



# INSPIRE and geo-information infrastructure in the CR

Eva Pauknerová

European Commission Joint Research Centre,  
Ispra, Italy

Pavla Tryhubová

ČVUT FSv,  
Praha

Introduction

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# DG Joint Research Centre

- Mission: to provide customer-driven scientific and technical support for the conception, development, implementation and monitoring of European Union policies.
- The JRC functions as a reference centre of science and technology for the Union.
- Close to the policy-making process, it serves the common interest of the Member States, while being independent of special interests, whether private or national.
- 7 institutes in 5 countries, 2000 people



Image 2000







# Principles of INSPIRE

- the Infrastructure for Spatial Information in Europe

- **Data collected once and maintained at the level where most effective.**
- **Spatial information from different sources in Europe combined seamless and shared** between users/applications.
- Information collected at one level to be **shared between different levels**,
  - detailed for detailed investigations; general for strategic purposes.
- GI needed for good governance to be available **under conditions that do not refrain its extensive use.**
- **Easy discovering which geographic information is available**, relevant for particular use and under which conditions to acquire and use.

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# Proposal for the INSPIRE Directive

INSPIRE lays down **general rules** for the establishment of an infrastructure for spatial information in Europe to support:

- environmental policies and
- policies that affect the environment

This infrastructure **shall be based on infrastructures** for spatial information established and **operated by the Member States.**

INSPIRE requires also specific **implementing rules** to be adopted through Commitology

# Whom does it concern ?

1. This Directive is without prejudice to Directive 2003/4/EC, save where otherwise provided.
2. This Directive is without prejudice to Directive 2003/98/EC.

## Article 4

In the case of spatial data sets held by or on behalf of a public authority in accordance with Article 2(1)(c), where that authority operates at the lowest level of government within a Member State, this Directive shall apply only to spatial data sets the collection or dissemination of which is coordinated by another public authority or is required under national law.

Despite:

## Article 5

The following shall be regarded as a public authority for the purposes of this Directive:

- (a) government or other public administration, including public advisory bodies, at national, regional or local level;
- (b) any natural or legal person performing public administrative functions under national law, including specific duties, activities or services in relation to the environment;
- (c) any natural or legal person having public responsibilities or functions, or providing public services, under the control of a body or person falling within (a) or (b).

Member States may provide that when bodies or institutions are acting in a judicial or legislative capacity, they are not to be regarded as public authorities for the purposes of this Directive.

**Low involvement of regional and local level representatives till now !!**

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INSPIRE PRINCIPLES  
da de al en es fi fr it nl pt sv  
STEPWISE APPROACH  
INSPIRE ORGANISATION

WHAT'S NEW  
KEEP INFORMED / REGISTER

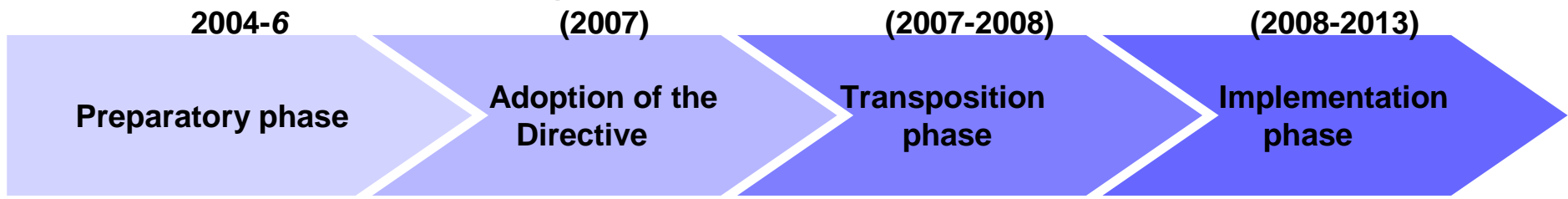
INSPIRE PROPOSAL  
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# From Commission proposal to Community Directive implementation



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- |                                                                                                                                                                            |                                                                                                                                                                                                  |                                                                                                                                                                                                         |                                                                                                            |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------|
| <ul style="list-style-type: none"> <li>✓ Co-decision procedure</li> <li>✓ Preparation (drafting) the Implementing Rules (IR)</li> <li>✓ JRC – ESTAT coordinates</li> </ul> | <ul style="list-style-type: none"> <li>✓ Adoption (EP + Council)</li> <li>✓ In force (20<sup>th</sup> day after publication in OJ)</li> <li>✓ Transposition into national legislation</li> </ul> | <ul style="list-style-type: none"> <li>✓ Commitology: adoption of IR</li> <li>✓ Consolidation of IR in Commission Regulations / Decisions</li> <li>✓ Transposition into national legislation</li> </ul> | <ul style="list-style-type: none"> <li>✓ Member States implement</li> <li>✓ Commission monitors</li> </ul> |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------|



# Overview of requirements

- metadata\*
- spatial data sets and spatial data services\*
- network services\*
  - EU geo-portal
- access and rights of use for Community institutions and bodies\*\*
- monitoring and reporting mechanisms\*\*
- process and procedures



\* technical: under JRC responsibility

\*\* legal/procedural: under Eurostat responsibility

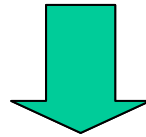


Mile-stone	Mile-stone	Description	Based on the hypothesis 2 years for co-decision process
2007	X	Entry into force of INSPIRE Directive	
2007	X+3m	Establishment of the INSPIRE Committee	
2007	X +1y at latest	Adoption of Implementing Rules for the creation and up-dating of the <b>metadata</b> Adoption of Implementing Rules for <b>network services</b> Adoption of Implementing Rules on third parties use of the <b>upload services</b> Adoption of Implementing Rules for <b>monitoring and reporting</b> Adoption of Implementing Rules governing <b>access and rights of use to spatial data sets and services for Community institutions and bodies</b>	
2009	X + 2y at latest	Adoption of Implementing Rules for <b>the use of spatial data sets and services by third parties</b>	
2009	X + 2y	Adoption of Implementing Rules for <b>harmonised spatial data specifications</b> and for <b>the exchange of Annex I spatial data</b>	

# The broader context

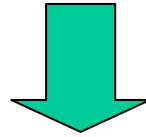
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- The implementation of INSPIRE needs to consider the broader context of existing initiatives which could contribute to ESDI



- The INSPIRE Work Programme should interface with those partnerships and initiatives where relevant and establish synergy\*

\*e.g. *GEOSS, GMES, GALILEO, GSDI,...*



**concept of Spatial Data Interest Communities (SDIC)**

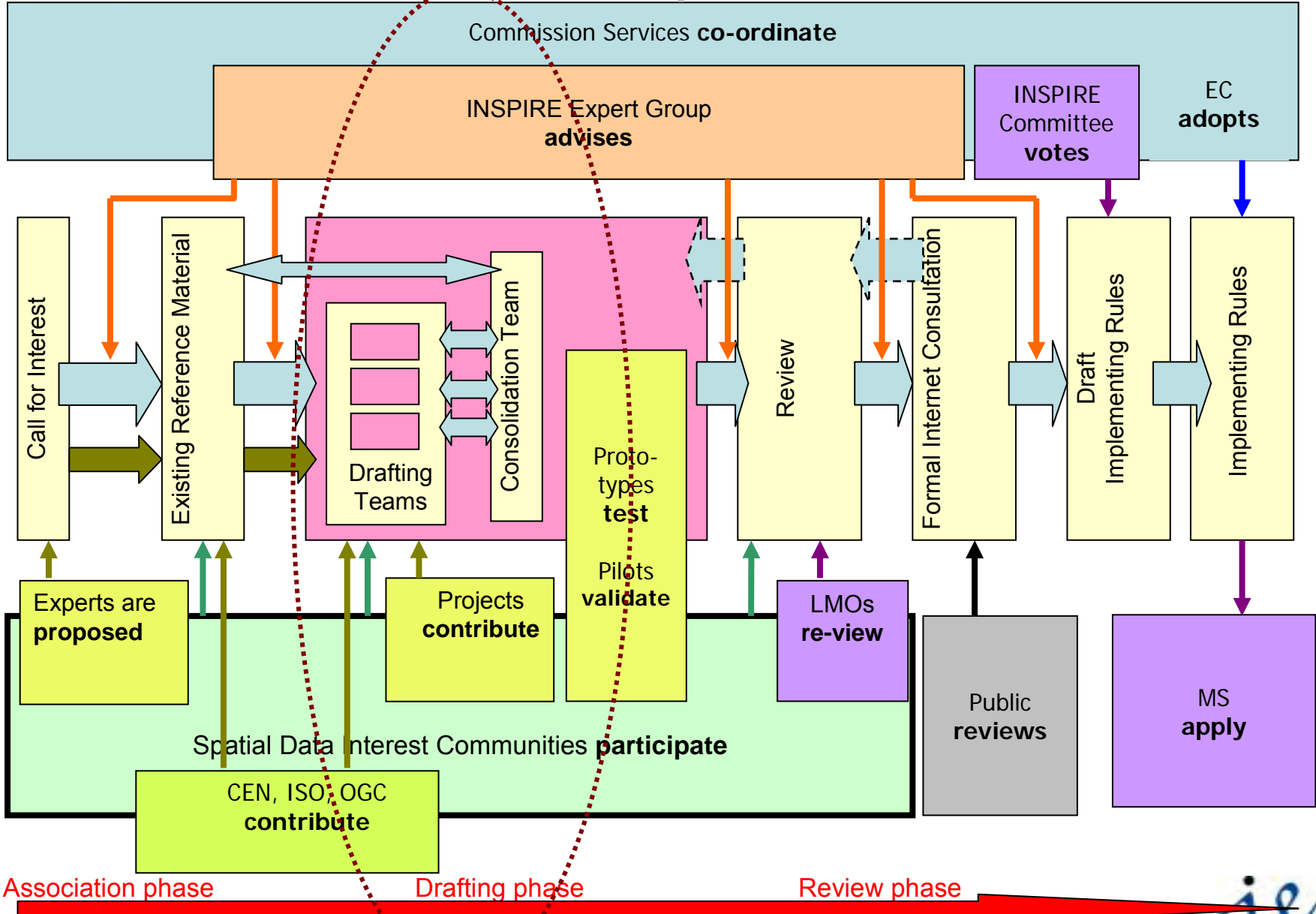
- SDIC bundle the human expertise of **users**, **producers** and **transformers** of spatial information, technical competence, financial resources and policies. Many SDIC exist today, generally organised by region, thematic issue or sector (industry).

# The role of Spatial Data Interest Communities (SDIC)

- submit/develop reference materials,
- allocate experts to the drafting teams (*closed in April 05*),
- collect and describe **user requirements**,
- **participate in the review process**,
- implement pilot projects
  - to **test**/revise/develop the draft Implementing Rules,
- make **cost/benefit analysis**
  - to assess costs of the draft Implementing Rules,
- contribute to **awareness raising** and training

# INSPIRE process

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## Decisions taken at 1st CT-DTs coordination meeting 16-17/02/2007 CONSULTATION ON INTERMEDIATE DOCUMENTS

- ....
- Consultation with SDIC/LMO will be reinforced.
- SDIC/LMOs will be requested to comment on intermediate documents or to answer specific questions.
- The consultation will be launched (under request of a DT and approval of the CT) on the INSPIRE web site using on-line tools. The CT will be responsible to coordinate this process.
- Under request of the DT the consultation will be also used to address specific questions related to a better understanding of user requirements in specific fields.
- **INSPIRE consultations will be open to ALL registered SDIC/LMOs.**
- .....

# How Czech GI community involved?

- Presentations at national conferences, organizing seminars and workshops on INSPIRE in the CR (by CAGI and Nemoforum) since 2002;
- CZ-INSPIRE initiative launched by CAGI in 2002;
- 2 Czech members of the INSPIRE Expert Groupe (IEG):  
J.Hradec (CENIA) and M.Konečný (MU, MICR)
- CENIA: [www.cenia.cz/inspire](http://www.cenia.cz/inspire);
- 4 registrations in the INSPIRE call for interest:
  - 2 LMOs (CUZK, CENIA) and
  - 2 SDICs (OGESDI, RurSDI)

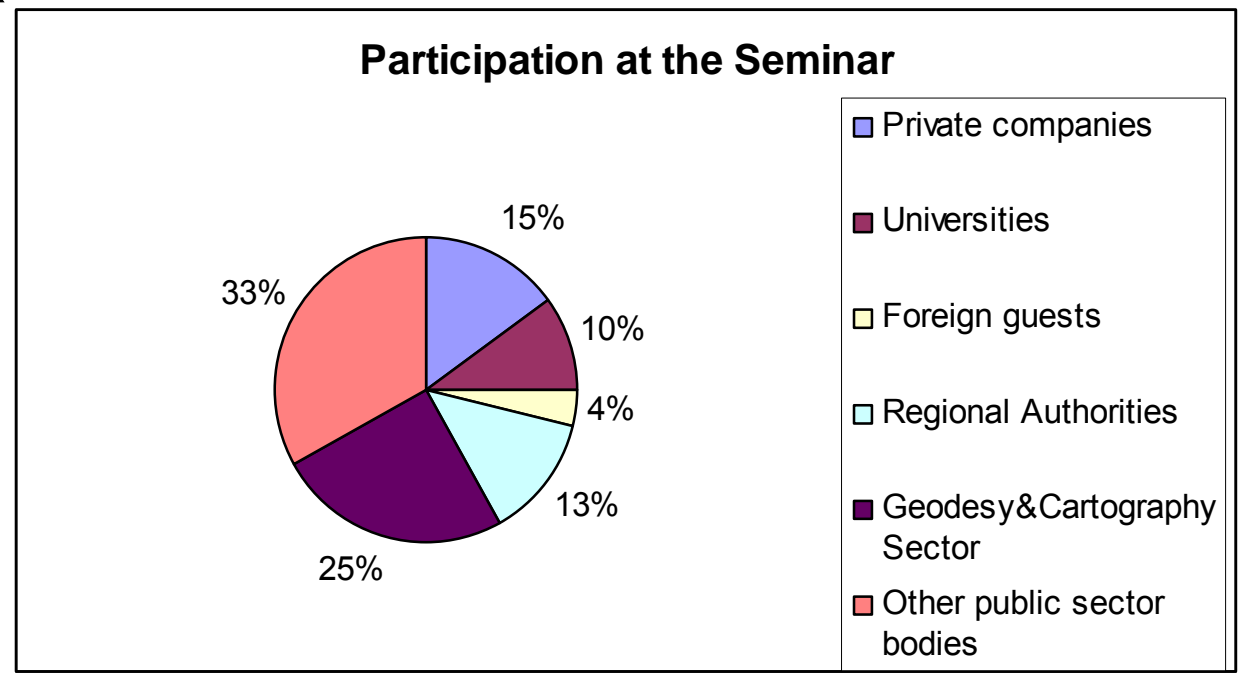
*BUT*

- Still lack of activities and visibility on the EU scene !!
- The opportunity to co-formulate or test the future rules for SDI/GII in Europe (and the CR) seems not to be recognized or used,

**WHY ??**

# Seminar and workshop on INSPIRE and SDIs/GIIs existing in the CR

- Co-organized by EC JRC, Nemoforum and CENIA
- 14 and 15 March 2006 in Prague
- Hosted by CUZK
- 100 participants



# INSPIRE

## and SDIs/GIIs existing in the CR

Four **program** blocks on 14.3.06 :

- INSPIRE introduced from the perspectives of EC JRC, CENIA and the Czech SDIC;
- Geo-information infrastructures in charge of Czech ministries and INSPIRE
- Geo-information infrastructures in charge of the Regions and INSPIRE
- INSPIRE seen by the professional non-governmental organizations

*20 presentations, see: [www.cuzk.cz/nemoforum](http://www.cuzk.cz/nemoforum)*



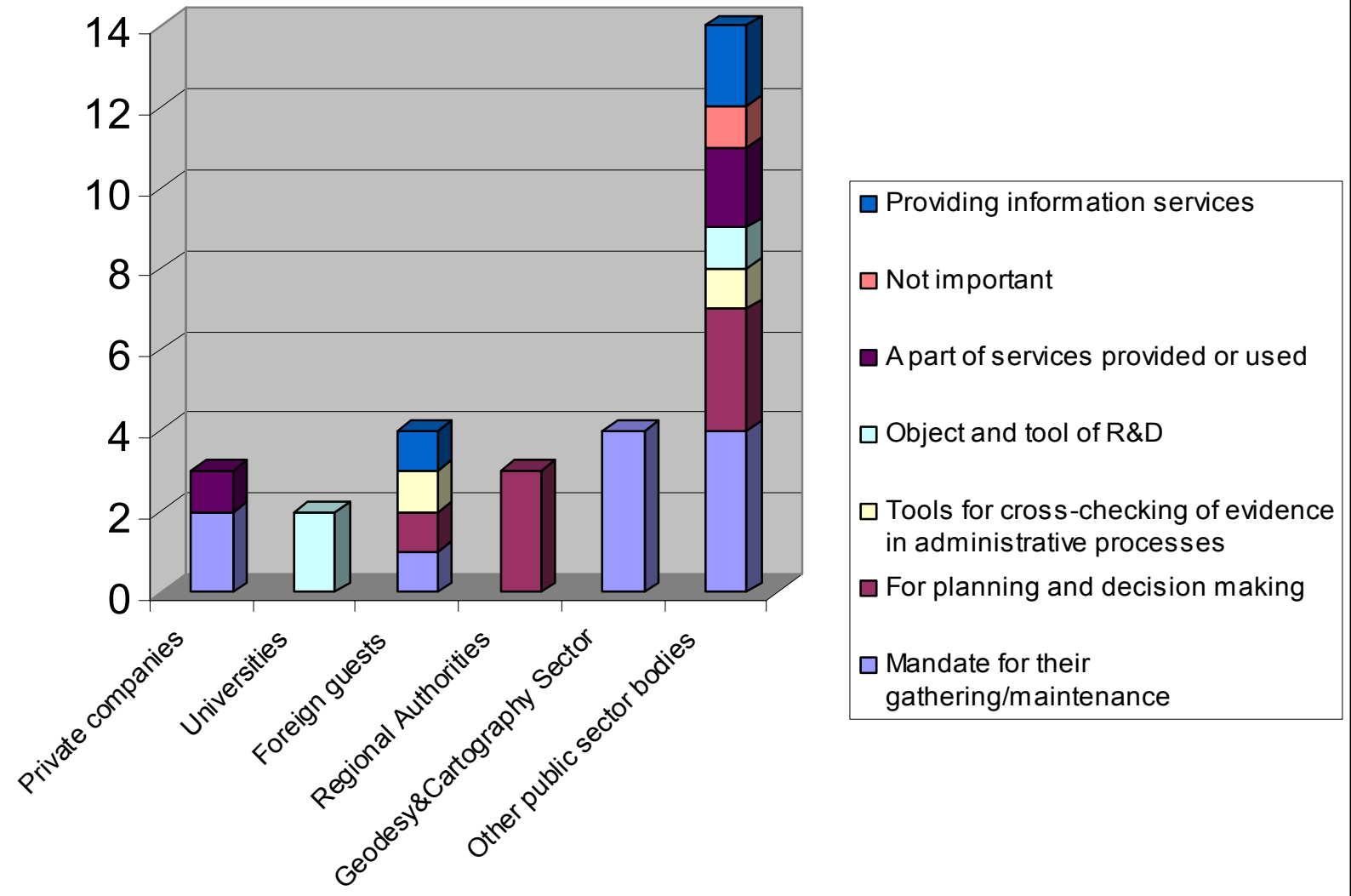
# Survey of user views

## *List of questions*

- The name or type of organization you represent
- Why GI is relevant for your organization?
- What does INSPIRE mean for your organization (or you)?
- What you consider positive in/on INSPIRE?
- What you don't like in/on INSPIRE?
- What is unclear?
- What you would like to know better?
- Which could be the impact of INSPIRE on your work?
- Which could be the benefit of INSPIRE in your work?
- Which are areas of concern in the INSPIRE Workprogram?
- Any recommendations to the development of INSPIRE implementation rules?
- Comments to this seminar
- Recommendations for other INSPIRE focused actions
- Name (*optional*) .....

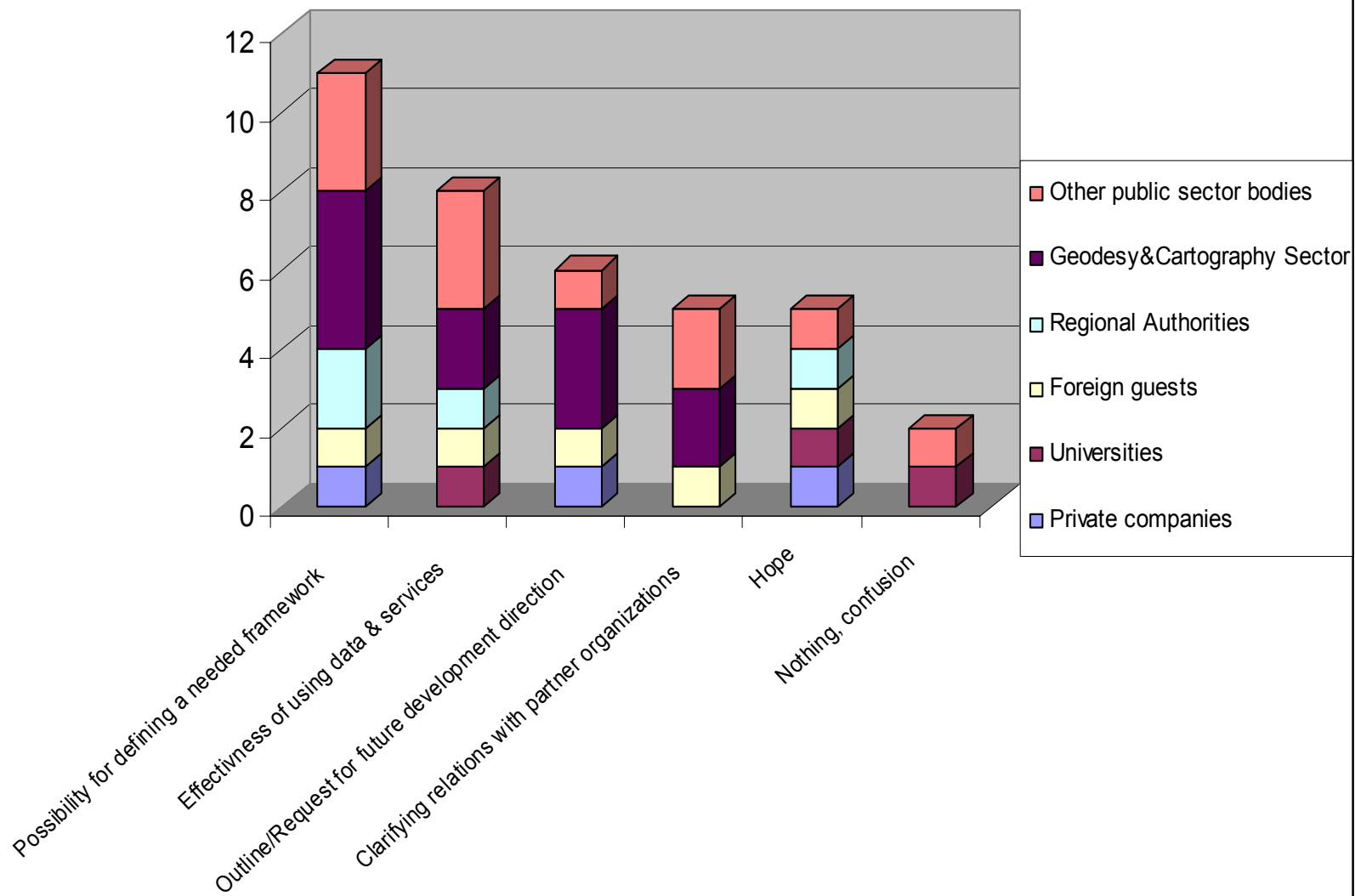


# Why is G/GII relevant for the organization



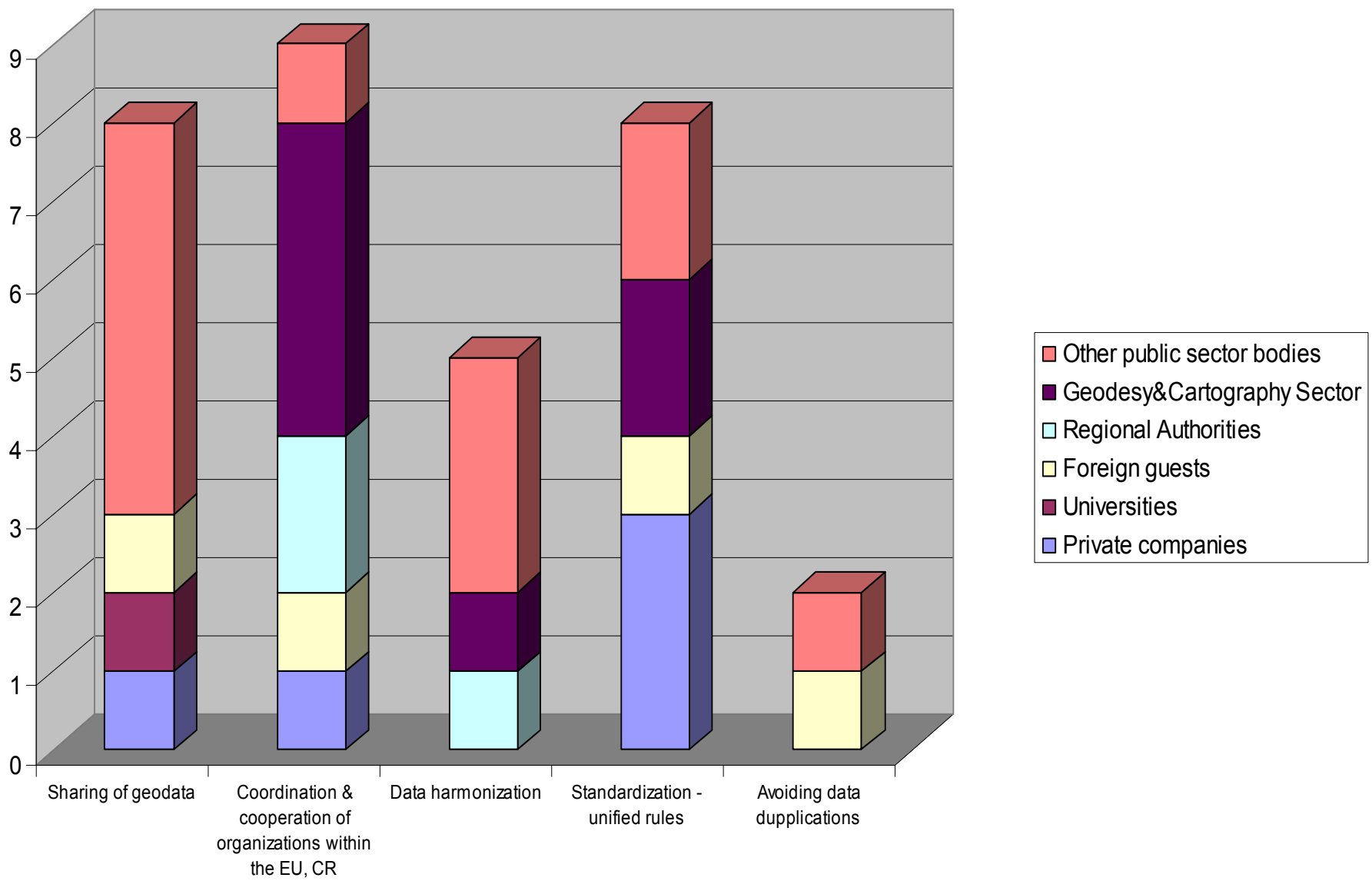


# What INSPIRE means for the organization





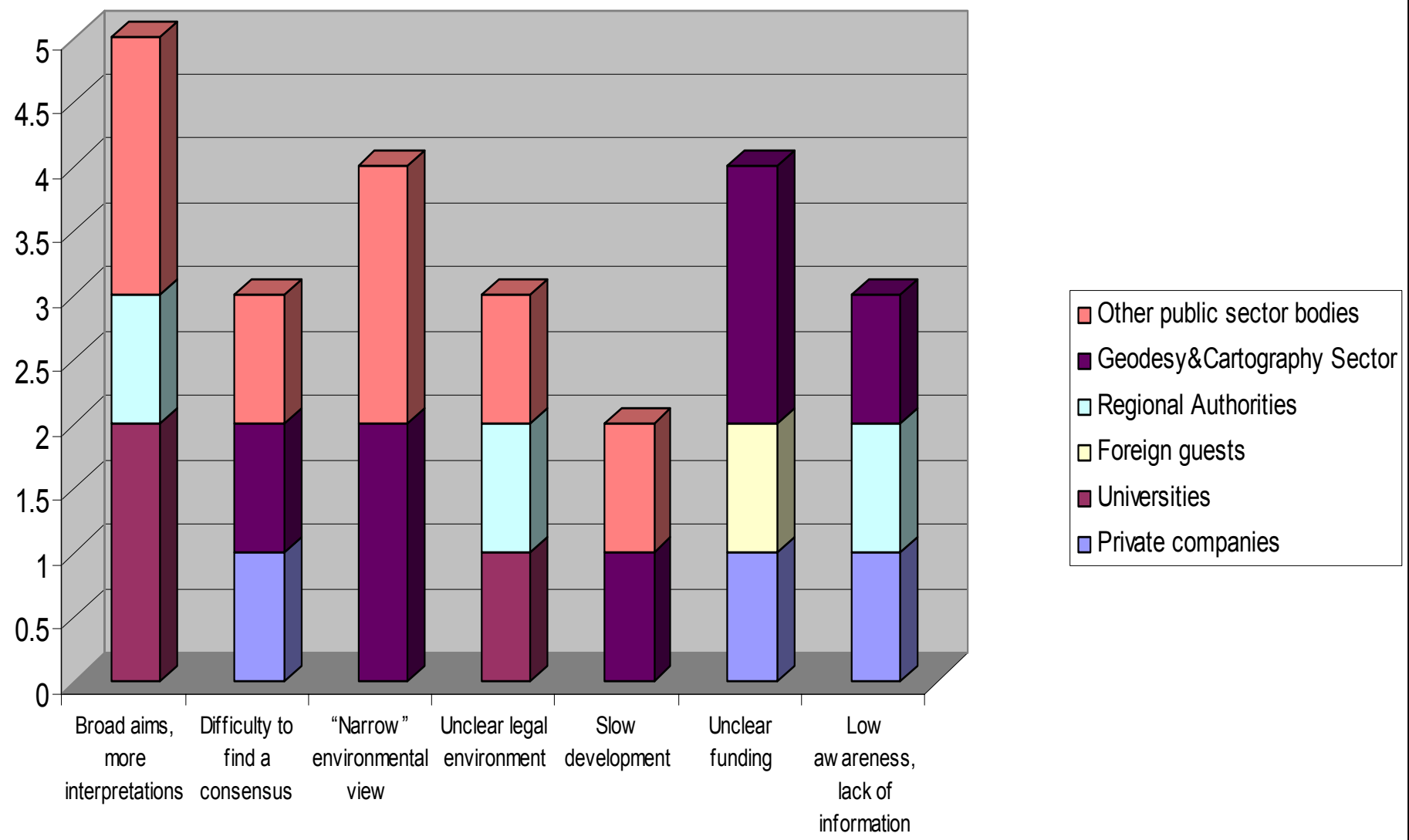
# What is seen as positive on INSPIRE



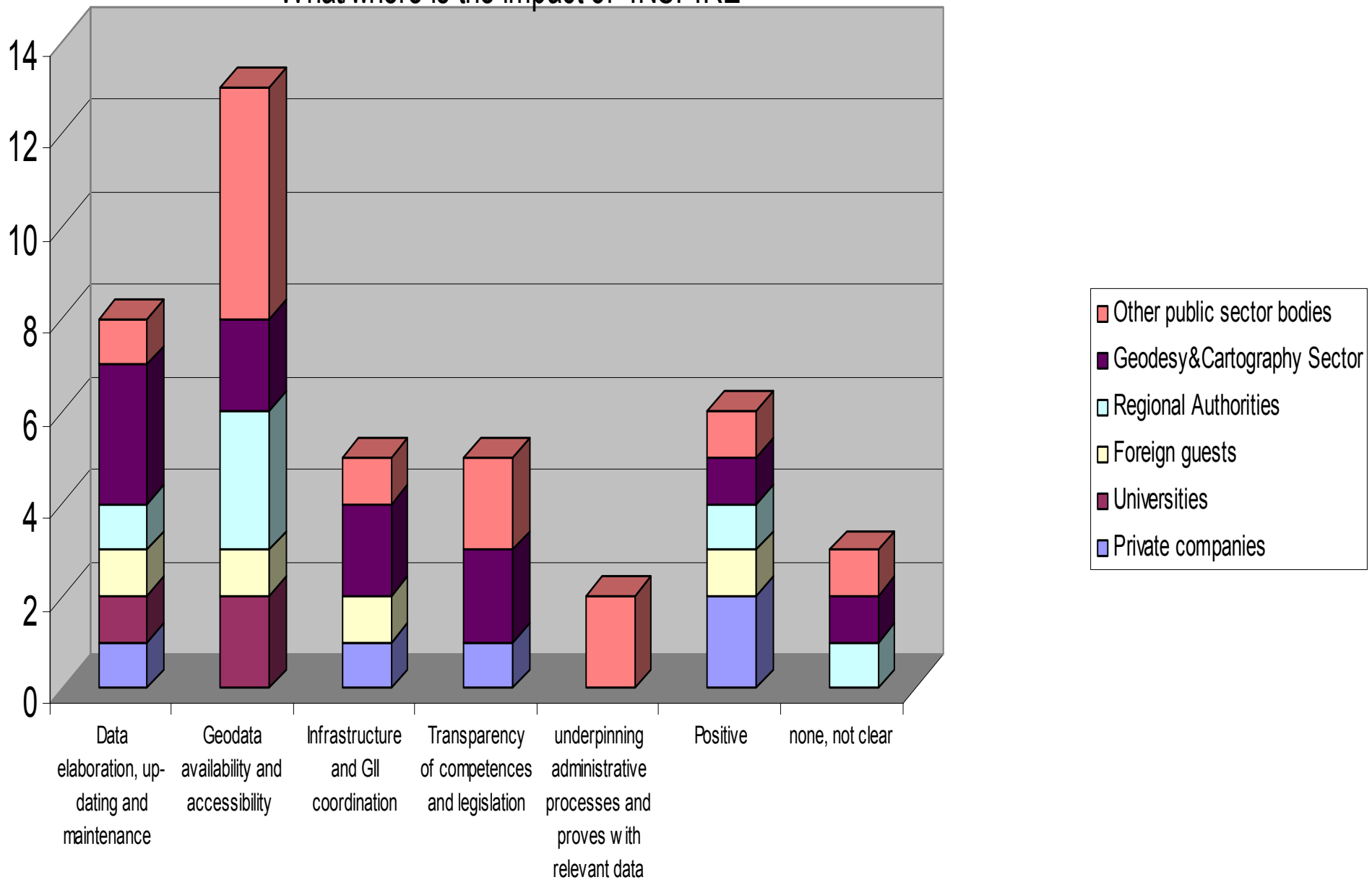




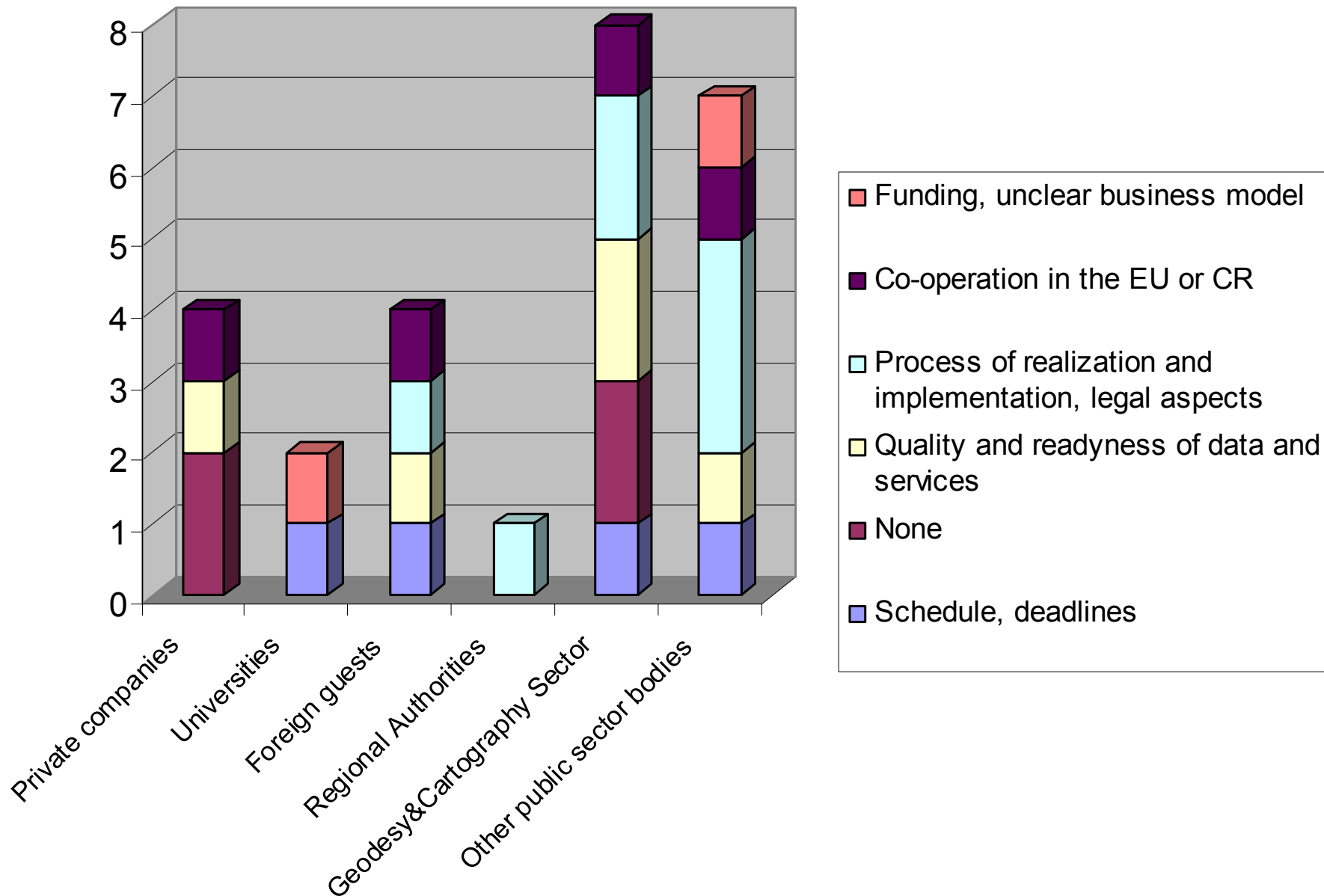
# What you dislike in/on INSPIRE



## What/where is the impact of INSPIRE



# Fears - possible negative impacts concerning INSPIRE WP





# Prague seminar conclusions

- The high participation and spectrum of Czech GI and GII/SDI stakeholders reflect **interest in INSPIRE**.
- The thematic or regional **infrastructures for spatial data and information considered in national or European context**.
- The **INSPIRE Directive is seen with positive expectations**:
  - needed legal and coordination framework;
  - help to bridge or remove barriers between sectors and institutions.
- Many responders wish to **participate in the INSPIRE development and implementation** planning process >>>
  - participation in the reviewing (or testing) of the drafted IRs via registered SDIC/LMO and JRC;
  - informed participation in the national implementation planning process coordinated by CENIA and MICR;
  - using Nemoforum, the national platform for spatial information and cadastre, for horizontal communication.

## More information on INSPIRE

- A set of **awareness-raising activities** by different stakeholder groups in the near future (*JRC, CENIA, Nemoforum, CAGI, Universities, Public Administration*).
- The **results of the Czech event** to be used the INSPIRE information service at JRC and **for future INSPIRE Information Days in other NMSs and ACs**.
- The **presentations** introduced during the seminar on 14 March are available on the web:  
<http://www.cuzk.cz/nemoforum>
- More on inspire: [www.inspre-jrc.it](http://www.inspre-jrc.it) and [www.cenia.cz/inspire](http://www.cenia.cz/inspire)



# Conclusions

- INSPIRE is a Directive with implementing rules to be defined in the coming years
- Highest involvement of key stakeholders through the SDIC concept is needed
  - SDIC could contribute to make the process to develop INSPIRE manageable and efficient
- Openness and transparency in drafting implementing measures will be followed
  - including formal public consultation
- Pilots and Projects could play a key role to define and validate the implementing rules
- Involvement of the New Member States in the INSPIRE development and implementation rules preparation to be encouraged
- National INSPIRE Information Days addressed to the SDI Stakeholders in NMSs and ACs will be organized using the experience from the Czech INSPIRE and GII seminar held in March 2006. *THANKS!*

# Thank you for your attention !

INSPIRE:  
<http://inspire.jrc.it>