The Impact of Spatial Information Services in Europe

Gerhard Muggenhuber
BEV Internat. Relations, Austria,
geomugg@gmx.at

Ivan Aleksic
RGZ - Director, & TU-Belgrade Serbia,
aleksic@grf.bg.ac.yu

Suleiman Dabbas
World Bank Project Manager, Serbia,
sdabasi@hotmail.com

www.bev.gv.at
www.rgz.co.yu

Balanced management approach

Strategy
Vision
Mission
Implementation Plan

Operative Targets
Balanced management approach

How to improve the service of LA?
Organizational streamlining

1. Digitizing data
   Linking with historic records
   Link with actual situation in the field?

2. Improving processes
   Improves reliability
   Just computerized or redesigned?

3. Improved services
   through technology / cooperation

4. Optimizing use of resources
   New cut / new business opportunities

Integration of data → Integrated services

Fiscal → Legal → Geo

(Cadastral Domain Model / business process model)

Integration of data → Integrated services

Modelling the reality
Homogenization - Harmonization Reference Frame

2d → 3d
Geometric, Topologic or Legal challenge?

Geometric
Precise measurement

Topologic
Neighborhood

GNSS
Coordinated by
UN-Office for Outer Space
Improving the Sustainability of the Hungarian Land Registration System

Gerhard MUGGENHUBER, Ivan ALEKSIC, Suleiman DABBAS

FIG-WW - GSDI8: TS 42.3: Impact of SI from LA in Europe

Integration of LA-Services contributing to...

- Financial Service
- Environment (+EU-INSPIRE)
- Agro-Subsidies (LA in EU-AC5)
- Spatial Info Mgmt (digitize, geo-, Addresses)
- Land Use Plan / Land MGMT (codes e.g. aces)

Who pays for the LA-Service?

1. The taxpayers pay
   - World Bank Loans, EU-subsidies, EU-INSPIRE?
2. The customer (users) pay
   - selling of data: SWE= 5% HU = 70%
   - Registration fee SWE=70% HU=0%
   - Free access for gov. Agencies = DK, CZ

2. Refunding through partnership

How to deal with challenges?

They become threats if not turned into opportunities

- Insisting in inherited approaches
- Focus only on Technical topics
- Look only inside LA
- Top-down approach
- Organization-driven improvements
- Focusing competition

Opportunities

- See the opportunities in new development (EU, PSI, SUNSPRI)
- balanced approach (legal / org. / financial / customers)
- Understand role / interact with other stakeholders within land management
- capacities of staff (allbranch offices)
- customers' interest for simple and safe procedures
- Cooperation / creating win-win situations - share workload / benefit

Organizational setting on Land Administration

LA has to serves business

Parameters of worldwide benchmark: "Doing business 2005"

1. Starting a business
2. Managing human resources
3. Registering property
4. Enforcing contracts
5. Getting credit
6. Protecting investors
LA has to serve business

Parameters of worldwide benchmark: "Doing business 2005"

1. Starting a business
2. Managing human resources
3. Registering property
4. Enforcing contracts
5. Getting credit
6. Protecting investors

Services related to LA

Register a property

Source: World Bank 2005

Registration Costs

UN FIG-Marrakech declaration 2004:
Land Administration serves the society
The urban-rural fringe in a changing society

We are facing an increasing urban society!

Real Estate prices:
- Rural: low
- Urban: high - increasing
- Semi-urban: dramatic increase

Booming Mortgage Market

Holistic approach required
to contribute to an efficient land and mortgage markets

Master’s Thesis of Majlica R. (2004): Improvement of the System of Land Registration in Croatia: Towards One-Stop-Shop Solutions:

CHANGING ENVIRONMENT
- E-Gov.
- Integrated Services
- Efficiency through partnership

LA BUSINESS APPROACH
- Holistic approach


Shaping the change
Technology driven → customer-oriented business

Current Situation
- Complex Administration
- Single, Isolated Legal Basis
- Outward-Facing Culture

Transaction
- Create Interoperability
- Single, Cohesive Legal Basis
- Balanced Corporate Plan

Target Situation
- Integrated and Coordinated Solution
- Integrated Information Sharing
- Integral part of Sustainable Business / Financial Model

Impact of SI from LA in Europe

FIG-WW - GSDI8: TS 42.3: Impact of SI from LA in Europe

LA - BUSINESS
- Governance
- Information as Asset
- Motivated Staff
- Balanced Corporate Plan
- Effective Support of IS/IT Management

LA - BUSINESS
- Technical/IT
- Information Sharing, Effective Support of IS/IT Management
- Motivated Staff
- Balanced Corporate Plan
- Effective Support of IS/IT Management
LA as part of integrated services - just in the middle of a hype

Holistic approach* required for efficient contribution to the market:
(land-, real estate-, mortgage markets)
in particular interdisciplinary cooperation at:

**National Level**...
Banks, Real Estate Business, Land Use Planners...

**European Level**...
The European Mortgage Federation www.hypo.org ...

**International Level**...
International Federation of Housing and Planning,
International Society of City and Regional Planners, www.isocarp.org
UN-Habitat Professionals Forum ...

*Majčic’s Master’s Thesis: Improvement of the System of Land Registration in Croatia

---

Thank you!