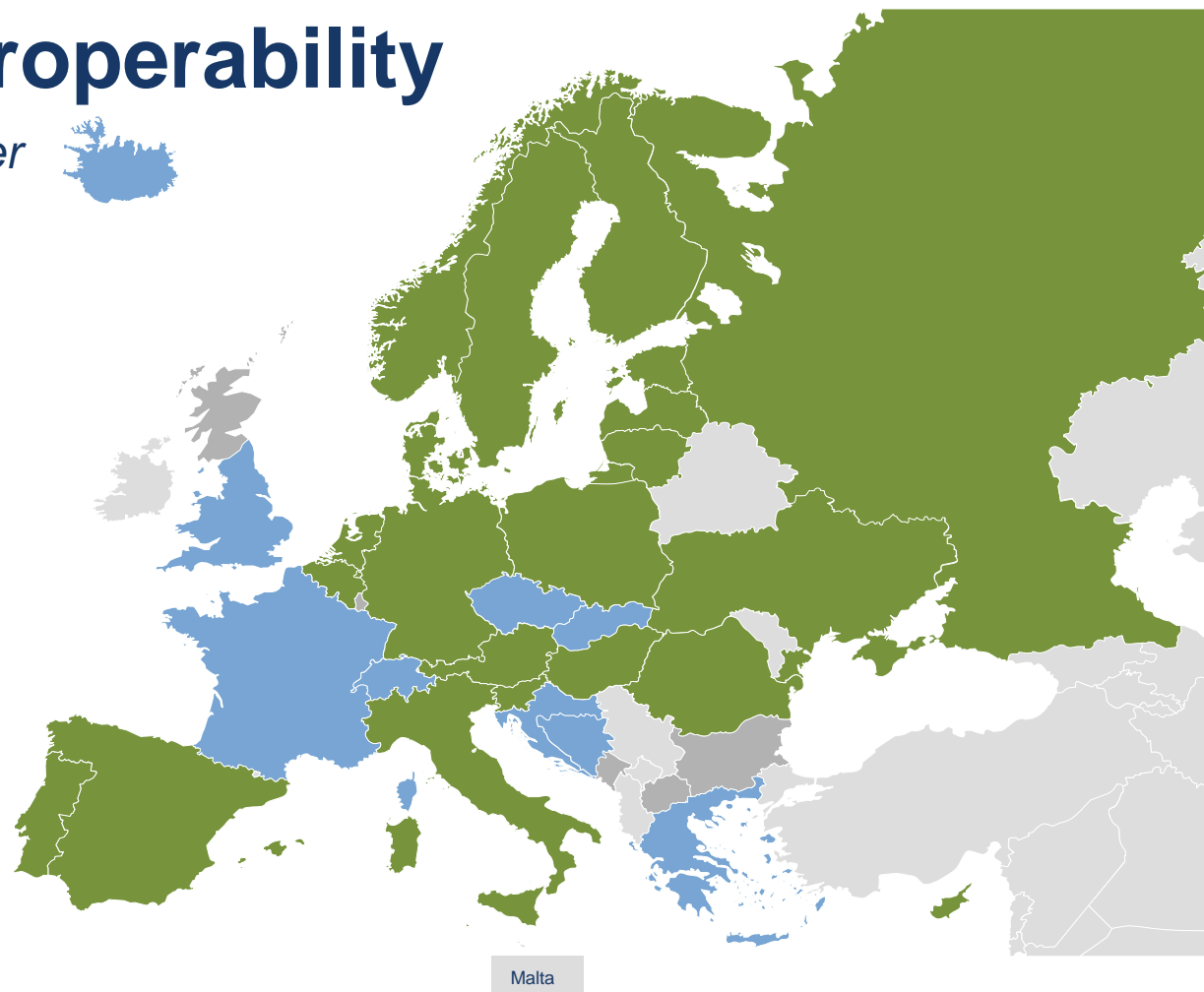
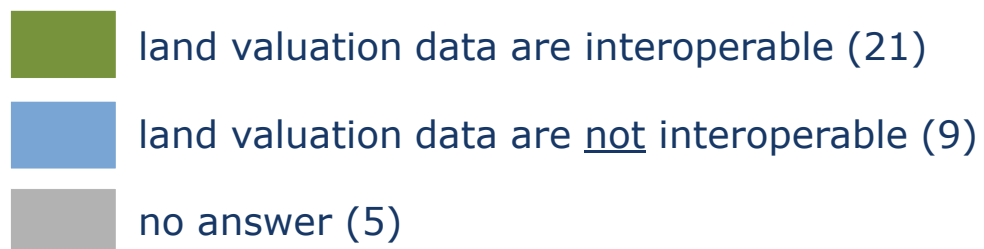
*Interoperability of **land-use planning data** with other parts of the LAS*

- land-use planning data are interoperable (28)
- land-use planning data are not interoperable (3)
- no answer (4)



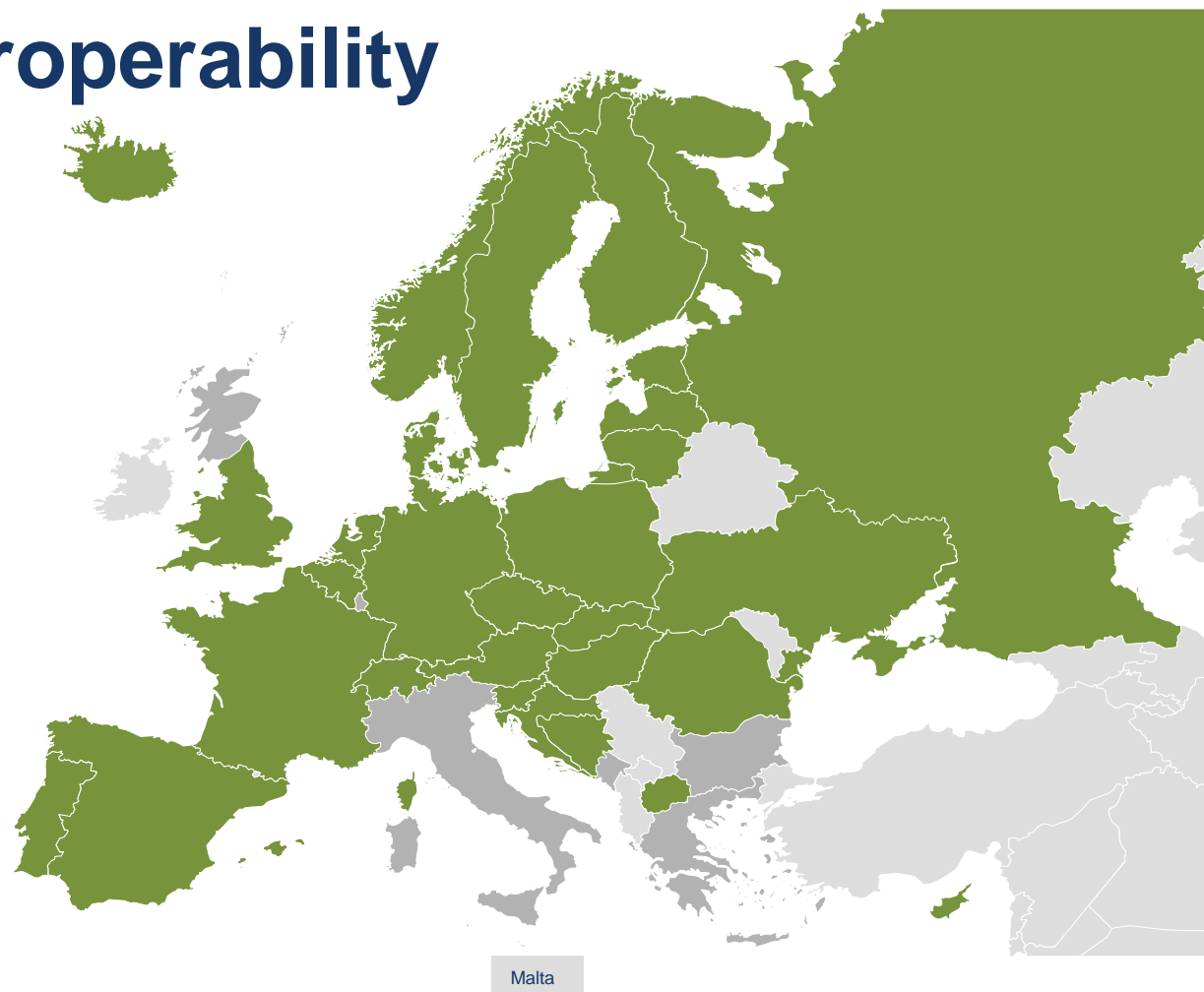
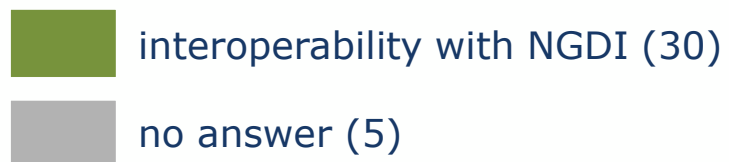
## 1.8d Geospatial Data Interoperability

*Interoperability of **land valuation data** with other parts of the LAS*



## 1.8e Geospatial Data Interoperability

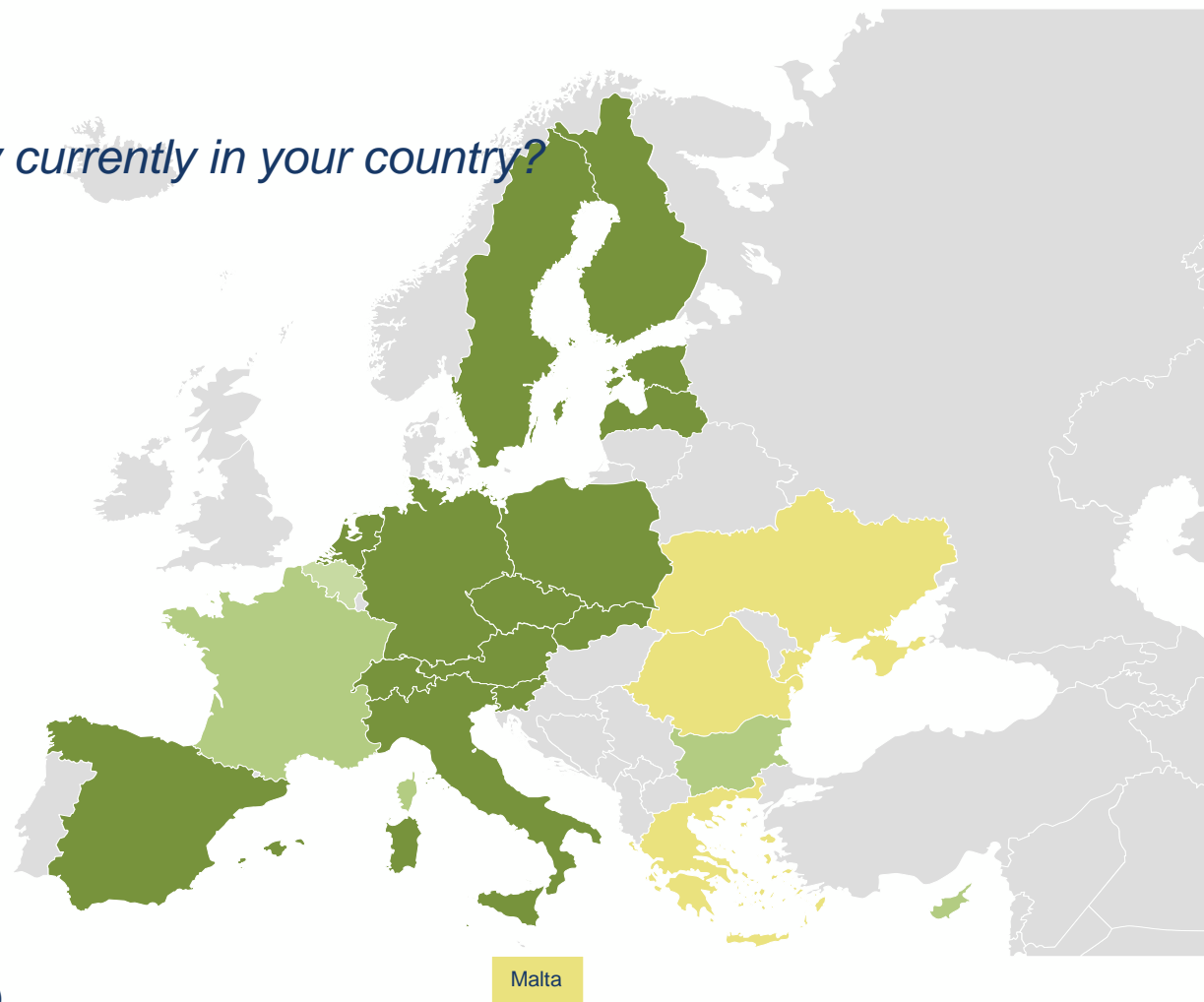
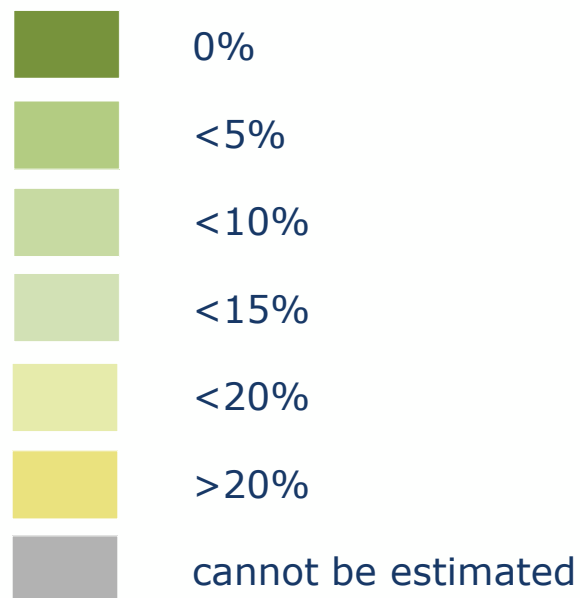
*Interoperability with **national geodata infrastructure***





# Unregistered Properties

*What is the percentage of unregistered property currently in your country?*



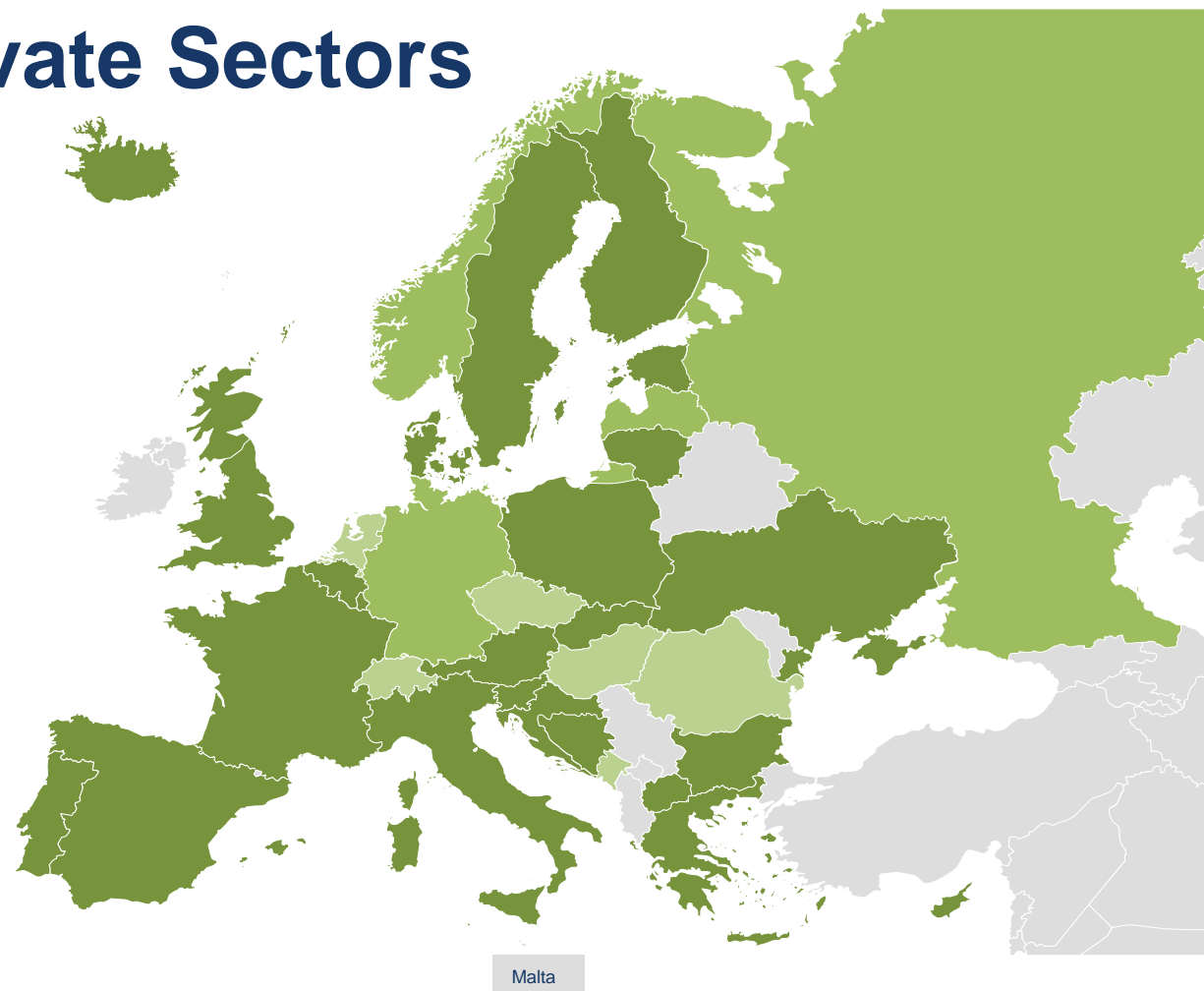
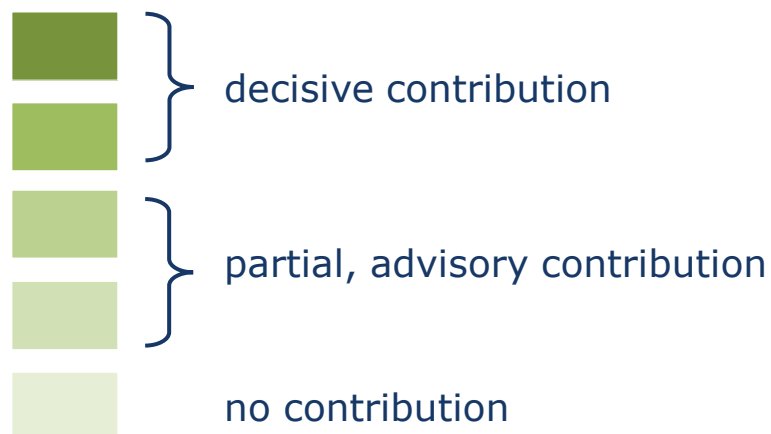
(results from "quick question" by Dimitris Rokos, 13 May 2021)

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## 3 Roles of Public and Private Sectors

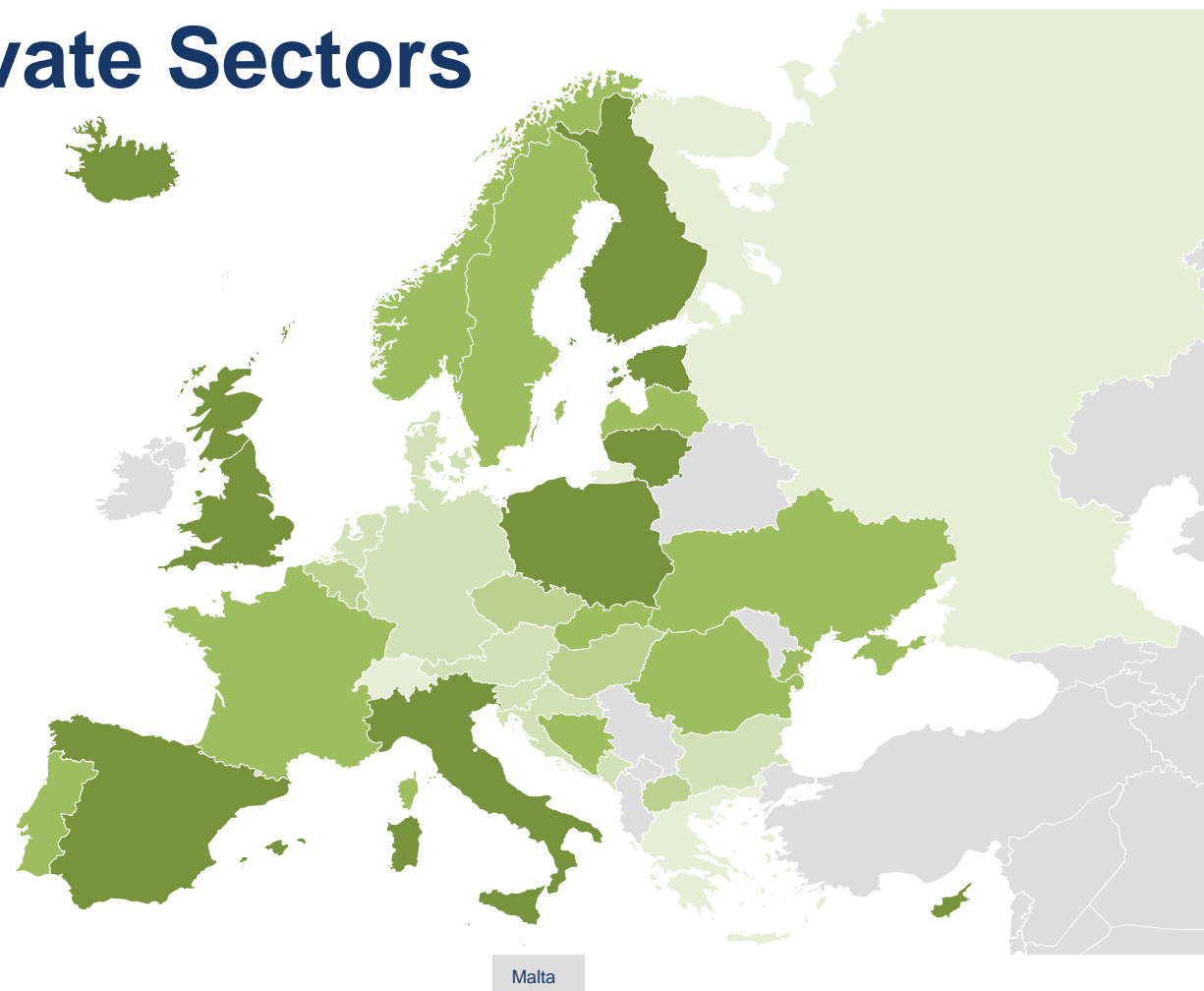
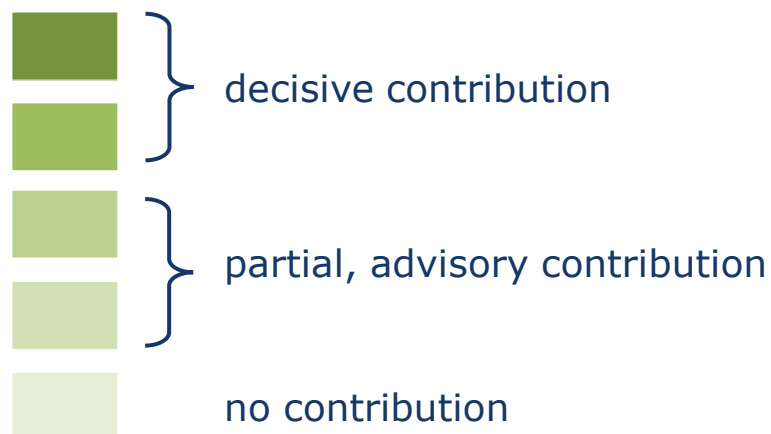
### 3.1 Contribution of **public sector** on the national and regional level



(contributions to strategic, operational, maintenance/updating, client relations activities)

## 3 Roles of Public and Private Sectors

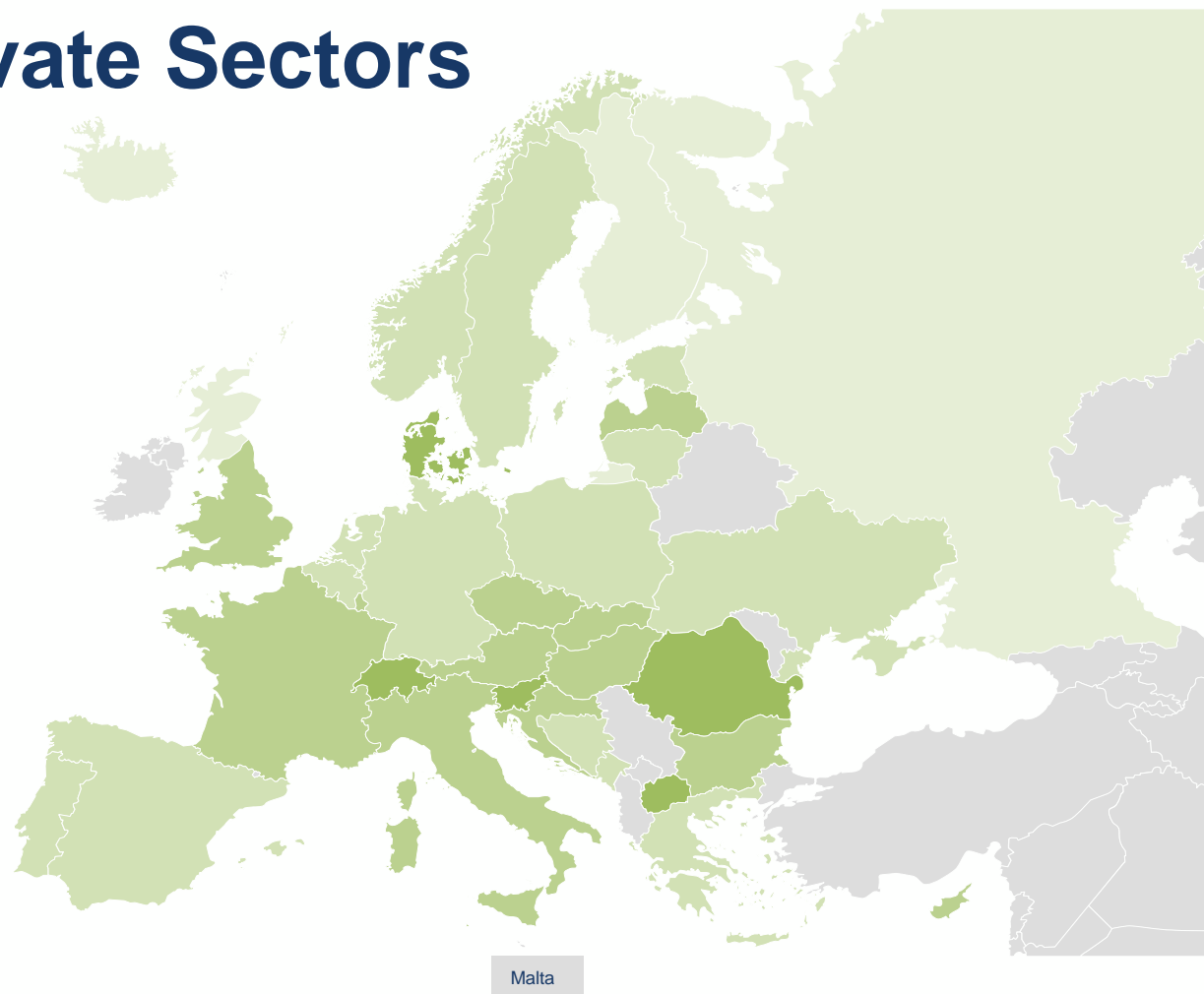
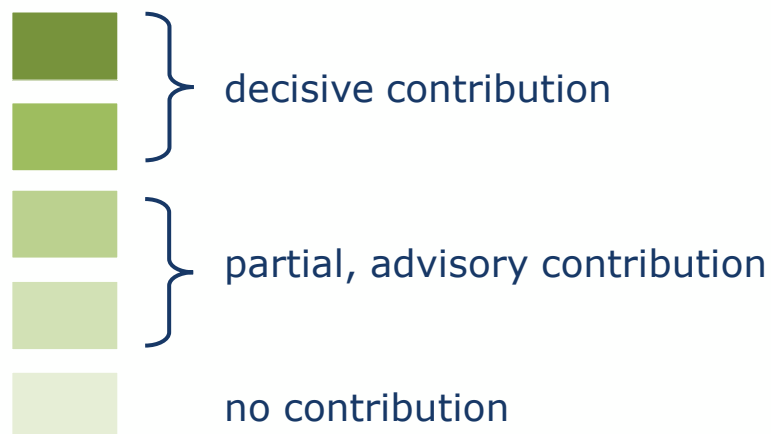
### 3.2 Contribution of **public sector** on municipal level



(contributions to strategic, operational, maintenance/updating, client relations activities)

## 3 Roles of Public and Private Sectors

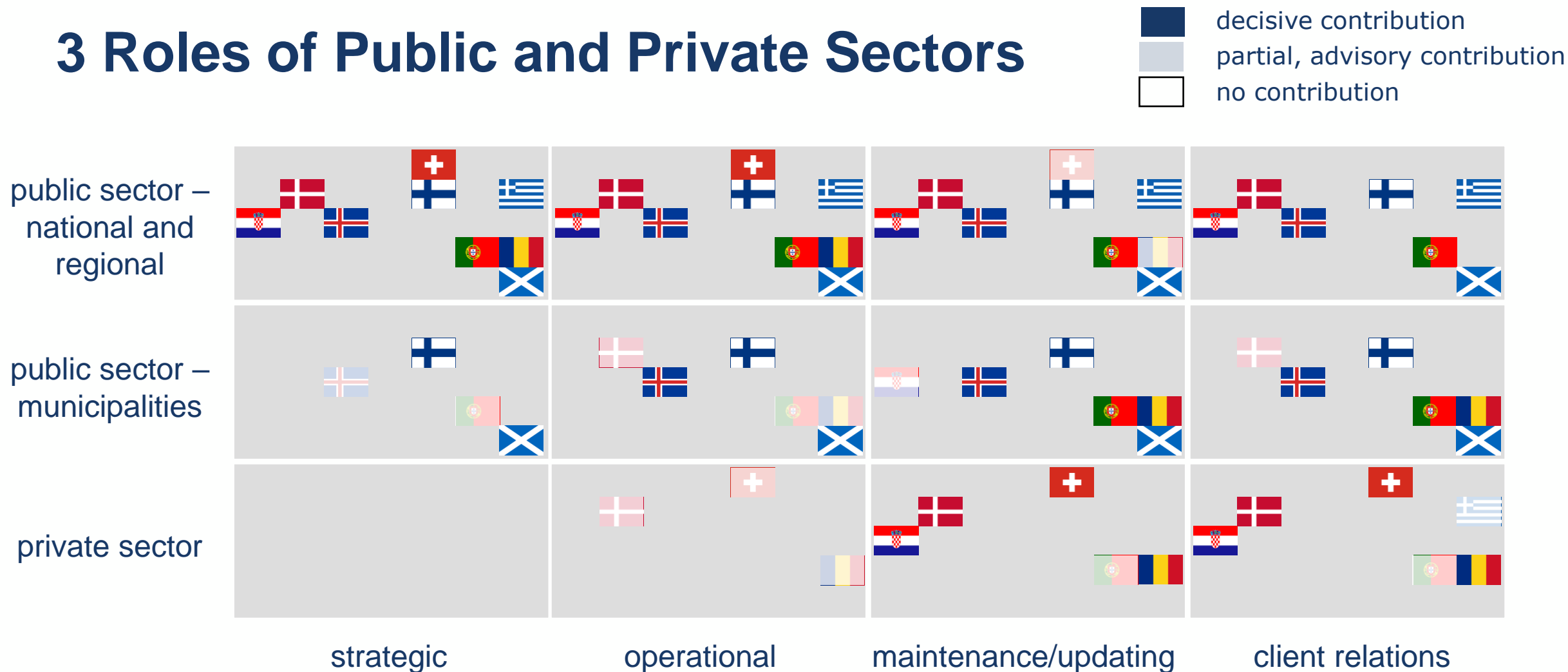
### 3.3 Contribution of **private sector**



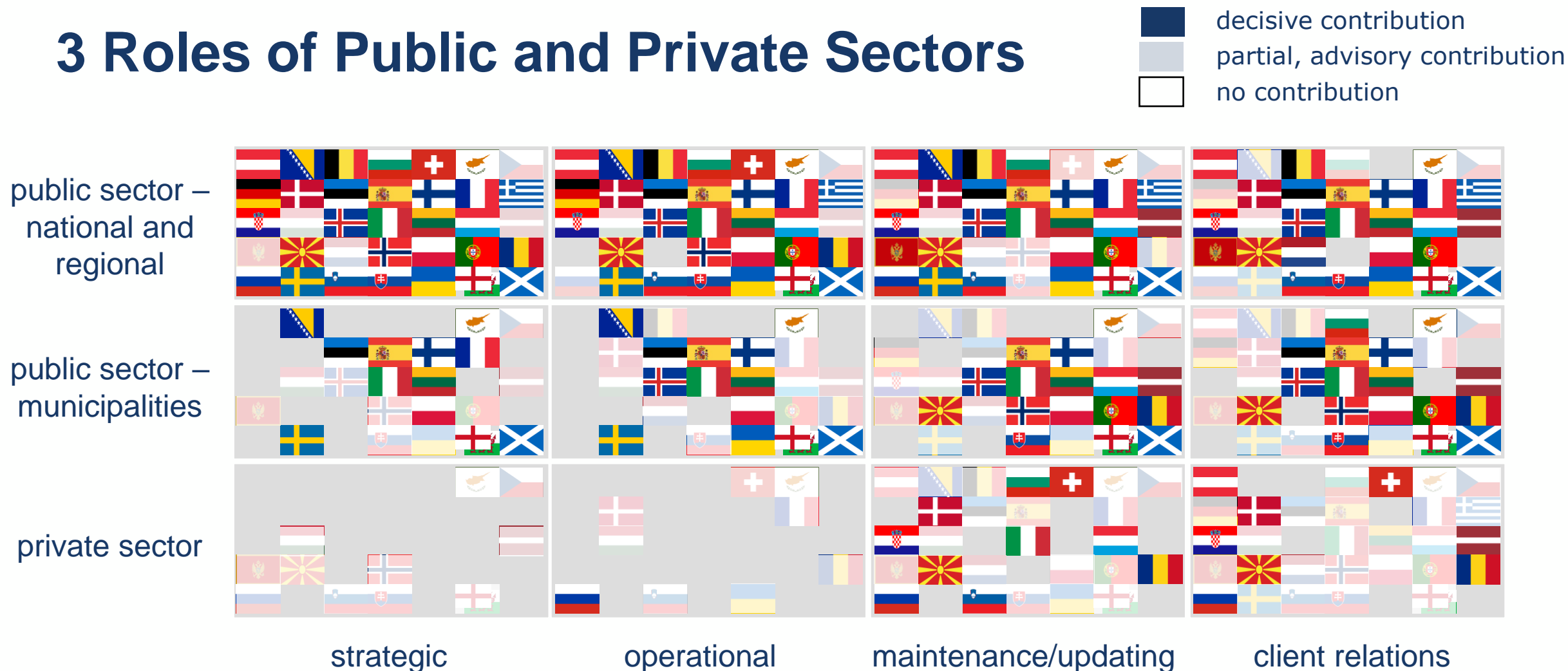
(contributions to strategic, operational, maintenance/updating, client relations activities)



### 3 Roles of Public and Private Sectors



### 3 Roles of Public and Private Sectors



## BIOGRAPHICAL NOTE

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**Sessions 1 and 2 |**

Summary of Questionnaire (Parts 1, 2, 3)

Daniel Steudler holds a PhD degree from the University of Melbourne, Australia and is a scientific associate with the Swiss Federal Office of Topography swisstopo, working for the Federal Directorate for Cadastral Surveying. He has been active in FIG-Commission 7 for many years and was chair of the FIG-Task Force on «Spatially Enabled Society». He published widely in the cadastral field and consulted internationally in land administration and cadastral issues. Since March 2015, he is chair of the EuroGeographics "Cadastre and Land Registry" Knowledge Exchange Network.

PHOTO

