

Urban-Rural Interrelationship for Sustainable Environment
Marrakech, Morocco, 2-5 December 2003

Towards a Spatial Data Infrastructure in Croatia

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December 2, 2003 Technical Session TS 2 - SDI Policy

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Introduction

- Spatial data infrastructures (SDI) exist for quite a long time (from the moment when the first spatial data were collected and presented in maps and plans)
- Development of spatial data collecting and of ICT
- President Clinton's Executive Order 12906 from 1994
- The establishment of national spatial data infrastructures (NSDI) in Croatia has been a vision of people who deal with spatial data for a long time...
- Developed countries in the world have already advanced very much in this regard, whereas in transition countries, it is still in the beginnings

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SDI in Croatia

Establishment initiatives

Who is involved in SDI?

- Users
- Academic community
- Public and private sector
- Nongovernmental organizations and associations
- State Office for Standardization and Metrology
- Hydrographic Institute of the Republic of Croatia
- State Geodetic Administration
- Government
- The Ministry of Environmental Protection and Physical Planning
- ...

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SDI in Croatia

Establishment initiatives

State Geodetic Administration




www.dgu.hr

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SDI in Croatia

Establishment initiatives

Hydrographic Institute of the Republic of Croatia



www.hhi.hr

The Cadastre of the City of Zagreb



www.zagreb.hr

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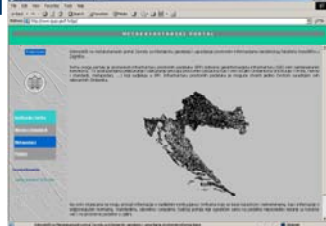
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SDI in Croatia

Establishment initiatives

Faculty of Geodesy



www.igupi.geof.hr/ipp

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SDI in Croatia

Establishment initiatives

Standardization

- Establishment of TC211 in The State Office for Standardization and Metrology in January 2003
- Main goal of TC211 is adoption of relevant European and international standards in the field of geoinformation
- Currently TC211 works on adoption of ISO19115 Metadata



www.iqipi.geof.hr/to211

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Sustainable development, Planning and SDI

The Physical planning in Croatia is regulated by **The Physical planning law** from 1994

- It defined the structure of the documents of physical condition monitoring, and the physical planning documents
- Physical planning is probably the biggest individual user of different spatial data sets



Segment of the Master plan (GUP) of the City of Zagreb

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Sustainable development, Planning and SDI

The usage of Spatial Data Infrastructure in Planning

Base maps in planning in Croatia and their conditions

base map	condition (years)	covered surface (%)	in digital format (%)
topographic map 1:100,000	1980-1984	100 %	100 %
topographic map 1:25,000	1971-1990	100 %	100 %
new topographic map 1:25,000	1996-2003	cca. 10 %	100 %
croatian base map 1:5,000	1954-2003	cca. 90 %	< 10 %
digital orthophoto	2000-2003	cca. 7 %	100%
cadastral maps	1820-	100 %	cca. 20 %

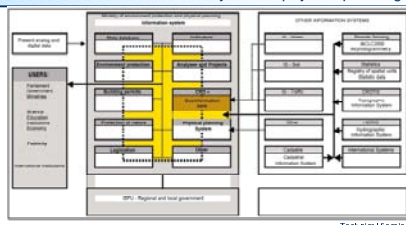
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Sustainable development, Planning and SDI

- Producing of Physical planning documents in digital form
- Public access to plan data via Web
- Establishment of The Information system of physical planning



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Conclusions

The efficient spatial data management is possible only through the development of the SDI !!!

Further Development of the SDI in Croatia

- Establishment of updated topographic maps and digital database
- Preparation of a land parcel information maps system
- Experience and teaching from developed countries
- Implementation of European and international standards
- Setting up of a strong coordinate body for the national SDI

SDI in Physical planning

- Physical plans – a part of SDI
- Establishment of The Information system of physical planning will support sustainable development in urban and rural areas

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Thank you for your attention!