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

- replied
- no feedback or out of scope
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
- **Part II** – Innovations in Cadastre and Land Administration
- **Part III** – Roles of Public and Private Sectors
- **Part IV** – Relationship between Cadastre and Decarbonisation
## 1.1 Institutions responsible for LAS

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

<table>
<thead>
<tr>
<th>4</th>
<th>NMCA + LR</th>
</tr>
</thead>
<tbody>
<tr>
<td>10</td>
<td>NMCA</td>
</tr>
<tr>
<td>5</td>
<td>Cadastre</td>
</tr>
<tr>
<td>1</td>
<td>Cadastre &amp; Register</td>
</tr>
<tr>
<td>5</td>
<td>Register</td>
</tr>
<tr>
<td>2</td>
<td>Finance &amp; Revenue</td>
</tr>
<tr>
<td>1</td>
<td>Geodata Focus</td>
</tr>
<tr>
<td>4</td>
<td>Other</td>
</tr>
</tbody>
</table>

CZ Surveying, Mapping and Cadastre / FI National Land Survey / NL Cadastre, Land Registry and Mapping Agency / SE Lantmäteriet

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

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

RO Agency for Cadastre and Land Registration

IS Register Iceland / LT State Enterprise Centre of Registers / PL Land and Buildings Register / EW HM Land Registry / SC Register of Scotland

FR Directorate General of Public Finance / IT Revenue Agency

DK Geodata Agency

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?*

<table>
<thead>
<tr>
<th>Responsibility</th>
<th>Frequency</th>
</tr>
</thead>
<tbody>
<tr>
<td>Cadastre</td>
<td>30</td>
</tr>
<tr>
<td>Topographic mapping, cartography</td>
<td>19</td>
</tr>
<tr>
<td>Geodesy, geodetic framework, gravimetry</td>
<td>18</td>
</tr>
<tr>
<td>National Spatial Data Infrastructure</td>
<td>14</td>
</tr>
<tr>
<td>Land registration</td>
<td>17</td>
</tr>
<tr>
<td>Land valuation, mass valuation, appraisal</td>
<td>11</td>
</tr>
<tr>
<td>Land consolidation, land reform</td>
<td>5</td>
</tr>
<tr>
<td>Administration of state land</td>
<td>4</td>
</tr>
<tr>
<td>Addresses, buildings, geographic names</td>
<td>7</td>
</tr>
</tbody>
</table>

**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?

- Digitization of processes and data: 9
- Development of NSDI, web access: 8
- Improved quality of data and services: 8
- Services to clients/citizens: 7
- Engage with stakeholders, collaboration: 4
- Open government data: 3

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?**

- **100% Government funded** (22)
- **50-99% Government funded** (2)
- **1-49% Government funded** (2)
- **partially Government funded** (4)
- **self-financed** (4)
- **no answer** (1)

![Map of Europe showing financial models of land administration systems]
1.5a Degree of Digitalization

Degree of digitalization of data in this institution?

- degree of digitalization of data >75% (25)
- degree of digitalization of data 50-75% (7)
- degree of digitalization of data <50% (1)
- no answer (2)
1.5b Degree of Digitalization

*Degree of digitalization of processes in this institution?*

- degree of digitalization of processes >75% (23)
- degree of digitalization of processes 50-75% (8)
- degree of digitalization of processes <50% (3)
- no answer (1)
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?

- integrated database (16)
- separate database (19)
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

- land valuation data are interoperable (21)
- land valuation data are **not** interoperable (9)
- no answer (5)
1.8e Geospatial Data Interoperability

*Interoperability with national geodata infrastructure*

- interoperability with NGDI (30)
- no answer (5)
Unregistered Properties

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

0%  
<5%  
<10%  
<15%  
<20%  
>20%  
cannot be estimated

(results from "quick question" by Dimitris Rokos, 13 May 2021)
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
3 Roles of Public and Private Sectors

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

- **decisive contribution**
- **partial, advisory contribution**
- **no contribution**

(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

- Decisive contribution
- Partial, advisory contribution
- No contribution

(contributions to strategic, operational, maintenance/updating, client relations activities)
3 Roles of Public and Private Sectors

3.3 Contribution of private sector

- decisive contribution
- partial, advisory contribution
- no contribution

(contributions to strategic, operational, maintenance/updating, client relations activities)
### 3 Roles of Public and Private Sectors

<table>
<thead>
<tr>
<th></th>
<th>strategic</th>
<th>operational</th>
<th>maintenance/updating</th>
<th>client relations</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>public sector</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>national and regional</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>municipalities</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>private sector</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**Contributions:**
- **decisive contribution**
- **partial, advisory contribution**
- **no contribution**