

Free Internet Access to Cadastral Data - First Experience in the Czech Republic

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FIG WW 2004, Athens, Greece,
May 22-27, 2004

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The Czech Cadastre of Real Estates

History

- **Land Cadastre + Land Registry** (19th cent. – ½ 20th cent.)
separate technical and legal instruments
public access to information
- **Real Estate Registry** (1964-1992)
preference of registration of usership to ownership
technical instrument co-operating with State Notaries
access to information restricted to „entitled interest“
first steps in automation of updating and providing information
- **The Czech Cadastre of Real Estates** (1993-)
- multipurpose parcel-based land information system unifying technical + legal aspects (title registration)
- administered by central body of state administration – the Czech Office for Surveying, Mapping and Cadastre in Prague and Cadastral Offices in regions
- public access to cadastral information

FIG WW 2004, Athens, Greece,
May 22-27, 2004

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The Course of Digitalization of the Czech Cadastre

- Concept of digitalization of the Cadastre 1993
- Technical modernization of Cadastral Offices 1992-1994
- Conversion of descriptive information of the Cadastre including completion of missing data 1994-1998
- Start of conversion of cadastral maps 1994
- WAN of the Cadastre 2000
- Implementation of the Information System of the Cadastre 2001
- Paid Internet access to cadastral data for external users 2001
- Free public Internet access to selected data 2004
- Start of digitalization of the collection of deeds 2004

FIG WW 2004, Athens, Greece,
May 22-27, 2004

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Remote access to the Cadastre

On-line Internet access to up-to-date cadastral information from the whole Czech territory:

- **Descriptive data** (detailed information on owners, parcels and interests in land – 100% of the territory)
- **Geodetic data** (vector digital cadastral maps – 30% ČR)

Conditions:

- Registration and contract with the provider (CUZK)
- Prohibition of unauthorised data dissemination
- Initial payment in advance (paid access)

Clients:

- free access (since April 2004) – municipalities, regional self-governments
- paid access – banks, courts, state administration, lawyers, notaries, land surveyors, valuers, real-estate agents

FIG WW 2004, Athens, Greece,
May 22-27, 2004

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Free Internet access to selected cadastral data

Internet access to up-to-date cadastral information from the entire Czech territory:

1) Descriptive data

(basic information on parcels and buildings – type and use, area, name and address of owner, soil quality, information on ongoing changes)

2) Information on the terms and the state of individual cadastral procedures running at Cadastral Offices

Land registration :

- **entry** (changes of legal relations in the Cadastre on contractual base),
- **record** (changes in the Cadastre based on decisions issued by state administration and Courts),

Certification of legal surveys (Geometric plans)

Conditions:

- Public access, unlimited, without registration
- Free of charge

FIG WW 2004, Athens, Greece,
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Free Internet access to selected cadastral data

Example of information about a building

The screenshot displays a web interface for the Czech Cadastre of Real Estates (CUZK). The main content area shows details for a specific building, including its identification number and cadastral unit. The interface is annotated with callouts pointing to various data fields: 'Building No. & Cadastre Unit' at the top left, 'Viewing the Cadastre of Real Estates' at the top right, 'Type of Building' on the left side, 'Use of building' below it, 'Cadastre unit' in the middle, 'Land parcel No.' at the bottom left, 'Validity: Date, hr. min. sec.' at the bottom center, and 'List of owners' at the bottom right.

FIG WW 2004, Athens, Greece,
May 22-27, 2004

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Free Internet access to selected cadastral data
Example of information about an entry procedure

Information about data entry procedure

Participants

Sequence of operations

Start

Locking

Processing

Updating

No. of request

Cadastral office

Date

State of progress

Changes proposed

Approval

Decision

Entry

Validity: Date, hr. min. sec.

FIG WW 2004, Athens, Greece, May 22-27, 2004 7

Free Internet access to selected cadastral data
Viewing at the Cadastre (Nahlížení do katastru)

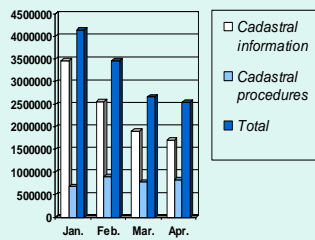
Advantages:

- **Simple and free access to basic cadastral data** (implementation of the right to free viewing at the cadastre in the electronic age)
- **Transparency of cadastral procedures at Cadastral Offices** (the public is easily able to check the terms and order of settlement of their applications)
- **Reduction of unproductive activities at Cadastral Offices**

Free Internet access to selected cadastral data - first experience

- **Great interest of citizens and public administration**
 Approximately 100 000 entries daily. Sufficient for wide scope of requirements.
- **Increased pressure on keeping to deadlines and maintaining chronological order in cadastral proceedings**
 Public check of activities of Cadastral Offices with positive influence on shortening deadlines

Entries in Viewing at the Cadastre in 2004



State information and communication policy
(e-Czech Republic 2006)

- **Legislation 2000-2004**
Acts on: public administration information systems
 electronic signature (electronic stamp-authorized cadastral information)
 electronic communication
 basic registers of public administration (register of territorial identification and real estates, reg. of citizens, economic subjects)
- **Technology 2005**
 Effective, reliable and safe **interconnection of basic information systems of the public administration** through a uniform communications infrastructure (Telecom)
- **Public service on-line 2005-2006**
Public administration contact places and the Czech Post-providing authorised extracts from public administration registers (including cadastre) and records, support of e-government
Public administration portal (pilot project 2003)-**electronic information** (authorities, registers, acts, life situations), -**electronic transactions** (taxes, applications for personal documents, social security benefits, etc.)

Conclusion

Great success of the application Free Internet Access to Selected Cadastral Data (Nahlížení do katastru) <http://nahlizeniido.kd.cuzk.cz/>

- Award of the Czech Ministry of Informatics for the year 2004
- Prestigious prize of the year 2004 „The Czech @“

Next targets in providing cadastral information

- Participation in activities and projects of the EU (e.g. EULIS)
- Creation of the register of territorial identification and real estates and interconnection with the rest of the information systems of the public administration
- Completing conversion of cadastral maps and of the collection of deeds
- Optimising the system and quality of cadastral data
- Recodification of civil and cadastral legislation (general target)
- Transition to decreased dependency on the state budget and later cost recovery (general target of the cadastral administration)