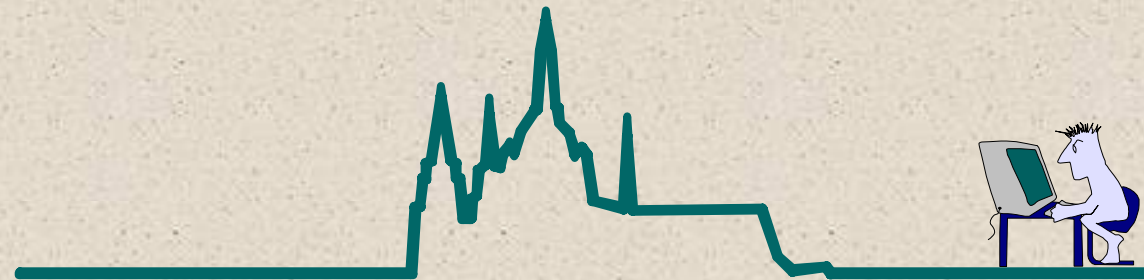


# IT Strategy of the City of PRAGUE



**Jaroslav Šolc**  
**IT Department of the Prague City Hall**

## Overview

- **Prague - general information**  
*(city profile, public administration)*
- **IT implementation**  
*(organisation, history, current state)*
- **IT Strategy**  
*(co-operation, services, administration)*
- **Project - example**  
*(document management)*

# Prague – the city profile

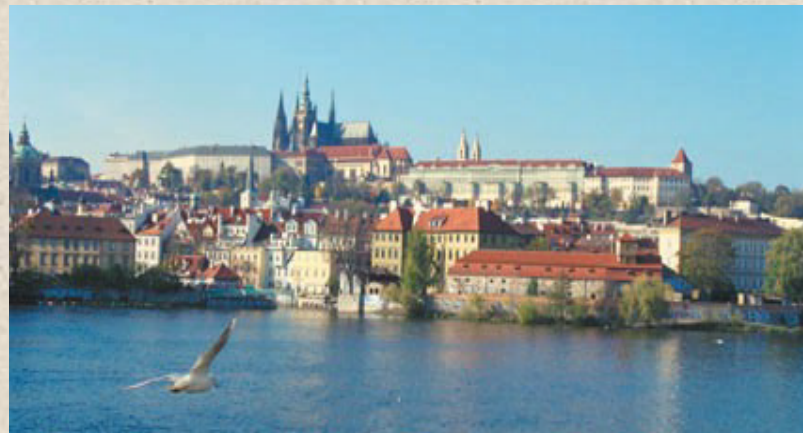
Situated in the heart of Europe, rich history, architecture, culture ...

Most dynamic and most productive region of the whole Czech republic

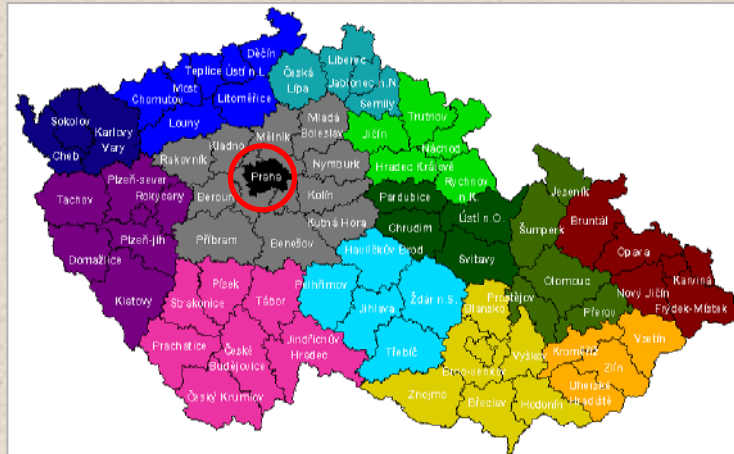
- Area 496 km<sup>2</sup>
- Population 1.16 mil.
- Density of population 2 334 inhab./km<sup>2</sup>
- Number of businesses 384 300
- GDP per capita 11 690 EUR
- Contrib. of Prague to the GDP 24%
- Unemployment rate 3.4%

**Source:**

*Czech Statistical Office  
Census 2001,  
Numeri Pragenses 2002*



# Public administration



## Prague roles:

- the Capital City of CR
- 1 of 14 regions  
*transformation, 2000*
- municipality  
*administration in 2 levels*
  - *central*
  - *57 municipal districts (22 of them special roles in state administration, since 2000)*
  - *elected bodies, executive bodies (authorities)*
  - *+ organizations*

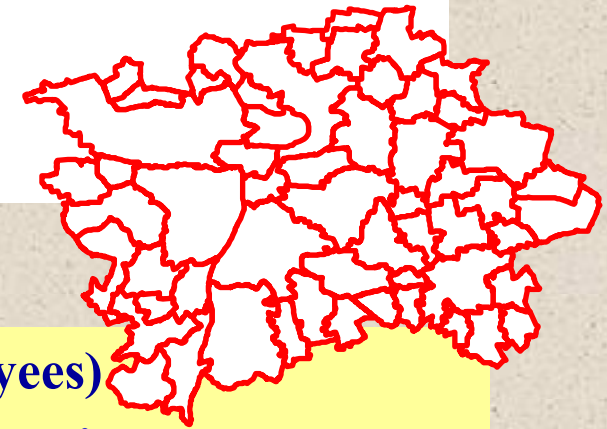
## Number of employees:

\* City: ca 40 000

\* Prague City Hall: ca 2 000

## Organization of the IT (1)

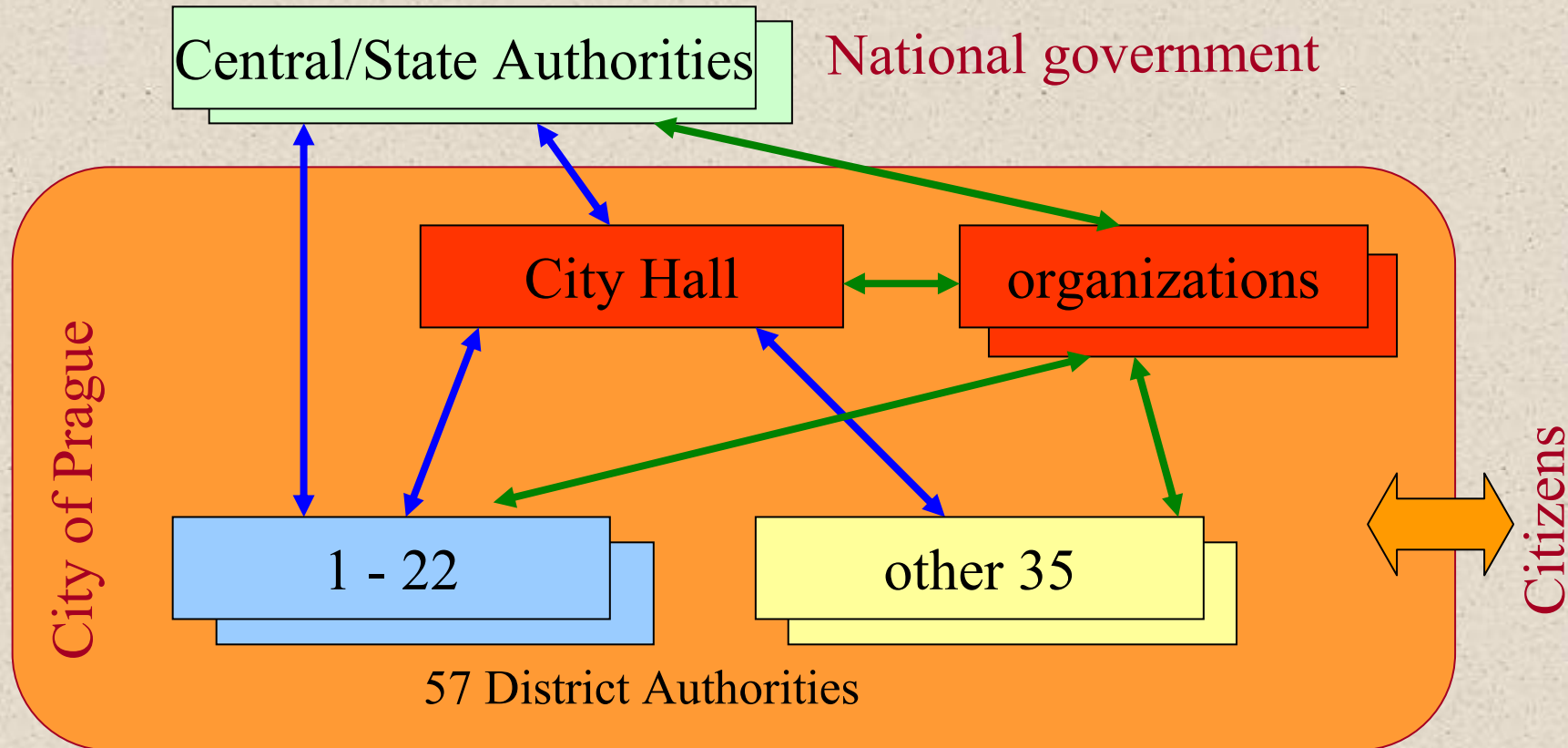
- IT departments or offices – City Hall and in 22 of 57 municipal districts
- All connected to MePNet (Metropolitan Prague Network) or ZRIS, e-mail, Internet
- Relative independence (managed by Statute of the City of Prague = municipal ordinance)
- Different IT solutions and development
- Basic data flows established (files)
- Methodical co-operation (KOI)



### Structure of IT Department – City Hall (60 employees)

- |                                |                              |
|--------------------------------|------------------------------|
| • Directorate + secretariat    | • Network services           |
| • <u>Strategic issues</u>      | • End-user technical support |
| • Data management and services | • Internet services          |
| • Special SW appl. maintenance | • Electronic signature       |

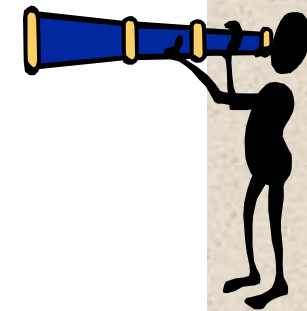
## Organization of the IT (2)



**Data flows:** **state administration** (citizens, econom. subjects, territorial ID, real estate register – plots)  
**municipal administration** (economic/budget data, municipal property, addresses, dig. maps, documents)

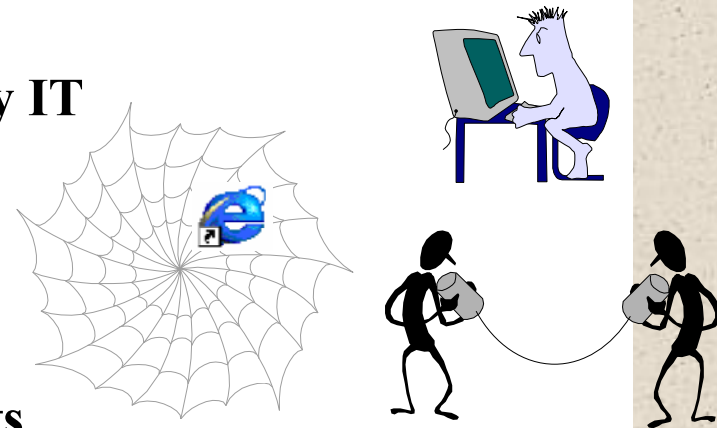
# History of IT implementation

- **1990-1994**
  - IT Department of City Hall set up, first PCs in offices, IT support of administrative processes, IT offices in other city authorities.
  - IMIP established, start of digital maps, register of addresses, environmental IS
- **1995-1999**
  - building of networks LAN + WAN
  - ZRIS, MePNet municipal networks projects (Pragonet)
  - services client/server, Informix DB, GIS
  - start of network services, e-mail, Internet, web
- **2000-2002**
  - reorganization of public administration (new legislation), reorganization of IT in the city (IMIP/MHMP)
  - new internet server (unification), Extranet, Intranet
  - IT strategic plan
  - start of international projects, TELECITIES membership
  - city IT projects



## Current state of IT

- All civil servants (admin.) use PC, access to e-mail, internet
- Municipal network MePNet (optical fibres), ZRIS, local networks
- Most of admin. processes supported by IT
- Increasing use of powerful databases (Oracle, Informix, MS SQL)
- GIS & spatial data
- Provision of information on websites
- Differences between municipal districts
- Data flows and sharing complicated (state administration), but work
- Common data, registers maintained, common projects.
- Certification\* – current topic (requirements by the Act on IS in public administration, Min. of IT of the CR)

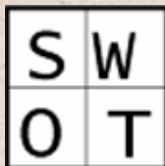
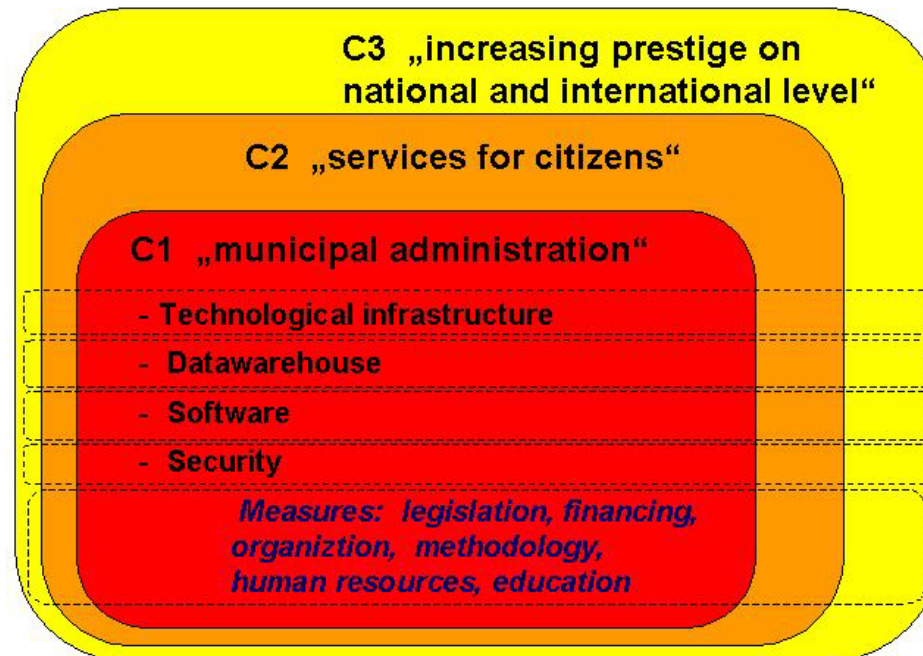


\* required: IT Strategy, IT Security policy



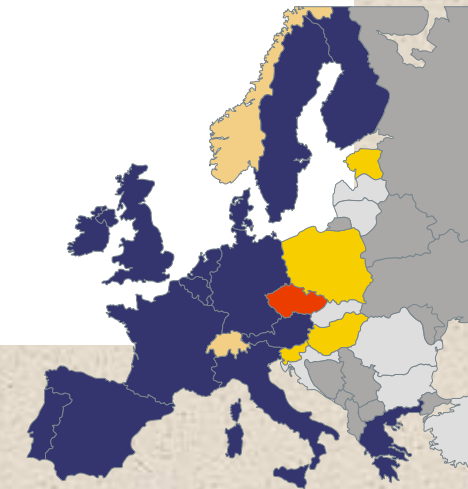
# IT Strategy

- June 2001
- meets objectives of general Strategic plan of the City of Prague (2000)
- harmonized with IT strategic documents on national level are respected (National information policy, Action plan, standards)
- update under preparation (plan for 2004, eGovernment, eEurope 2005)



## ad C3: Co-operation

- **INTERNATIONAL:** approved international policy, mayor, committee, Foreign Affairs Dep. of Prague City Hall (since 2000), office in Brussels (2002)
- Bilateral co-operation with many cities
- Member of organizations and networks e.g.
- **EU:** EUROCITIES (since 1993), POLIS, ACCESS (transportation), METREX (city development planning)
- **IT:** **Global Cities Dialogue initiative (2000)**  
**TELECITIES (since 2001, member of SC)**
- first experiences in EU projects (IST, 5FP)

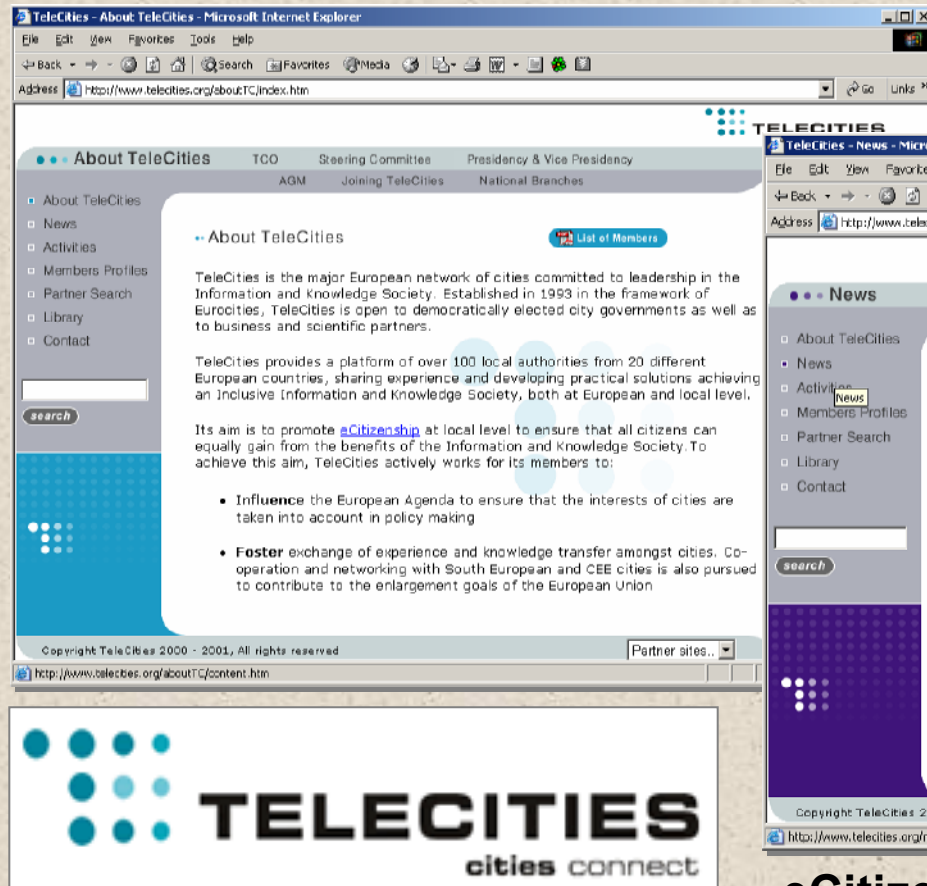


[www.telecities.org](http://www.telecities.org)



# ad C3: Co-operation, TeleCities

[www.telecities.org](http://www.telecities.org)  
network, ca 120 EU cities, info services,  
events, working groups

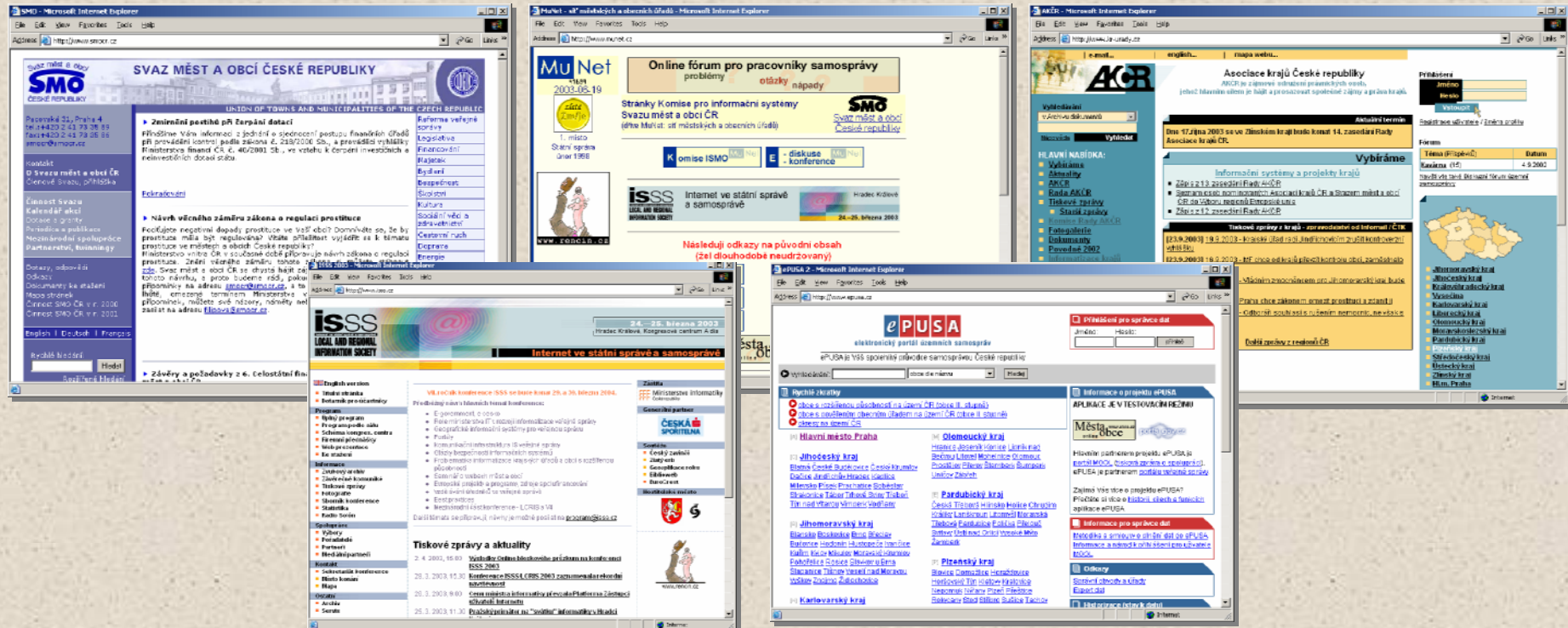


eCitizenship for All – survey, award (2003)

# ad C3: Co-operation, CR

## NATIONAL:

- Networking in CR (local and regional gov's, IT committees)
  - SMO CR, The Union of Towns and Municipalities ([www.smocr.cz](http://www.smocr.cz))
  - AK CR, Association of Regions ([www.kr-urady.cz](http://www.kr-urady.cz))
- Conferences: ISSS ([www.issc.cz](http://www.issc.cz)) , MIS/UDMS, IEP

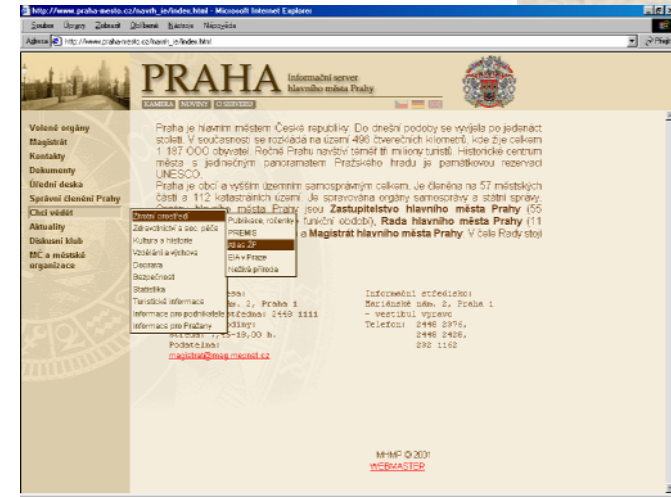


# ad C2: Services for Citizens

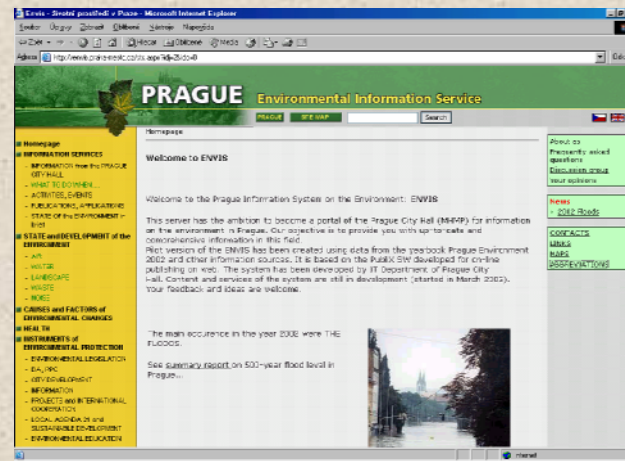
www.praha-mesto.cz



- intranet – extranet - internet
- providing information on website
- virtual office services (el. registry)
- active involvement of citizens, discussions
- services for visitors and business partners
- support of the users' approach
- .... e-procurement, e-learning, e-democracy ....

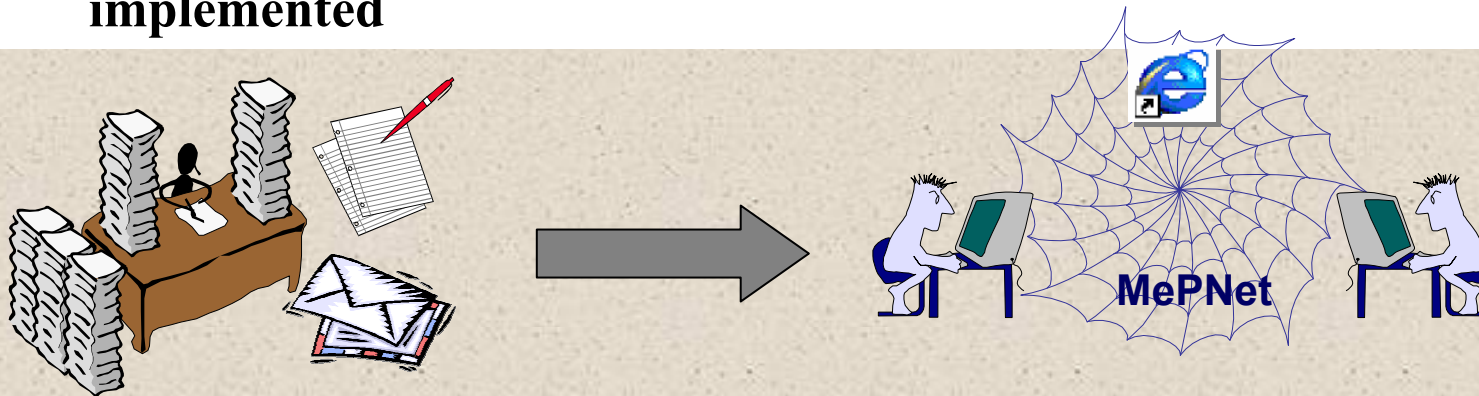


**Awarded (ISSS):**  
Golden Crest (2002),  
Eurocrest (2003)



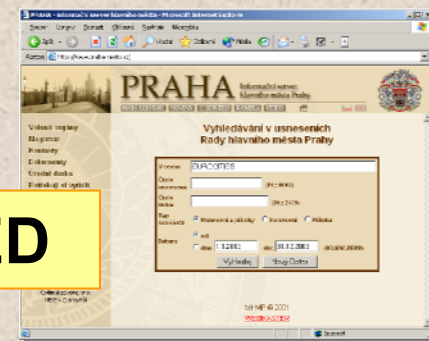
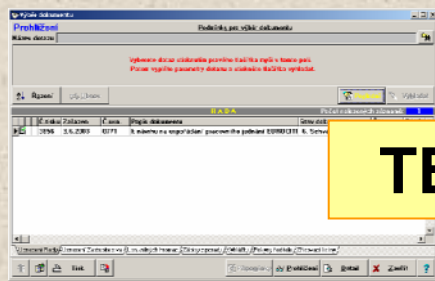
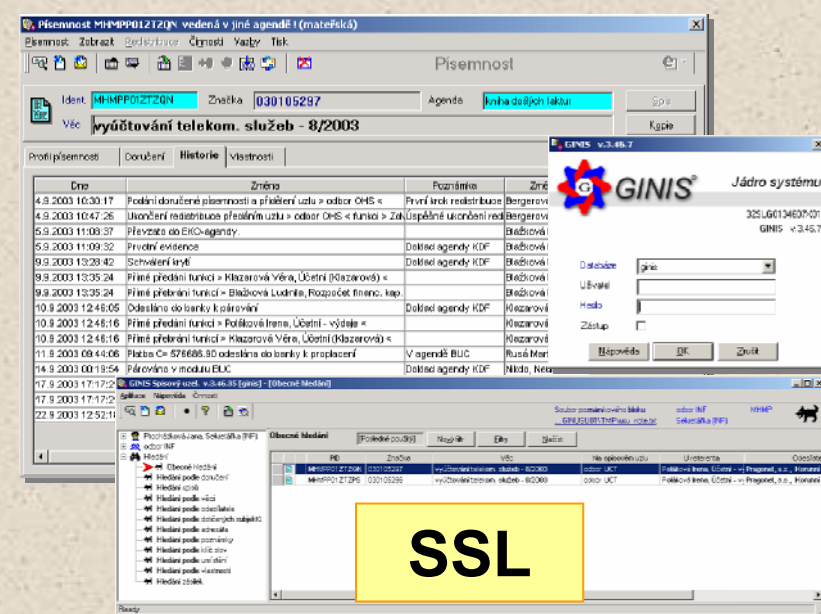
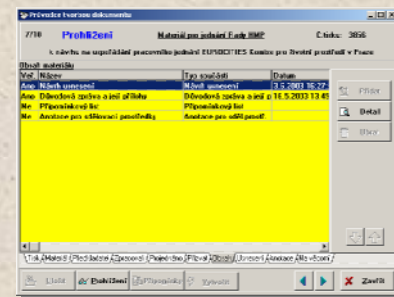
## ad C3: Municipal Administration

- ... organization, infrastructure ... Challenges: integration, data management (standards, flows, sharing ...)
- ... prerequisites for eGovernment
- **Example: DOCUMENT MANAGEMENT**
  - Documents = main data in administration
  - Objective: effective use of el. documents
  - Starting position:
    - + network, level of IT usage (MS Word, e-mail...)
    - heterogeneity (organization, technology), PKI not implemented



# Prague City Hall & documents

- Various tools for internal communication & management, e.g.
  - Documents for the City Council (TED)
  - Document workflow registration (SSL)
  - Registration of contracts (CES)
  - Outputs from various specific administrative tools
  - Desktop writing (MS Office)



City: more heterogenous situation ...

# Project SO 001: Document management

- In the year 2000 (reorganization, 22 districts „SO“) set of the City IT projects
- **Project SO 001: SSL+DMS, Document workflow registration and management system**

## Objective:

- **integrated methodology in the City for document registration and workflow + document management system (storage, description, relations, authorization)**
- **implementation of standards**
- **multilicence for integrated system**

**2001: analysis, tender**  
**2002: contract with EXPRIT,**  
**2003: pilot implementations**

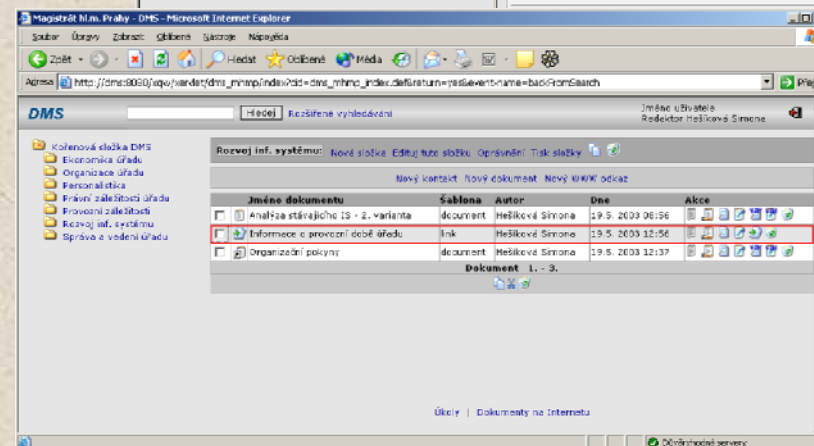
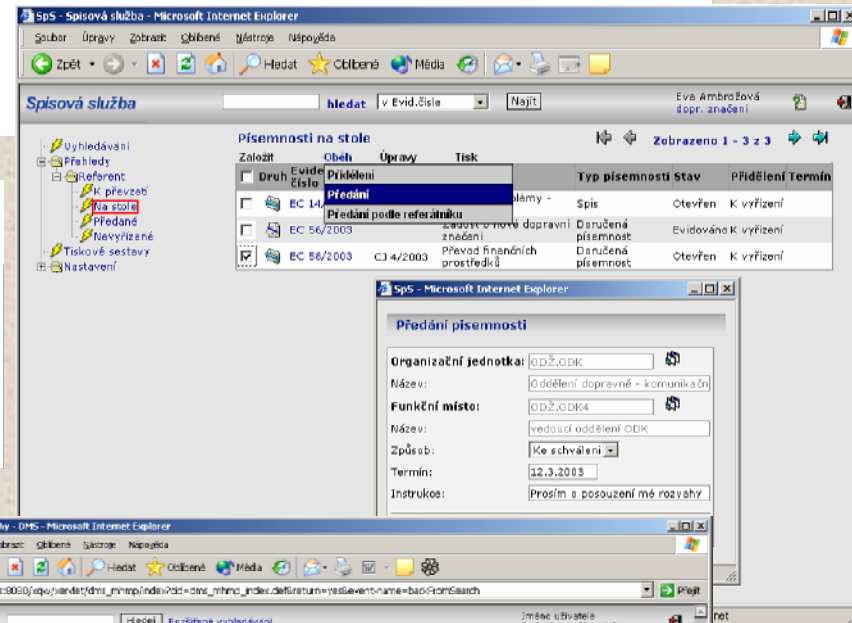
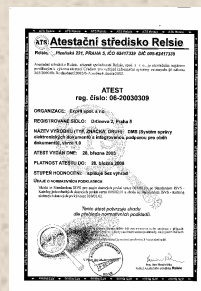
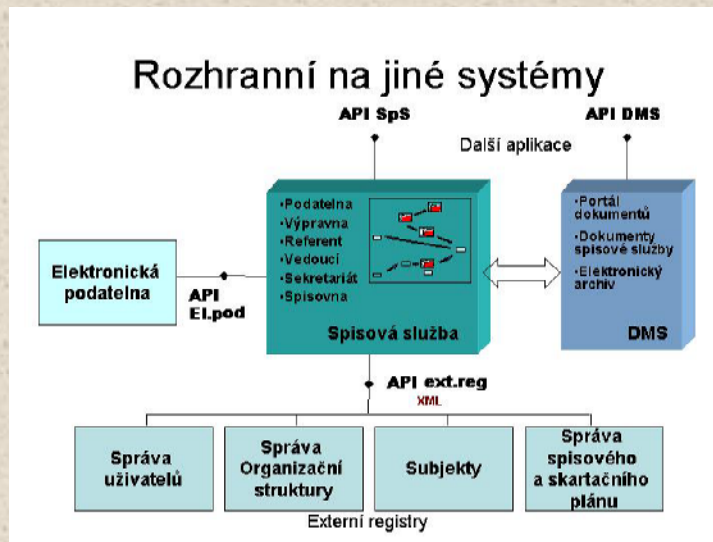
**Prague 3**  
**Prague 13**  
**Prague 9**  
**Prague 8\***  
**Municipal Library**  
**hosting**





# Project SO 001: Document management

- 3 layers architecture (DB/Oracle, MS SQL; APPL SVR; WWW)
- open standards (JAVA, XML)
- interface to other systems
- certification (PA: UVIS/MICR)



# End of presentation



**Thank you !**  
**Questions ?**

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