

e-Cadaastre in the Czech Republic

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Czech Office for Surveying, Mapping and Cadastre

**Joint Workshop on Cadastral systems, Inspire
Implementation and E-signature and Plenary meeting of the
Permanent Committee on Cadastre in the European Union**

Prague, 4 June 2009

Introduction and outline of presentation

- Information system of Czech Cadastre
- Remote Access to Cadastral data
- Viewing at Cadastre
- Contact points of public administration „Czech POINTS“
- Recently introduced e-Services and e-Products
- Consolidation and centralization of IC CRE
- Basic Register of Territorial Identification, Addresses and Real Estates

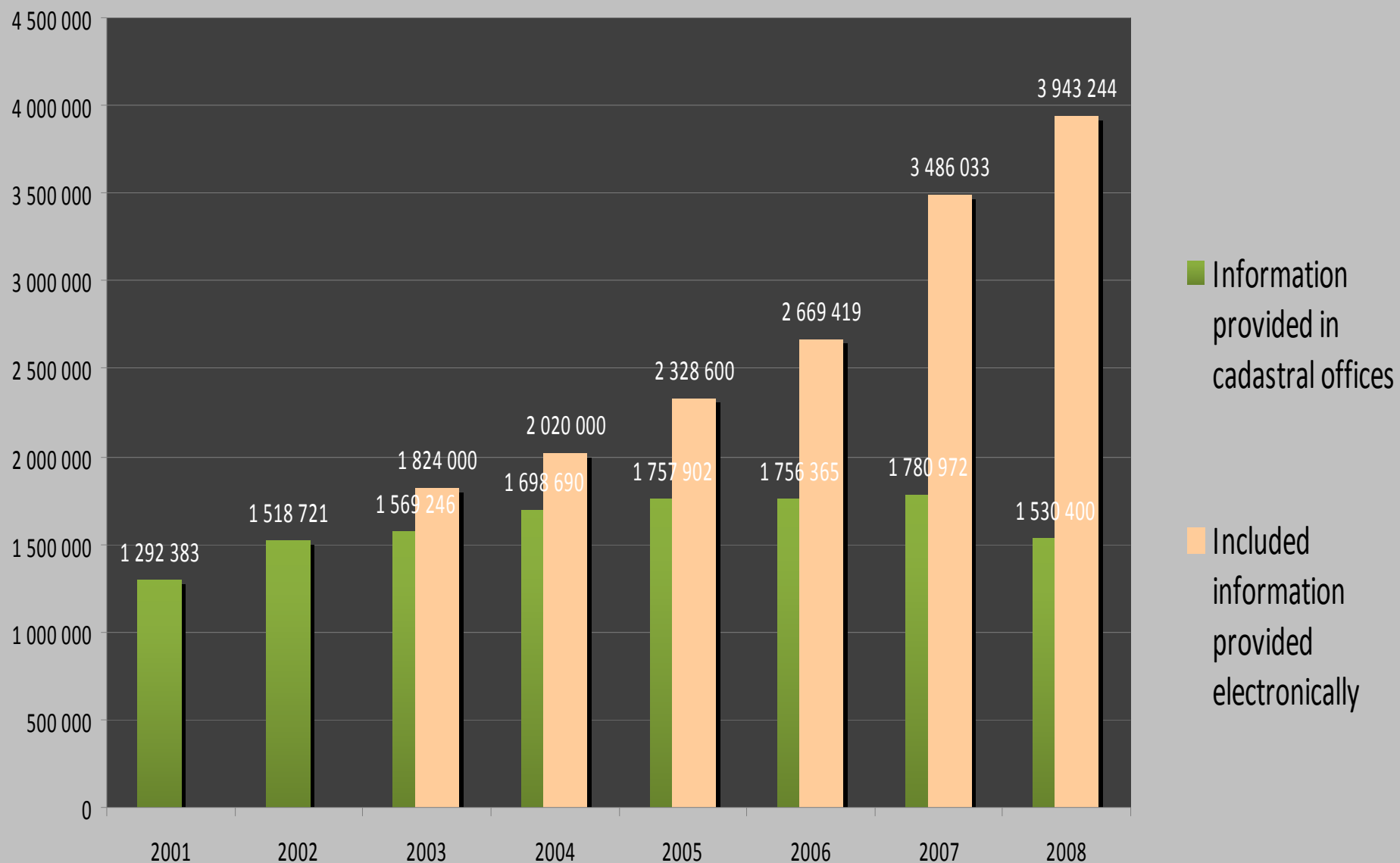
Information system of Czech Cadastre I

- Put into operation in 2001, continuous incremental development since that
- Uniform system, which supports all demands of state administration of Czech Cadastre, including legal rights to real estates
- 107 local databases and central one, which is updated each 2 hours – real time data in the central database
- Checks data on owners against IS of Inhabitants or Companies
- Possibility to view „historical“ and „future“ data
- Outputs are equipped with time of validity data
- Integration of written and mapping parts in one database ensures the mutual update of written and mapping data

Information system of Czech Cadastre II

- Three ways of provision of Cadastral information
 - At counters of Cadastral Offices
 - By data files in proprietary exchange format
 - **Via Internet**, central database serves as the sole point of connection to Internet:
 - Remote Access since 2001
 - Viewing at Cadastre since 2004
 - Web services since 2007

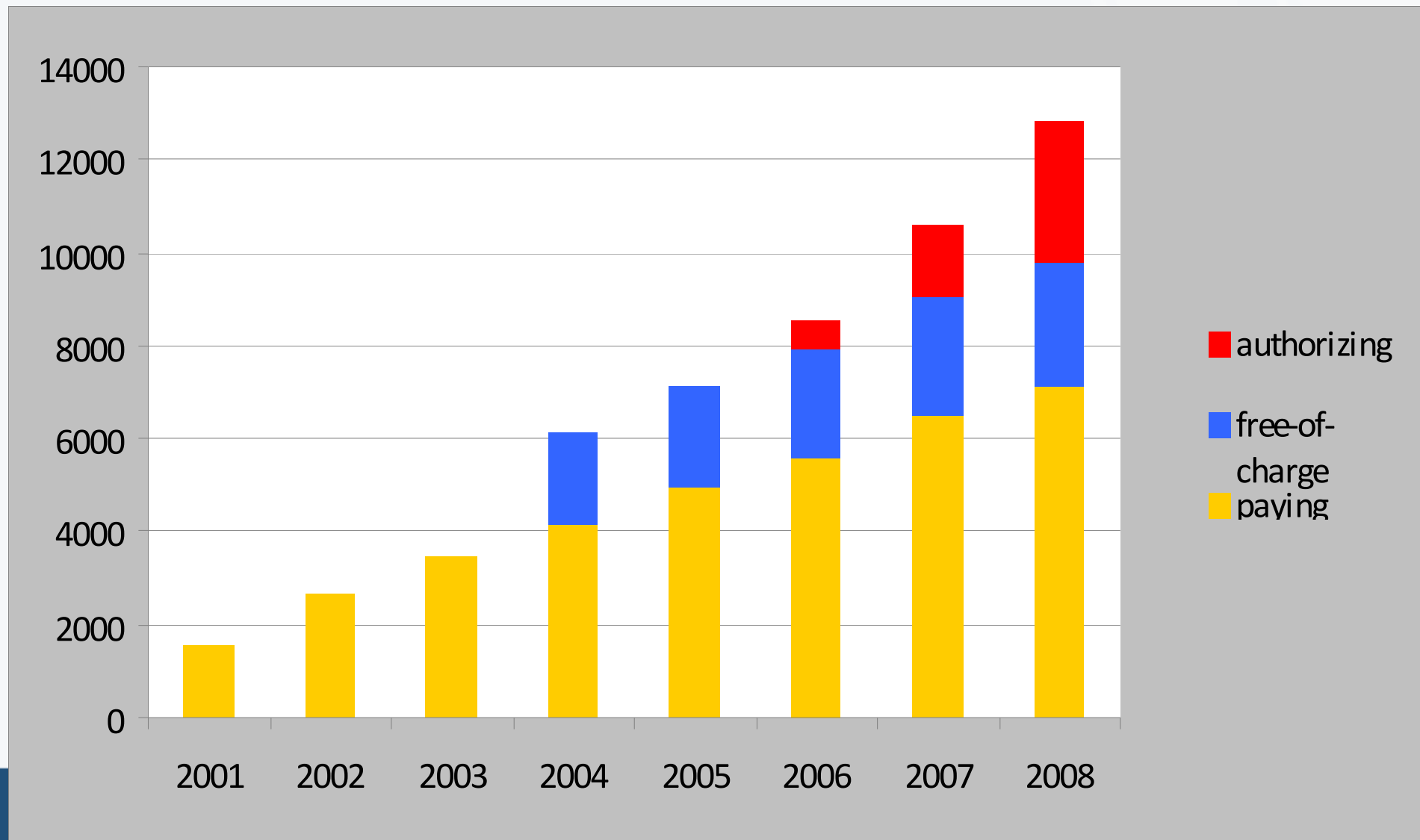
Provision of Information from the Cadastre of Real Estates



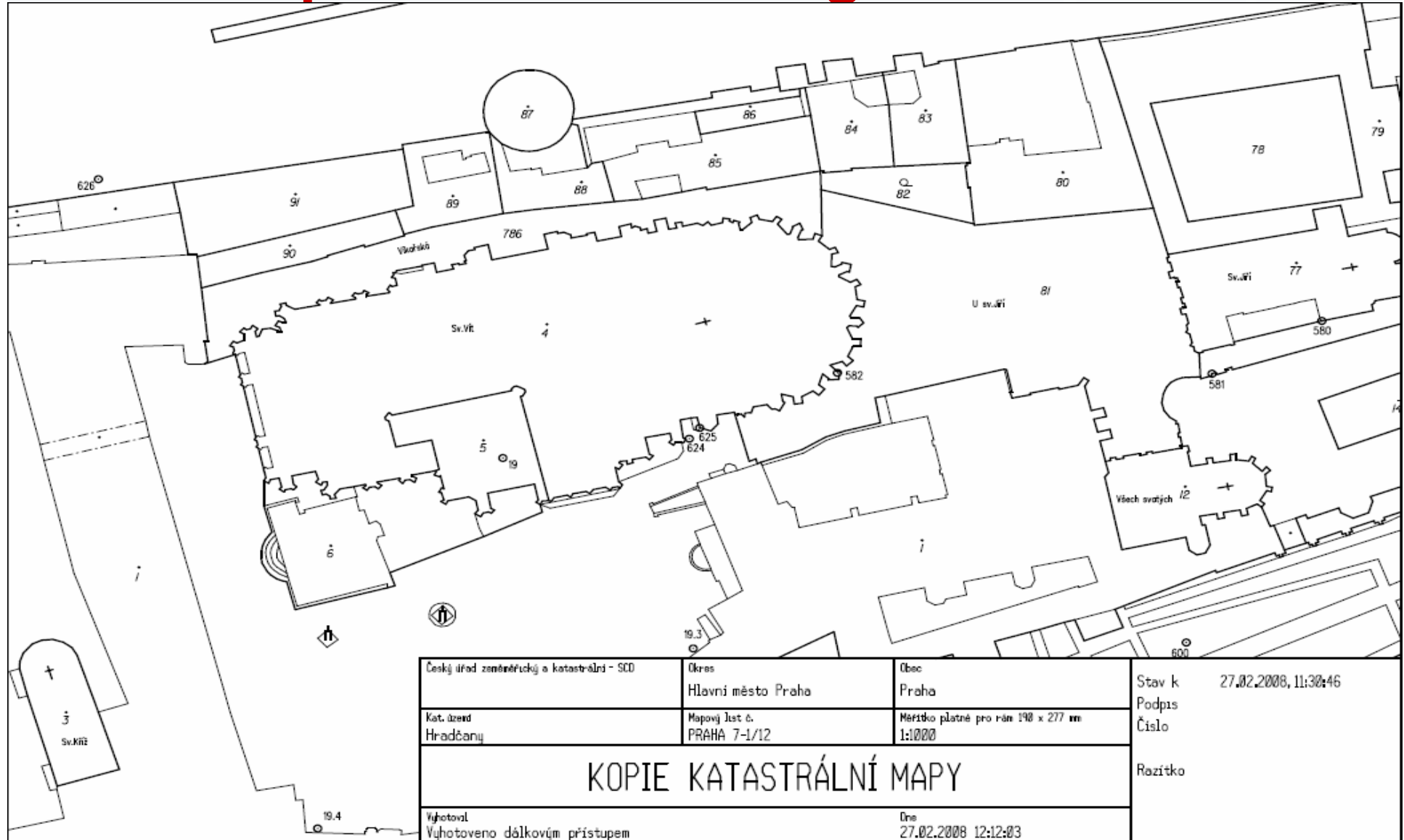
Remote Access

- Open for the public, but contract is necessary
- Search according to the identification of an owner or the address of real estate
- Provides the full range of detailed information
- Excerpt from Cadastre and Copy of digital cadastral map procured with e-Mark (electronic public documents), public administration bodies can get them directly, not to ask citizens to deliver them in paper form, a big contribution to the e-Government
- Orientation map of parcels available since 2006
- Three slightly different versions for:
 - General public (paid service)
 - Public administration (free of charge)
 - Authorising persons (e.g. notaries, contact points of public administrations, ...), we charge just for 1 page

Gradual development of number of clients of Remote Access in years 2001 - 2008



Copy of digital cadastral map via Remote Access procured with e-signature



Český úřad zeměměřický a katastrální - SCD	Okres Hlavní město Praha	Obec Praha	Stav k 27.02.2008, 11:30:46
Kat. území Hradčany	Mapový list č. PRAHA 7-1/12	Měřítko platné pro rám 198 x 277 mm 1:1000	Podpis Číslo
KOPIE KATASTRÁLNÍ MAPY			Razítko
Vyhotoval Vyhотовeno dálkovým přístupem		Dne 27.02.2008 12:12:03	

Viewing at Cadastre

- In-house developed service, which provides two main kinds of information:
 - Access to basic selected information about parcels, buildings, flats and the identification of the owner
 - Orientation map of parcels available (since 2007)
 - Simple switching between written and mapping data
 - Access to information, depicting how proceedings are processed at Cadastral Offices – status of specific proceeding, overview of all proceedings.
- Free of charge services, enormous interest of citizens, more than 1 mil. of enquiries per month

Orientation map of parcels with othophotos and centroids (Viewing at Cadastre)



1:1000

YK-744288 1042425

[informace z mapy](#)

ortofoto

def. body parcel

def. body budov



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- » [Seznam přijatých řízení](#)

Informace z KN

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- » [Budova](#)
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Mapa

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a katastrální
Pod sídlištěm 9
18211 Praha 8
e-mail: nahlizeni@cuzk.cz
www: www.cuzk.cz

Informace o parcele

Parcelní číslo:	4
Výměra [m ²]:	5005
Katastrální území:	Hradčany 727121
Číslo LV:	34
Typ parcely:	Parcela katastru nemovitostí
Mapový list:	DKM
Určení výměry:	Ze souřadnic v S-JTSK
Druh pozemku:	zastavěná plocha a nádvoří
Budova na parcele:	bez čp/če obč.vyb

[Zobrazení v mapě](#)

Vlastník, jiný oprávněný

Vlastnické právo

Jméno	Adresa	Podíl
Česká republika		

Právo hospodaření s majetkem státu

Jméno	Adresa	Podíl
SPRÁVA PRAŽSKÉHO HRADU	HRAD , Praha, 119 08	

Způsob ochrany nemovitosti

Název

Web services (first part)

- IS CRE has been providing web services, which deliver some outputs (e.g. Excerpt from Cadastre, overview of ownership, information on parcels, buildings, apartment units) in .PDF format since 2007
- These documents are available also in .XML format since May 2009
- It enables to incorporate cadastral information into information systems of users directly
- Implementation of Web services will continue after the centralization of IS CRE

Contact points of public administration „Czech POINTS“

- One-point-shops, established at some municipalities, notaries, Czech Post offices, Chamber of Commerce and embassies, where citizens can get
 - Excerpts from Cadastre, Business register, Criminal Record, Trade register
- Czech POINT uses web service of Czech Cadastre, some of them specially developed for this purpose
- Future function – one place for delivery of all applications to public administration, conversion of paper documents to digital form (from 1.7.2009) and vice versa
- 3611 Czech POINTs so far, intention to spread them to all 6249 municipalities
- Citizens exploited Czech POINTs for obtaining 1 653 194 public documents (till 31.5.2009), including 412 763 excerpts from Cadastre
- The share of Excerpts from Cadastre has been constantly about 25%

Certificate of non-registration in Cadastre

- Cadastre is obliged by law to issue electronic certificates that a person is not registered as an owner or has not some other rights to real estates
- Name, surname and PIN are needed
- In case that a person with identification data corresponding partially to the given identification is registered in Cadastre, this fact is stated in the certificate
- Service has been available since 1.1.2008

Evidence práv pro osobu

Údaje katastru nemovitostí

Platnost k: 16.09.2008 12:03:06

Zadané identifikační údaje

Příjmení:
Václav

Jméno:
Suchánek

RČ
451017080

Pro osobu s výše uvedenými identifikačními údaji nejsou v katastru nemovitostí evidována vlastnická, ani jiná věcná práva.

V katastru nemovitostí je evidováno vlastnické nebo jiné věcné právo pro následující oprávněné subjekty, které částečně odpovídají zadaným identifikačním údajům:

Oprávněný subjekt

Suchánek Vít Ing.

Pod Rapidem 422/2, Praha 10, Strašnice, 100 00 Praha 10

RČ/IČO

451017/080

Char.

2

Notice service

- For citizens – announcement will be sent (e-mail and / or SMS) in time of finishing the registration (only if citizen wants it and gives the addresses) – free of charge service – in operation since 1.1.2009
- For companies (banks and etc.) – Watch dog
 - Warning about received proposals for registration, concerning real estates to which a user has ownership or other factual rights (e.g. from mortgages)
 - Enables also to follow the progress of some proceedings (e.g. registration of mortgage)
 - The use of web services enables a direct exploitation in information systems of bank
 - Only pilot run in 2009, the full exploitation deserves some rectification of data

First steps towards e-Lodgement

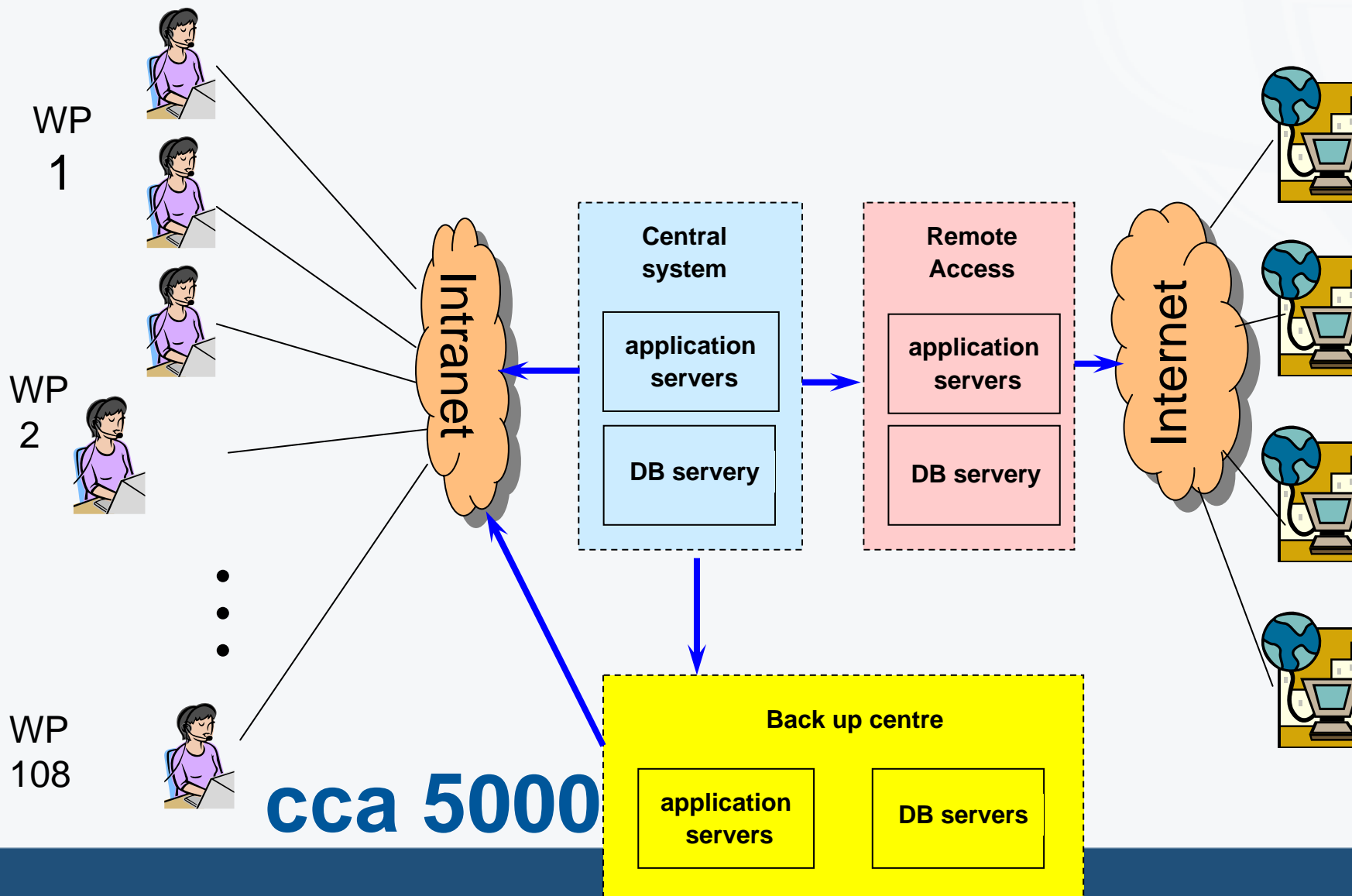
Semi-automatic registration

- E-Lodgement is our final goal, we are proceeding step by step
- Idea of semi-automatic registration
 - Information systems of professional clients will deliver to IS CRE:
 - Agreed document in .PDF format with e-Signature
 - XML file with the corresponding content
 - IS CRE will prepare registration of document automatically
 - Responsible cadastral officer will check the correctness and validate registration
- Semi-automatic registration prepared for registration of writs of execution from information system of distrainers
- A similar way has been discussed with Ministry of Justice and Chamber or Notaries for resolutions on inheritance

Consolidation and centralization of IC CRE

- Main reasons:
 - Easier implementation of new services
 - Easier collaboration with basic registers and other information systems
- C/S architecture will be replaced by three-tier architecture and data stored only in the Centre
- Development delayed by difficulties in tender for the new HW (overcome), now we are in the middle of the process, migration in June 2010

Architecture of centralised system



Basic Register of Territorial Identification, Addresses and Real Estates (RTIARE) I

- RTIARE – an important part of the system of basic registers, the other are: Inhabitants, Companies, Rights and Duties
- COSMC – both the creator and administrator of RTIARE
- RTIARE will provide reference data on:
 - Data on territorial elements (e.g. regions, districts, municipalities, ..., parcels, buildings)
 - Data on territorial units (e.g. Streets)
 - Addresses
- RTIARE will intermediate provision of data on ownerships of real estates (from IS CRE)

Basic Register of Territorial Identification, Addresses and Real Estates (RTIARE) II

- Basic registers shall contain only up-to-date data
- Basic registers may be updated by editing information systems only
- Editing systems for RTIARE:
 - IS CRE – must be adapted
 - IS of Territorial Identification (IS TI)
 - Will contain only these data of RTIARE, which IS CRE does not contain
 - a new system, must be created
 - will contain the history, too
- A close mutual co-operation of RTIARE, IS CRE and IS TI is a must

Basic Register of Territorial Identification, Addresses and Real Estates (RTIARE) III

- Development of Basic Registers will be co-financed from Structural Funds of EU, request has been just submitted
- Development shall finish on 30.6.2010
- Uploading of data, their rectification and pilot run till 30.6.2011
- Operational run since 1.7.2011
- A very challenging and demanding task!

**Thank you for your attention!
Questions?**

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