



# SDI in Croatia; Shifting from NSDI 1.0 to NSDI 2.0

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- Foundation
- Implementation
- Next steps...



# 2007 - Law on State Survey and Real Estate Cadastre – *the first regulation of NSDI in Croatia*

2006 – “Croatia: National Spatial Data Infrastructure and Inspire”; Geolink Consulting, UK

2005 – “Study on Development of National Spatial Data Infrastructure in Croatia”; Con Terra, Germany

2001 - the European Commission launched the Infrastructure for Spatial Information in Europe (INSPIRE)

2001 – “Review of EU requirements for Geographic Information Infrastructure in Croatia”; Bloominfo, Denmark

# NSDI 1.0



# Foundation

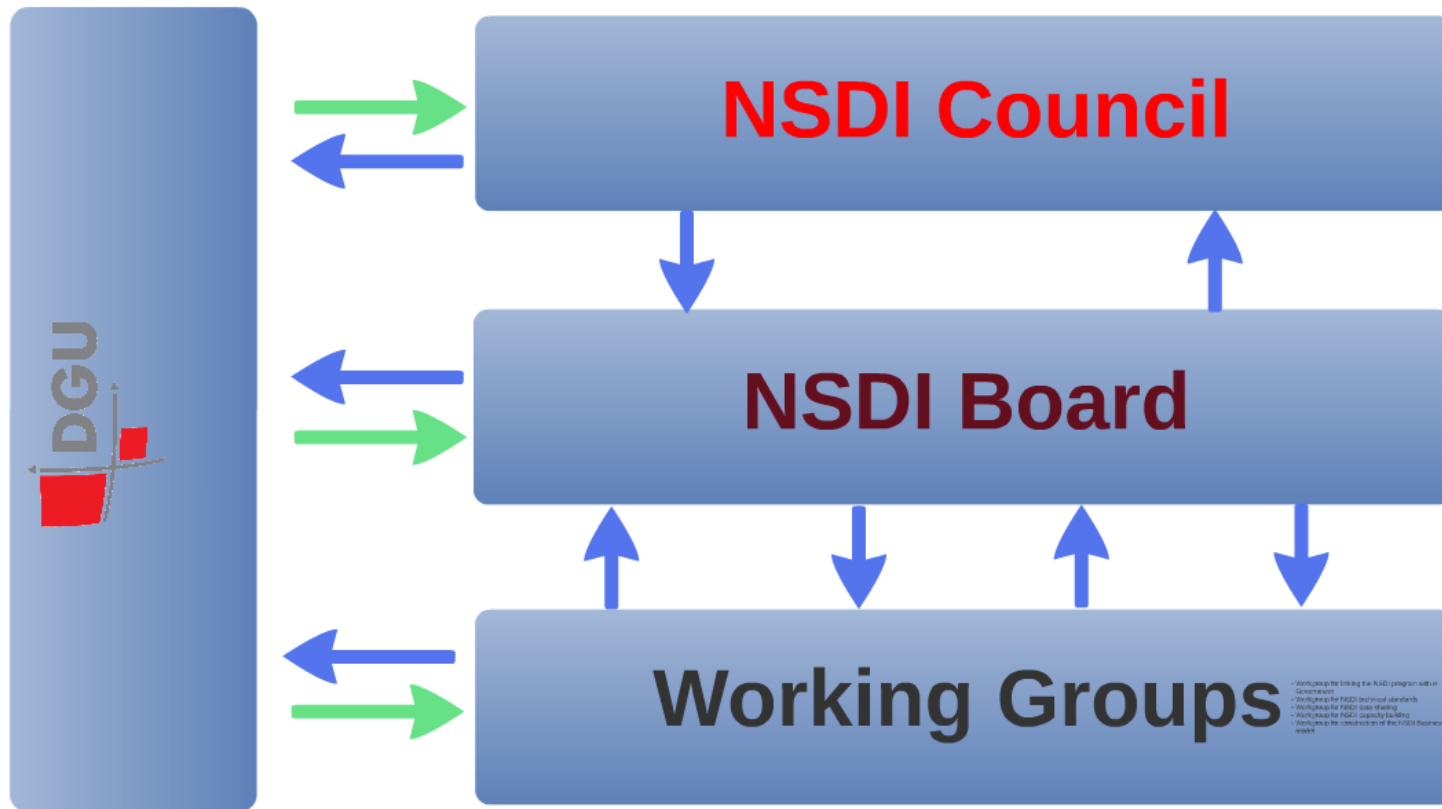
The screenshot shows the homepage of the National Infrastructure of Spatial Data (NIPP) website. The header includes the NIPP logo and the text 'NACIONALNA INFRASTRUKTURA PROSTORNIH PODATAKA'. The main content area features a news article titled 'Nacionalna infrastruktura prostornih podataka (NIPP)' with a sub-heading 'SDI DAYS'. The page also includes a sidebar with a calendar, a search bar, and various navigation links. The footer contains logos for partner organizations like Geospatial World Forum and DGU.



# SDI 1.0

- Official recognition of SDI
- Act, a decree or official charter.
- Emphasis is on data sharing and metadata,
- Focus on national, small scale information and the needs of national agencies.
- Selected groups of primary stakeholders are required to participate.

*SDI 3.0 – Transforming Government*  
*Mark Sorensen, Joseph Abdo, Unni Krishnan*



- Workgroup for linking the NSDI program with e-Government
- Workgroup for NSDI technical standards
- Workgroup for NSDI data sharing
- Workgroup for NSDI capacity building
- Workgroup for construction of the NSDI Business model

# NSDI 1.0



# Foundation

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## NASLOVNA

[NIPP](#)
[TIJELA NIPP-a](#)
[SUBJEKTI NIPP-a](#)
[INSPIRE](#)
[DOKUMENTI](#)
[SKUPOVI](#)
[POJMOVNIK](#)
[AKRONIMI I KRATICE](#)
[NOVOSTI I DOGAĐANJA](#)
[POVEZNICE](#)

## Nacionalna infrastruktura prostornih podataka (NIPP)

Već s dolaskom na svijet počinjemo graditi svoju percepciju o prostoru i vremenu koji nas okružuje. Prostorna inteligencija je jedna od inteligencija koja se razvija kod ljudi kao mogućnost prostornog pamćenja i vizualizacije prostora te rasuđivanje o prostornim odnosima. Često nismo svjesni da rješavamo prostorne probleme i da koristimo prostorno rasuđivanje kao sposobnost da bi se orijentirali u okruženju u kojem se nalazimo prilikom svakodnevnih aktivnosti. Međutim, kada ne bi imali sposobnost prostornog rasuđivanja bili bi izgubljeni u prostoru.

Da bi sa subjektivnog prostornog rasuđivanja prešli na kolektivno i da bi se gospodarstvo i industrije mogle efikasnije razvijati provodi se standardizacija prostornih podataka, usluga, procesa i drugih odnosa vezanih za prostorne podatke kao jedan od važnih smjerova razvoja. Masovnom primjenom prijenosnih preglednika prostornih podataka i globalnih navigacijskih sustava prostorna pismenost je postala nužnost u svakodnevnom životu. INSPIRE i nacionalne infrastrukture prostornih podataka (NIPP) su inicijative kojima se želi korištenje prostornih podataka podići na viši nivo i omogućiti efikasnije gospodarenje i zaštita okoliša te omogućiti brži razvoj gospodarstva.

Ova stranica namijenjena je subjektima NIPP-a, korisnicima prostornih podataka te ostalim građanima koji žele biti informirani o uspostavi NIPP-a u Hrvatskoj kako bi svi zajedno doprinijeli razvoju geosposobljenog društva.



## Novosti i događanja

11.5.2012

### Predstavljen ZG GeoPortal



10. 5. je u prostorima Gradske uprave na konferenciji za novinare predstavljen ZG geoportal. Geoportal su predstavili nositelji projekta: Grad Zagreb, Gradski ured za strategijsko planiranje i razvoj Grada i APIS IT.

## Kalendar

◀ Lipanj 2012 ▶

pon uto sri čet pet sub ned

28	29	30	31	1	2	3
4	5	6	7	8	9	10
11	12	13	14	15	16	17
18	19	20	21	22	23	24
25	26	27	28	29	30	1
2	3	4	5	6	7	8




 Autorizirani korisnici 

## Tražite li prostorne podatke?



# 2013 - Act on National Spatial Data Infrastructure

2012 - Implementing Rules for Network Services in function of National Spatial Data Infrastructure

2011 - Specification of National Spatial Data Infrastructure metadata profile

2010 - Implementing Rules for Metadata in function of National Spatial Data Infrastructure

2009 - INSPIRE directive was included in the National Program for Accession European Union

# NSDI 2.0

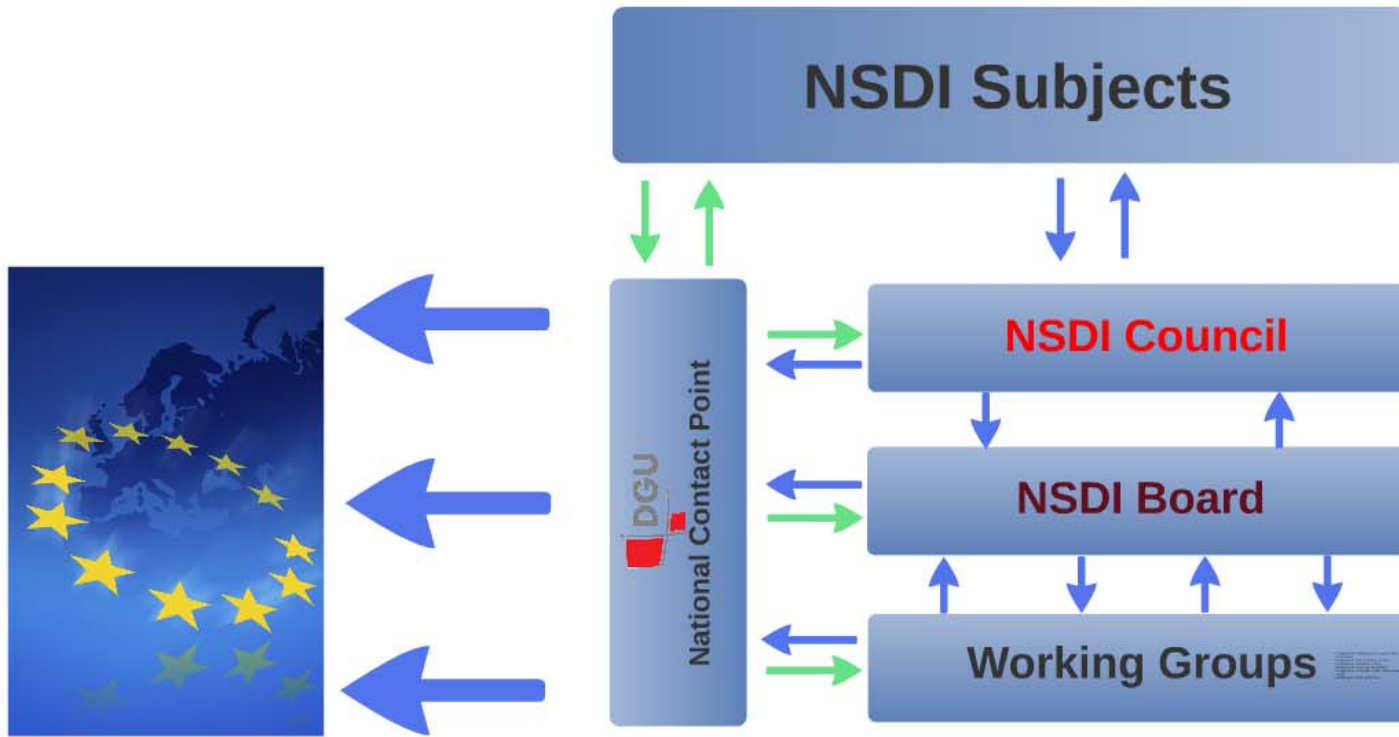
## Implementation



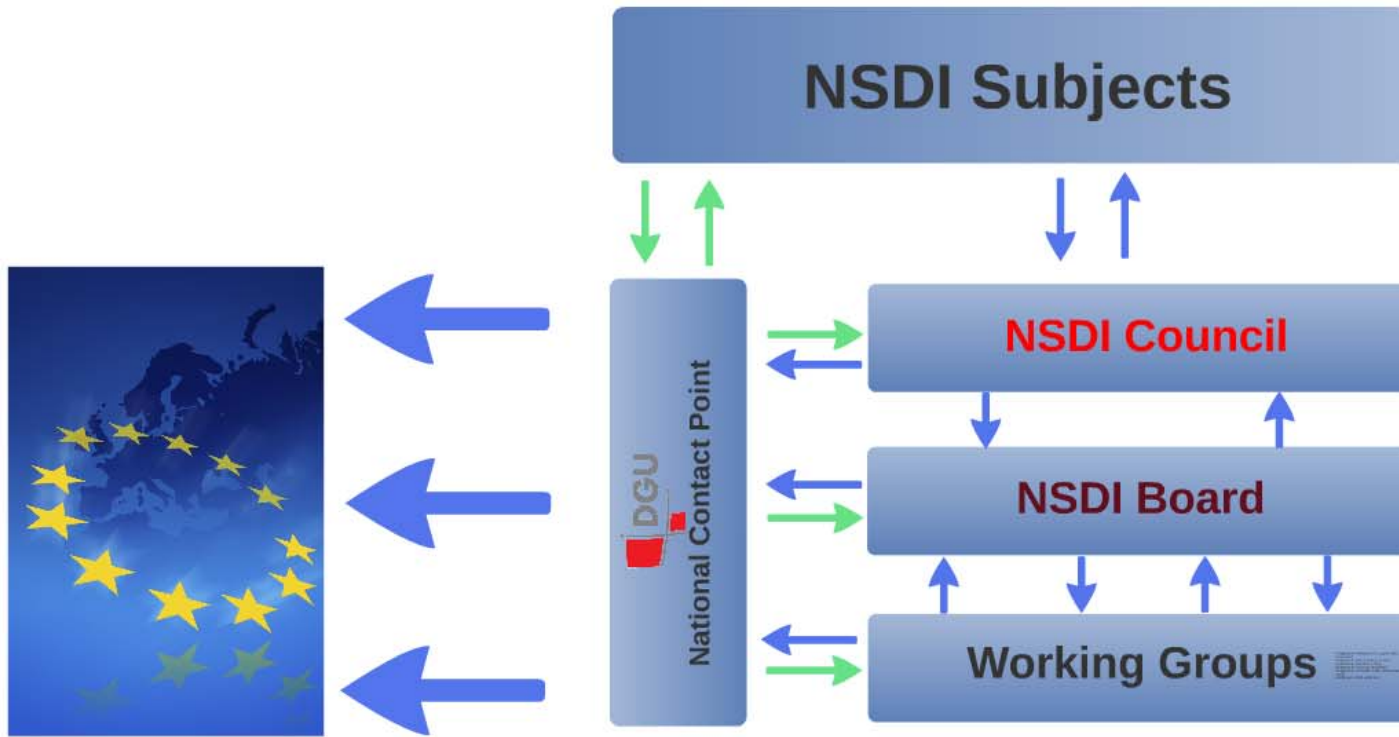
# SDI 2.0

- Enterprise GIS at the entity level is optimized (in all the key stakeholder organizations and additional emphasis is placed on the provision of application services within the community).
- Data licensing governing the dissemination and use restrictions on all data topics is in place.
- The breadth of the stakeholder community is widened to include users who are not primary data providers, and there is often more official engagement with government stakeholders beyond federal agencies and including institutional, private and civil society sector actors.
- Working groups continue to be formulated as needed to address particular subjects as they

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- Workgroup for NSDI spatial data



# NSDI Nucleus is becoming bigger

Subjects become deeply involved in NSDI Establishment!

Registry of NSDI subjects (06.15.2015.)

- 25 subject
- continuous activity

Registry of NSDI data sources (06/05/2015)

- 106 reported sources of spatial data



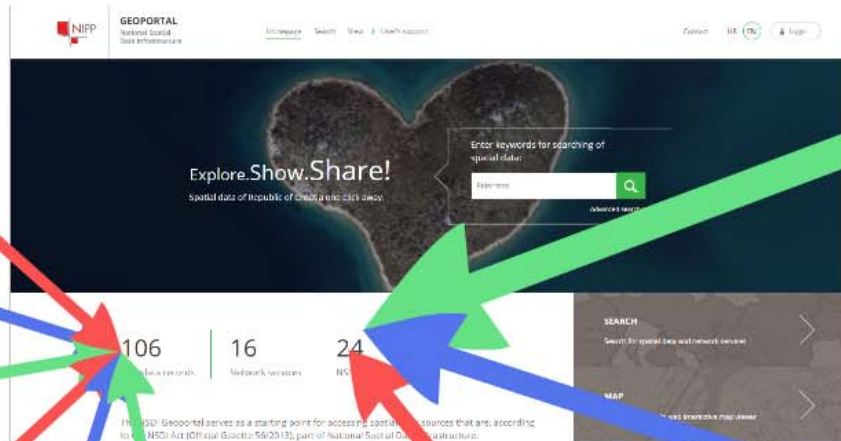
# NSDI Geoportal Established

The screenshot shows the NSDI Geoportal interface. At the top left is the NIPP logo and the text 'GEOPORTAL National Spatial Data Infrastructure'. Navigation links include 'Homepage', 'Search', 'View', and 'User's support'. On the right, there are links for 'Contact', 'HR', 'EN', and a 'Login' button. The main banner features a satellite map of a coastline with the text 'Explore.Show.Share!' and 'Spatial data of Republic of Croatia one click away.' Below this is a search bar with the placeholder 'Enter keywords for searching of spatial data:' and a search button. A red circle is annotated on the left side of the search bar. Below the banner, there are three statistics: '106 data records', '16 Network services', and '24 NSDI...'. A red arrow points to the '106' and a green arrow points to the '16'. Below these statistics is a paragraph of text: 'The NSDI Geoportal serves as a starting point for accessing spatial data sources that are, according to the NSDI Act (Official Gazette 56/2013), part of National Spatial Data Infrastructure.' A red arrow points to this paragraph. On the right side, there are two menu items: 'SEARCH' with the description 'Search for spatial data and network services' and 'MAP' with the description 'Web interactive map viewer'. A green arrow points to the 'SEARCH' menu item, and a blue arrow points to the 'MAP' menu item. A large blue arrow points from the bottom right towards the center of the page. A large black letter 'P' is visible on the far right edge.

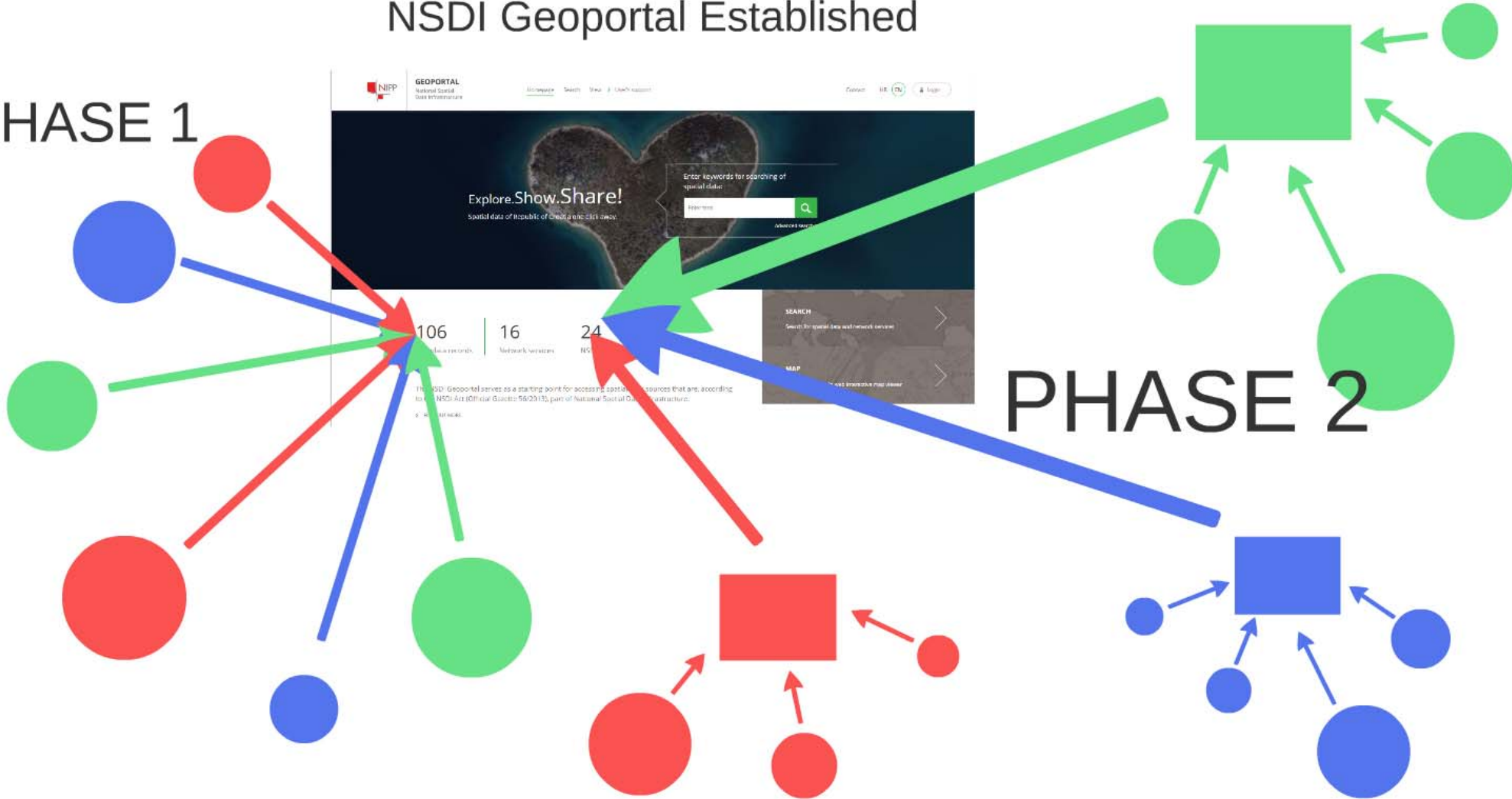
Category	Count
data records	106
Network services	16
NSDI...	24

# NSDI Geoportal Established

PHASE 1



PHASE 2



# NSDI 2.0

## Implementation





Spatial data of Republic of Croatia one click away!



**NEWS**

06.05.2015.

**Refreshed NSDI Registers are published**

With today's date new version of NSDI Registers are published. You can find them on our pages under the category NSDI documents.

28.04.2015.

**7. NSDI workshop „Data harmonisation according to INSPIRE“**

23.04.2015. in the hall of the Ministry of Administration 7th NSDI Workshop on Harmonization of data to the INSPIRE held on. Workshop was attended by 35 participants representing 20 institutions, NSDI subjects.

17.04.2015.

**New dates in INSPIRE Implementation Roadmap**

On the official INSPIRE website a complemented table of INSPIRE Implementation timeline is published in which some new dates are added.

27.03.2015.

**INSPIRE Interactive Data specification platform**

The process of building of the European Spatial Data Infrastructure based on the INSPIRE requirements and recommendations is now fully in its implementation phase. See the official INSPIRE Roadmap

[MORE](#)

**HIGHLIGHTED**



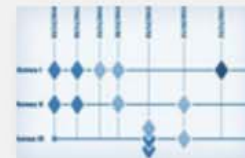
What is NSDI?



What is INSPIRE Directive?



Metadata



Timeline

# Instead of conclusions.....

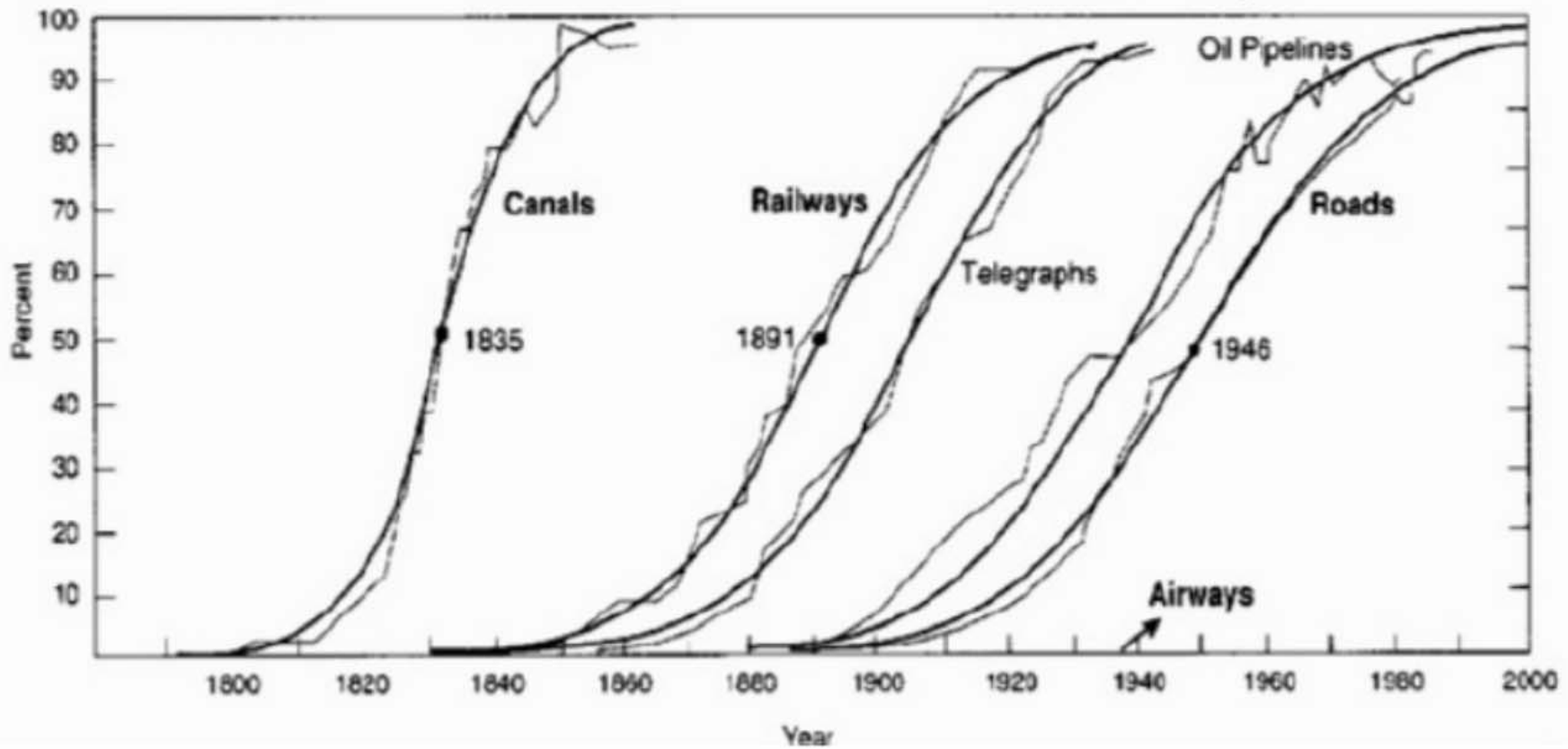
- Focus is shifted from formalisation to implementation
- NSDI subject are really involved
- NSDI Contribution to the development of the geospatial community is recognised
- INSPIRE like a tool for NSDI establishment



# Save your time and attention!

gu.hr

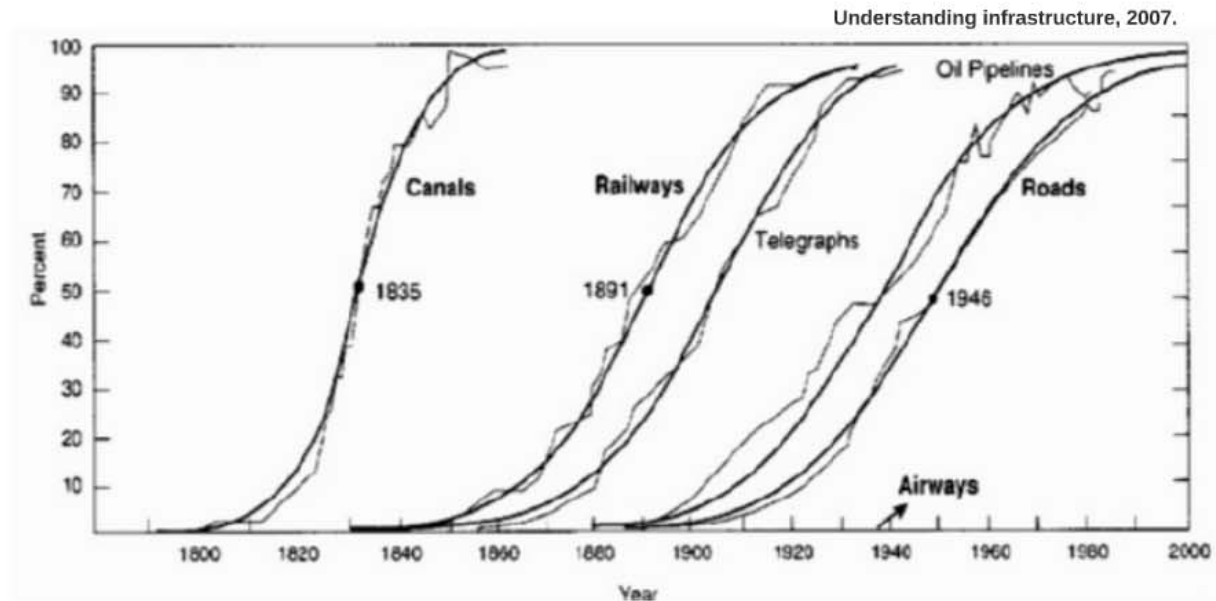
Understanding infrastructure, 2007.



***There are no shortcuts in evolution.***  
***Louis D. Brandeis***

# Thank for your time and attention!

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infonipp@dgu.hr



***There are no shortcuts in evolution.  
Louis D. Brandeis***