EuroGeographics

CLRKEN
Cadastre and **L**and **R**egistry
Knowledge **E**xchange **N**etwork

CLRKEN – Results of Questionnaire on Future Workshop Themes
11 April 2016

Background Information about Questionnaire

The CLRKEN (Cadastre and Land Registry Knowledge Exchange Network) of EuroGeographics aims to help members to meet user's needs for cadastral information at both National and European level. In order to fulfil this aim and to keep the network alive, we are running approx. two workshops a year.

On 17/18 Feb., the Coordinating Committee of CLRKEN held a brainstorming meeting in order to identify topics that are of interest to our cadastre and land registry community. We came up with 19 different themes, which are listed in the Annex of this document. There is some overlapping between the themes, but this is intentional, as we would like to let the community set the priorities.

With the questionnaire, we were interested in getting the opinion of EuroGeographics' members about what the CLRKEN should choose as the focus for the next workshops. The questionnaire asked to give priorities to the 19 themes (low priority – not a relevant theme at the moment / medium priority – a relevant, but not urgent theme / high priority – should be a workshop theme in the next 12 months).
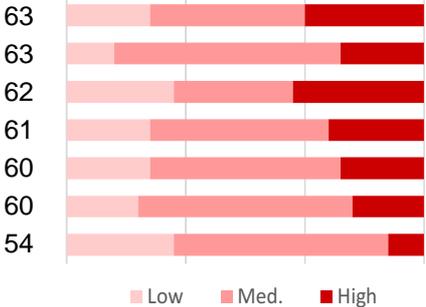
Up to 8 April, we received 30 replies, which are included in the following result summary.

Results and Ranking of Themes

The ranking of the themes has been done with the weighted sum of number of answers for each priorities. High priority has been given a weight of 3, medium priority a weight of 2, and low priority a weight of 1.

	Theme	Weighted sum	
5	Digital era, Spatially Enabled Society, Digital services	74	
7	Additional ways of data acq., Crowd-sourcing, Quality of data	74	
1	Role of the cadastre – now and in the future	73	
10	3D-Cadastre, Cadastre of Underground Facilities	73	
17	Business Models (operational, data provision)	73	
13	Use rights vs property rights, Public rights: legitimate vs legal	72	
9	Open Data	69	
2	Expectations by future customers	67	
4	E-Justice	66	
3	Evolution of CLR	65	
6	Game Changers: BIM, Interoperability, Bitland	65	
12	Follow-up on Public-Law Restrictions (PLR)	64	

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15	Importance of CLR and the role of EG members'	63	
19	Cadastral Template	63	
8	Address System	62	
11	Utilities, engineering constructions	61	
14	Importance of Cadastral Index Maps and ELF	60	
16	UN-GGIM work plan and programs	60	
18	Focus on non-EU countries CLR	54	

■ Low   ■ Med.   ■ High

Given Remarks in Questionnaire

Remark(s) about the above topics

- "Low Priority" has been selected for some topics, as legal regime in Austria is already regulating the topic or/and is already well developed in Austria i.e. addresses or e-government procedures in all administrative levels building on CLR data or/and is too close connected to constitutional framework of a state to be matter of intervention from outside

- A great selection of topics to discuss. I see a number of overlapping themes from each section which could be encompassed under an "Evolution in the Digital Era" This would discuss the current role and response of the cadastre, impact from customer demands, open-data, addresses, blockchain, privatisation, business models. Joseph Kelly

- All are important, even if marked as low priority!

- Topics NR 1., 2., 3. - are about the same. Could be one event.

- Bobo Tideström and I have gone through the questionnaire together. We think that all the topics are interesting and important, however we have tried to give some a higher priority. One comment is that some of the topics in the knowledge sharing part can be combined with e.g. topics as to the role of cadastre.

Suggestion(s) for other topic

- Privacy for CLR data, tracking procedures for OGD applications
- Some topics could be merged, eg. about future developments.

Suggestions/Ideas about operation of CLRKEN

The CLRKEN would like to thank all who took the time to participate in this questionnaire. The results will help us as guidelines in selecting the workshop themes in the next 12-24 months. Of course we stay open for other suggestions and ideas.

Daniel Steudler, Chair of CLRKEN

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Annex: Topics and Results of the Questionnaire

No.	Title of Workshop Theme Description of theme	No. of answers for each priority		
		low	med.	high
1	**Role of the cadastre – now and in the future:** The role of the cadastre in the future might be different to what it is today. But in what terms? How does it develop in relation to land registration and to the geo-information sector and spatial data infrastructures?	1	15	14
2	**Expectations by future customers:** Customers of CLR data, products, and services have certain expectations. These expectations may develop over time and be different in the future. How do we view the development of increased user involvement and digitization in our working processes?	3	17	10
3	**Evolution of CLR:** How can the developments in society be predicted and thus the demands for our services? How will the developments in the digital world, new types of user interactions and the need for the full legal picture have an impact on CLR?	3	19	8
4	**E-Justice:** Access for all parties involved in juridical procedures is the leading principle in Europe. This will affect the availability, accessibility and use of cadastral and land registry information.	5	14	11
5	**Digital era, Spatially Enabled Society, Digital services:** The digital age is here to stay; the CLR services are increasingly digital. What does that mean for cadastral data and services? What are expectations from a spatially enabled society?	4	8	18
6	**Game Changers: BIM, Interoperability, Bitland:** There are a number of developments that might have an effect on CLR, be it the promise of safe transactions by blockchain technology, interoperability of data, or the linking up with building information (BIM). What is their potential and is it possible to foresee their impact?	5	15	10
7	**Additional ways of data acquisition, Crowd-sourcing, Quality of data:** The new possibilities of crowd-sourced data may bring new ways of interaction with customers. But can we integrate those in our work flow and how would it affect data quality?	2	12	16
8	**Address System:** Addresses are the most common location identifiers; they are often referred to as the coordinate system of the citizens. They are therefore an essential element in CLR.	9	10	11
9	**Open Data:** Open data policies also affect CLRs. To what degree can CLR data be open or open access? And what is the underlying business model for open cadastral data?	5	11	14
10	**3D-Cadastre, Cadastre of Underground Facilities:** In our densely populated European countries, the 3rd dimension increasingly needs to be taken into account. How does this affect our systems and how can we create 3D enabled CLRs?	2	16	13

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11	**Utilities, engineering constructions:** Cables, pipelines and constructions are part of the new topography. How do they relate to and can or should they be accommodated in our CLRs?	7	15	8
12	**Follow-up on Public-Law Restrictions (PLR):** The documentation of PLR is increasingly becoming an issue in many countries. A first CLRKEN workshop took place in Nov. 2015, but a follow-up event might be useful.	6	14	10
13	**Use rights vs property rights, Public rights: legitimate vs legal:** Parties in the land market want a complete picture of the legal, legitimate and use situation. How can CLRs provide solutions?	4	13	14
14	**Importance of Cadastral Index Maps and ELF:** M CLR data are a unique asset of in the European Spatial Data Infrastructure. How can we interact with ELF to share the power of the cadastral index map?	7	16	7
15	**Importance of CLR and the role of EG members':** We are all struggling in explaining to our politicians and decision-makers what CLR is all about and why it is relevant to society and governance.	7	13	10
16	**UN-GGIM work plan and programs:** Present UN-GGIM work plan and familiarize with action programs.	6	18	6
17	**Business Models (operational, data provision):** Google and other private companies have set up map services as information platforms in order to provide all kinds of other services. Can we – as NMCAs – learn something from that?	3	14	14
18	**Focus on non-EU countries CLR:** Not all of EuroGeographics' member countries are also member in the European Union; nonetheless they often face challenges defined by the EU.	9	18	3
19	**Cadastral Template:** Repository for the description and for key indicators of our national cadastral systems, serving for setting-up best practices and monitoring systems.	4	19	7