

# Implementing rules for network services

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3<sup>rd</sup> Croatian NSDI and INSPIRE Day, Split, September 14, 2011

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# Two prallel processes relevant for the NSDI



- Development of the geoinformation community
  - Public sector + private sector
  - Goal: make spatial data available
- Adopting and testing principles and standards coming out of INSPIRE Directive as a component of the Croatian EU accession process
- Synchronized activities
  - Law on State Survey and the Real Property Cadastre (LSSRPC)
  - Implementing rules for NSDI implementation
  - Transposition of INSPIRE into Croatian legislation

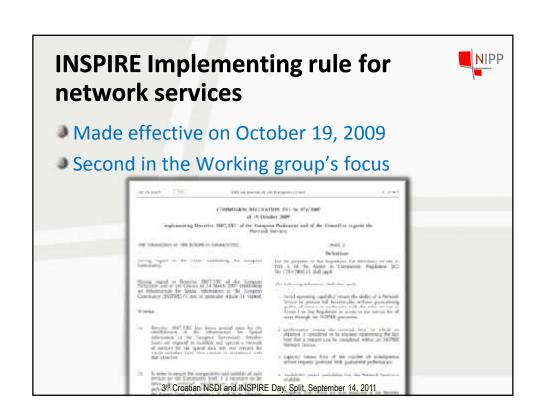
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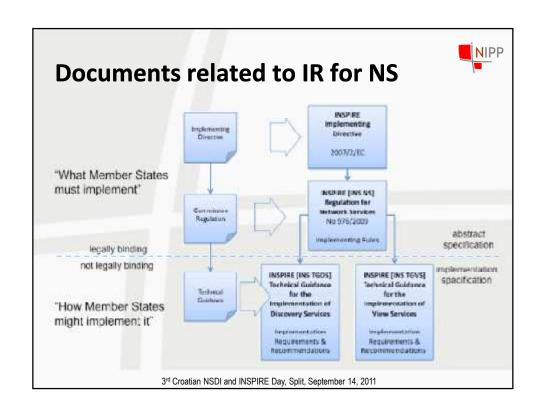
# **NSDI** Working group for technical standards



- One of the first two NSDI working groups
- Reviewing and recommending standards necessary for building the NSDI
- Standards based on implementing rules of the INSPIRE Directive
  - ... and on the Law on State Survey and the Real Property Cadastre



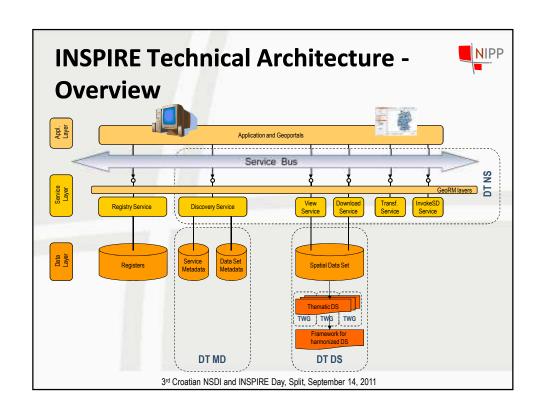


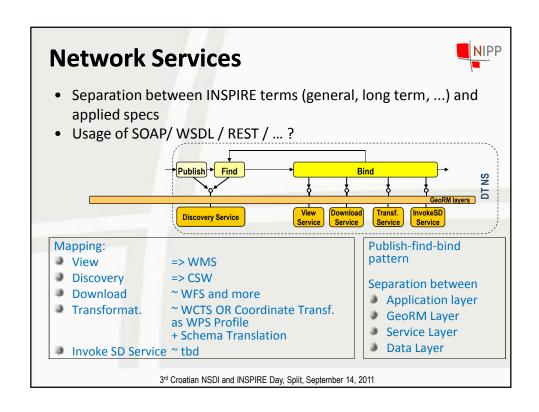


# **INSPIRE Network Services Architecture**



- Follows Services Oriented Architecture principles
- Provides the Architecture within which all INSPIRE Services will be implemented i.e. the context for INSPIRE Network Services Implementing Rules





# Recommended Implementing rule on the network services



- Revision of the translated implementing rule document
- Adjustment with Croation legislative framework
- NSDI Committee proceeds the recommendation ti the NSDI Council

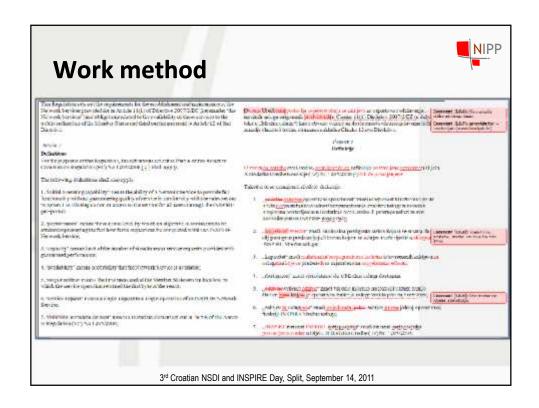
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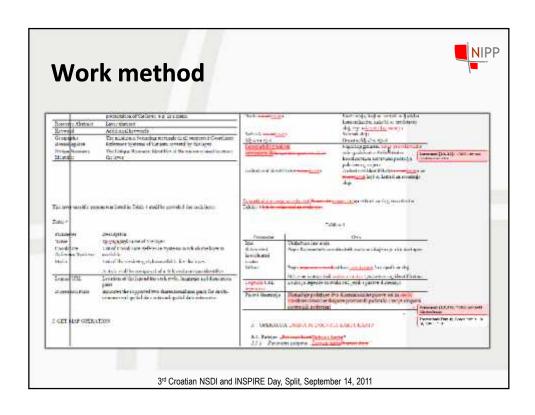
# Challenges Non-homogenous translations Documents consistency Understanding the original Referencing the Croatian LSSRPC instead the INSPIRE Network Services implementing rule NSPIRE Directive 3rd Croatian NSDI and INSPIRE Day, Split, September 14, 2011

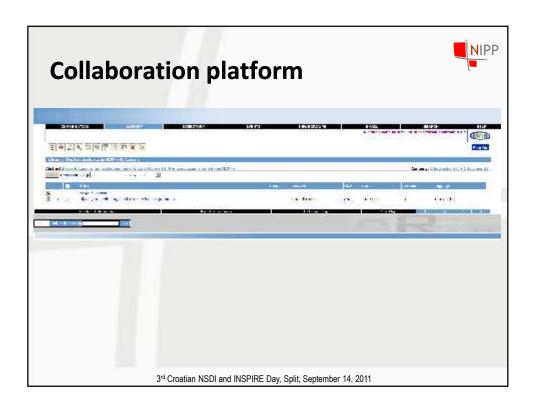
# **Challenges**



- Improvements needed in the translation of the INSPIRE Directive
- Parts of the INSPIRE Directive incorporated in the Implementing Rule
- Glossary of the INSPIRE terms
  - With other WG's







# Result Final proposed document sent to the NSDI Committee

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# Law on State Survey and the Real Property Cadastre (2007)



(Article 84) The National Spatial Data Infrastructure is a set of measures, norms, specifications and services within the framework of establishing e-government aimed at enabling effective gathering, managing, exchange and usage of georeferenced spatial data specified by this Law.

# Law on State Survey and the Real Property Cadastre (2007)



- (Article 85) National Spatial Data Infrastructure encompasses the establishment of the following:
  - a metadata system
  - spatial data sets
  - spatial data services
  - networking services and technologyAs well as the following :
  - agreements concerning spatial data exchange, access and usage
  - coordination and monitoring mechanisms
  - processes and procedures.

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### LSSRPC (2007): Article 88



Spatial data sets and services encompassed by NSDI are established in such a way that they are harmonized with each other and respect the adopted specifications and protocols for spatial data exchange.

# LSSRPC (2007): Article 89



- Spatial data services of the NSDI subjects have to be interconnected on an IT network and in a simple and widely accessible way enable the following:
  - searching spatial data sets and services
  - a visual service enabling the display of spatial data sets and services, navigation, increasing or decreasing and overlapping of the spatial data sets, display of legend data and the contents of the relevant metadata
  - the service of copying whole or partial publicly accessible spatial data sets
  - the service of calling up other spatial data services
  - the services of transforming spatial data sets.

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### LSSRPC (2007): Article 89 contd.



- Searching spatial data sets and services has to be possible according to the following criteria or combinations thereof:
  - key words
  - classification of spatial data sets and services
  - quality and precision of spatial data
  - the level of conformity with the standards and specifications from Article 88 of this Law
  - spatial location
  - conditions for access and usage of spatial data sets and services
  - NSDI subjects responsible for the establishment, management, maintenance and distribution of spatial data sets and services.

## **LSSRPC (2007): Article 90**



- Spatial data sets and services encompassed by NSDI are subject to exchange among the NSDI subjects.
- Criteria and norms for data exchange from para. 1 of this Article are passed by the Government of the Republic of Croatia upon recommendation from the NSDI Council.
- The criteria and the norms from para. 2 of this Article enable the exchange, access and usage of spatial data set's and services in an efficient and direct manner, with the costs being covered according to special regulations.

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### LSSRPC (2007): Article 91



- The criteria and norms from Article 90, para. 2 of this Law are based on the following rules for the establishment of spatial data sets and services:
  - the application of the geodetic referential system of the Republic of Croatia
  - harmonized system of spatial data identifiers
  - harmonized system of relationships among spatial data
  - unique nomenclature for the basic groups of spatial data
  - harmonized method of exchanging modified or renewed spatial data
  - harmonized information regarding the same location or the same spatial data in different scales.

# Current and future work of the Working group for technical standards



- Defining the specific needs
  - National metadata profile
  - Maintenance of the list of SRS's
- Taking part in activities aimed at transposition of the **INSPIRE** Directive into Croatian legislation
- Adoption and recommendation of the data set specification for INSPIRE Annex I (and II and III) themes
- Testing IR
- Collecting and sharing knowledge

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# Vision of the improved work conditions and results



- Improved cooperation with other NSDI working groups
- Improved cooperation with INSPIRE drafting teams
- NSDI collaboration platform and Web site ✓
- Cooperation with institutions and private companies on specification testing



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### **Thank You For Your Attention!**

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