











# Finland updates in 2016

www.cadastraltemplate.org

### D.3 Role of Cadastral data inSDI

Due to improved technical possibilities the utilization of cadastral data is increasing. It is possible to get access to the map and the attribute data online with LIS Web browser service, with Cadastral and Land register statement service (https/pdf), with data request services (WFS and REST) and with data service by order. The cadastral data together with a topographic map is utilized in regional planning, utility planning etc. These activities are carried out on local and national levels.

### E.1 Cadastral Issues

A standard transaction (title) to a basic property unit or unseparated area is a fast process, but subdivision (parcelling out) takes 5.4 months on average.

There are 76 updating organizations in the cadastre and the quality of data is to be defined and harmonized. The data has been produced during a long period of time.

As information about all the servitudes (rights of way) are not included in the cadastre; some archive studies are often

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# **Iceland updates in 2016**

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## D.1 Cadastral Map

- an official cadastral index map is now available for all of Iceland
- the same data is also accessible through ELF services
  Registers Iceland published in 2015 guidelines to standardise the content of cadastral survey documents.

# D.3 Role of Cadastral Layer in SDI

The cadastral map data was published freely available as an open source data in spring 2016

# E.1 Cadastral Issues

- · Reform on legislation and regulation. No cadastral law is in place in Iceland
- Cadastral mapping collecting boundary data
   Data sharing distribution of cadastral data

# E.2 Current Initiatives

working on points 1 and 2 mentioned above





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# Malaysia updates in 2016 www.cadastraltemplate.org D1 - Cadastral Map · based on the geocentric Cassini-Solder Coordinate System and each State has its own origin and reference meridian resulting in a total of 9 different State coordinate systems · used primarily for identification of land parcels for land management • implementation of eKadaster system, commissioned in 2010. D.3 Role of Cadastral Layer in SDI Malaysia SDI (acronym MyGDI) formally established in 1997 · datasets obtained from the land related systems, or more specifically, the databases of agencies linked to MyGDI. · cadastral layer is one of the main constituents of this base map. E.1 Cadastral Issues 1. Existence of Different Coordinate Systems 2. Legalising the NDCDB 3. Complete Cadastre **E.2 Current Initiatives** 1. Continuous survey quality monitoring 2. Continuous enhancement of NDCDB 3. Value Adding NDCDB 4. Integration of eKadaster and CLRS 5. Propagating Work in the Digital Environment CADASTRAL TEMPLATE 2.0 | FIG-Commission 7 AM 2016, Coimbra



# Belarus updates in 2016

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#### D.1 Cadastral Map

- the cadastral map is the document of the United Register of Immovable Property, rights to it and transactions with them; it is conducted exclusively in digital form
- the cadastral map is formed by combination of vector digital map or ortophotomap with data of United Register of Administrative-territorial and Territorial Units of Belarus and United Register of Immovable Property, rights to it and transactions with them
- · maintenance rules and accuracy of digital map is regulating by technical standards

## D.3 Role of Cadastral Layer in SDI

- cadastre maps are part of Spatial Data Infrastructure (SDI)
- example: cadastral map used as a SDI layer in multilevel corporate municipal GIS / cadastral map used in information systems of local authorities supporting administrative procedures of delivery of permissions to excavation

- 1. the need to achieve a high data integrity and error correction in cadastre data bases.
- 2. the need to achieve real time scale of reference in the central data bases.
- 3. to achieve high quality services in the E-Government, including registration on the base of digital documents.
- 4. to provide high coverage level and high data completeness for good property tax administration.

- · transition to real time cadastre and registry of rights;
- reduction of registration time for some administrative procedures to up to 1 hour:
- · automatic registration in certain cases using an expert computer system;
- rodress coordination with the ISO 19XXX standards, including ISO 19152 "Land A
- · transition to digital archives;
- reduction of operating costs by optimizing the structure;
- expansion of the quantity and quality of e-services
- · mass immovable property formation and registration by using different methods including Remote Sensing.

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# Canada updates in 2016 www.cadastraltemplate.org D.1 Cadastral Map Canada Lands Survey System - CLSS Map Browser · the federal government as well as most of the provinces and ● Q Q 3 **G G B G B** = | territories maintain a digital cadaster · there is no nationwide cadastre that shows all the jurisdictional · the Canada Lands digital cadastral data is updated every 24 hours D3 - Role of Cadastral Layer in SDI · CLSS geospatial dataset is used as reference material the federal government datasets with geospatial representation of parcel and boundary information cannot be used for defining boundaries · the federal government cadastral data is publically available for download in progress CADASTRAL TEMPLATE 2.0 | FIG-Commission 7 AM 2016, Coimbra

# **Cadastral Template project**

www.cadastraltemplate.org

### **Status**

- 53 countries (+4 from last year)
- updating is on-going, however still slow (5 countries)
- · content of value of information seems to be valuable
- mandate by University of Melbourne (Abbas Rajabifard and myself) ends by the end of the year 2016

### Issues

- infrastructure and process for the maintenance of the CT is still felt too heavy
- CT information is a great resource for FIG and it would be an asset to have the CT integrated into FIG.net website

# Aim of this annual meeting

 discussion and a clear statement by Commission 7 about the Cadastral Template and its future

# **Further steps**

- to check and discuss with University of Melbourne about their future plans
- · to check and discuss with FIG about their future plans
- to come up with a concept/strategy about the future of the Cadastral Template

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13