



## **EuroSpec, building the backbone framework for the INSPIRE infrastructure**

Claude Luzet, Programme Manager



## Why geographic information is (more & more) European

- ✓ **Governance & the citizen**  
e.g. disaster management
- ✓ **Industry & Business**  
e.g. ADAS
- ✓ **Increasing EU/EC need for GI**  
e.g. agriculture, water  
GMES, Galileo
- ✓ **Legislative developments**





## INSPIRE – proposed directive

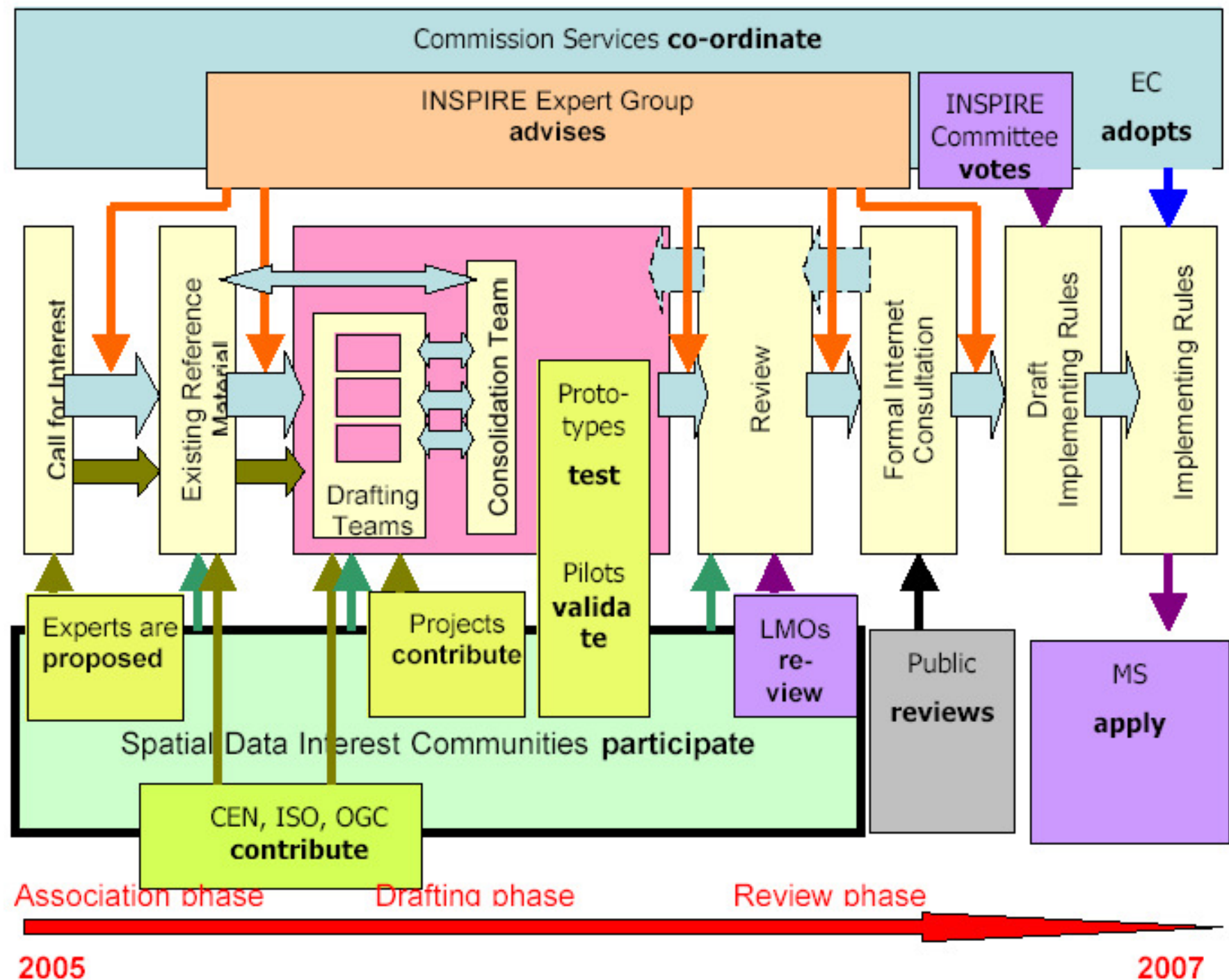
- **Legislative process**
  - Focus on environment data and common reference information
  - Focus on the use of public sector information
  - Following the co-decision process
    - Adopted 2nd semester 2005 (?)
  - Entry into force in 2007
  - Impact ?
    - Depends on final text and...
    - ... on implementing rules





## INSPIRE – working programme

- Implementing Rules
  - Will define how the Directive is implemented
    - Data specifications, metadata requirements, access and use of data, etc
  - Will be decided through the Comitology process
  - Process controlled by the Commission, based on work, input, comments from Member States and various organisations
  - Call for nominations, first round closed
  - Key actors : the Drafting Teams
    - Composition announced on 24th June
    - Work to be immediately launched







## Nominations to INSPIRE

	Total EU	EuroGeographics & Members	
SDICs	133	6	4 %
LMOs	82	27	33 %
Projects	91	~25	27 %
Experts (total)	180	49	27 %
Metadata		9	
Specifications		15	
Services		8	
Data sharing		12	
Monitoring		5	



## EuroGeographics vision & long term goals

- **Vision** : *Seamless access to national reference information (mapping and related land and property information) for the benefit of the pan-European or cross-border customer.*
- **Main Goals** :
  - ☞ *Technical interoperability*
  - ☞ *Business interoperability*
  - ☞ *Distributed architecture*
- **Organisational framework**
  - ☞ *the EuroSpec Programme*



## **EuroSpec is :**

**a programme of work of EuroGeographics established to**

- realise the common vision of EuroGeographics' Members
- provide INSPIRE with the underpinning consistent reference information required as the foundation of the ESDI
- coordinate the existing and future activities of EuroGeographics within a consistent framework for best efficiency towards the common goals





## Reference Information vs. INSPIRE components

### ANNEX I (6/7)

- 1. Coordinate reference systems
- 2. Geographical grid systems
- 3. Geographical names
- 4. Administrative units
- 5. Transport networks
- 6. Hydrography
- 7. Protected sites

### ANNEX II (4/5)

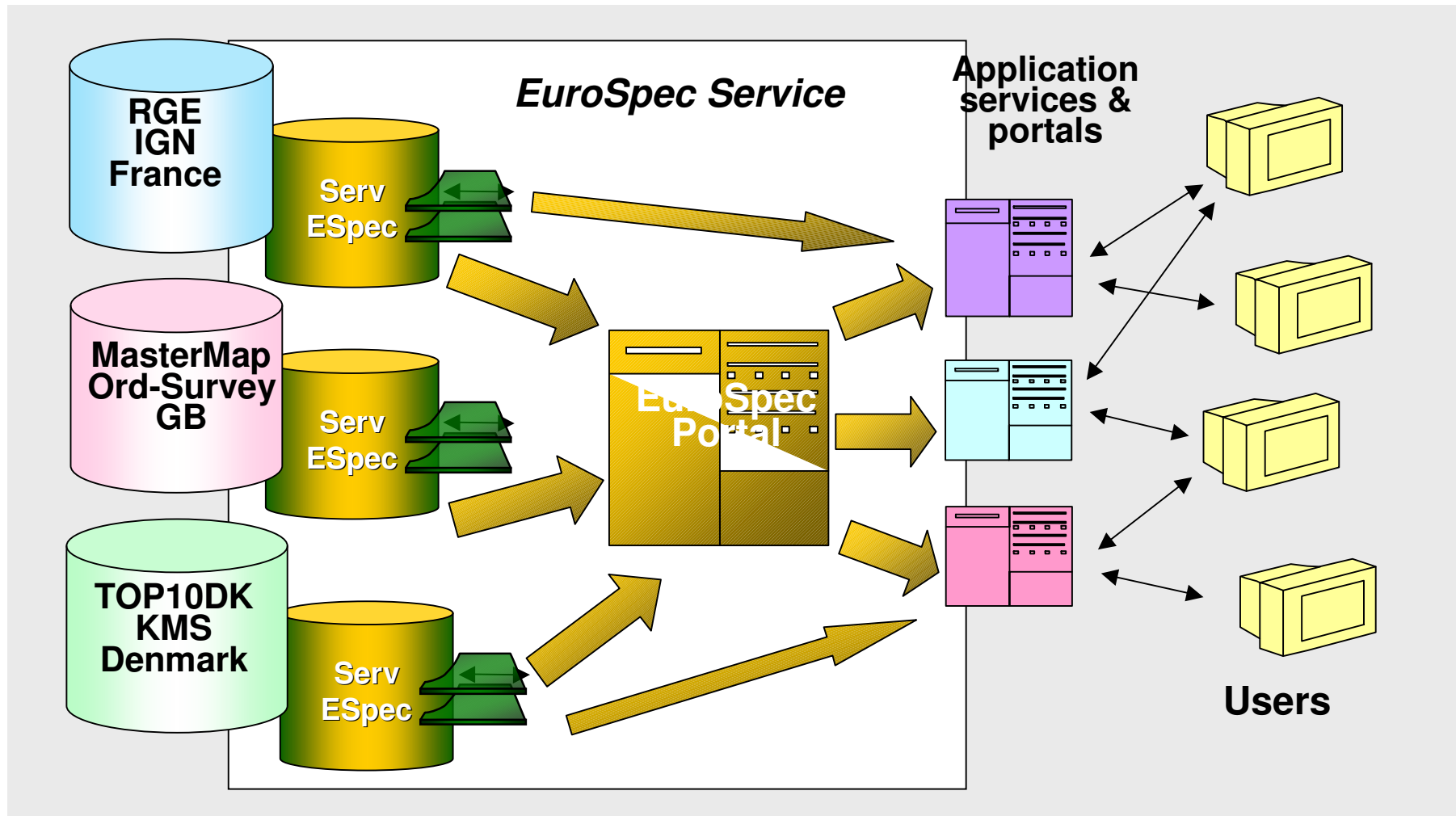
- 1. Elevation
- 2. Identifiers of properties
- 3. Cadastral parcels
- 4. Land cover
- 5. Orthoimagery

### ANNEX III (2/19)

- 1. Statistical units
- 2. Buildings



## EuroSpec service : a preliminary vision





## Latest news (1)

1. Three new Expert Groups established January 2005
  - Information and Data Specifications (chair : Germany)
  - Distributed Services Architecture (chair : Finland)
  - Cadastre (chair : Slovenia)
2. Two development projects in the initiation phase
  - EuroGeoNames (chair : Germany)
  - EuroBoundaries (chair : Austria)



## Latest news (2)

### 3. Another major new project to be initiated end 2005:

- “EuroSpec Implementation Services”; now being defined
- first prototype to be implemented on distributed ERM data

### 4. Metadata

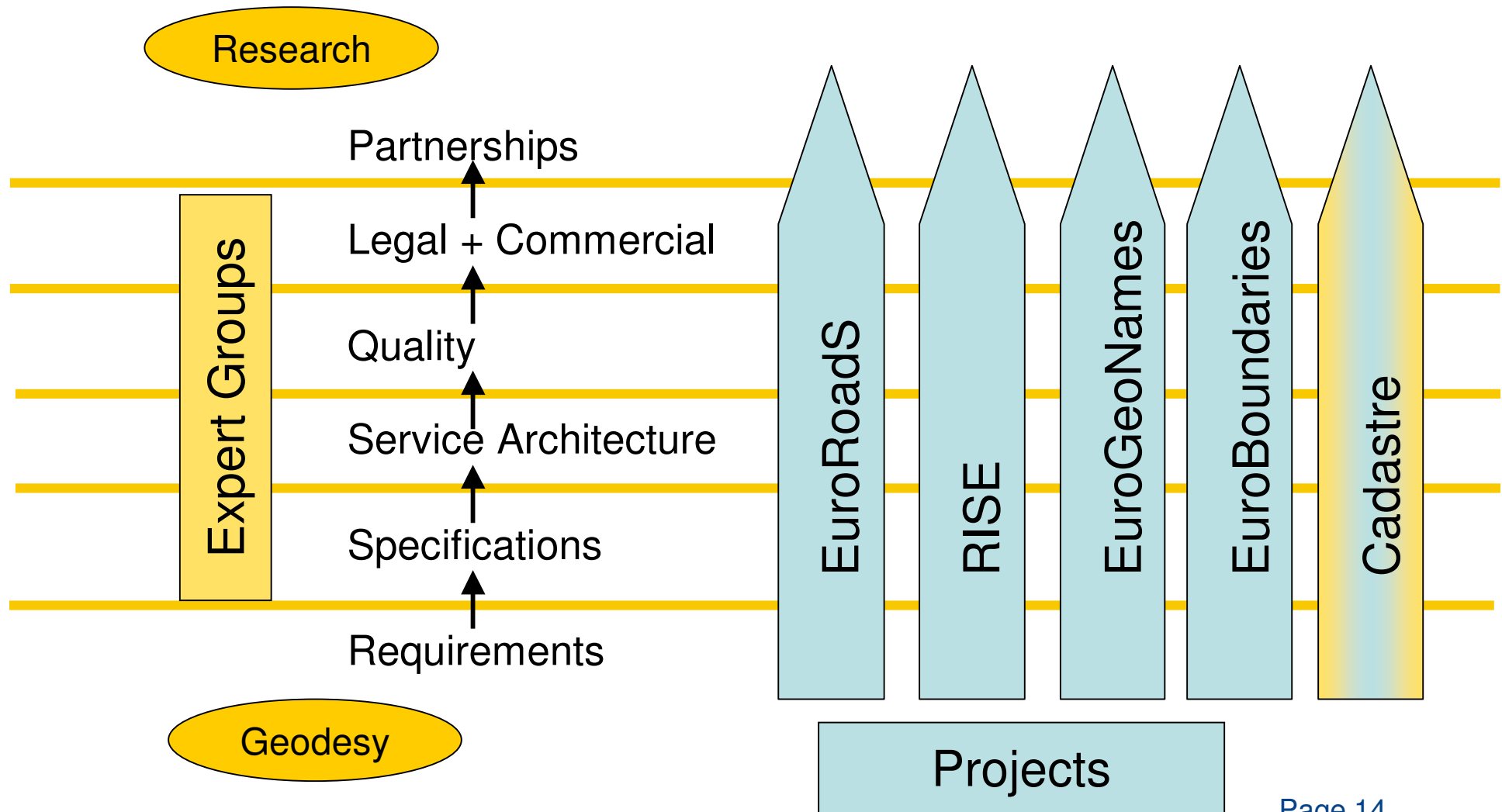
- EuroMapFinder: new metadata service now live
  - (internal) 1st May, (public) 30th June
- Metadata workshop : 23-24 May
  - 15 countries
  - Towards phase 2 : distributed service



## INSPIRE Drafting Teams & EuroGeographics operational structures

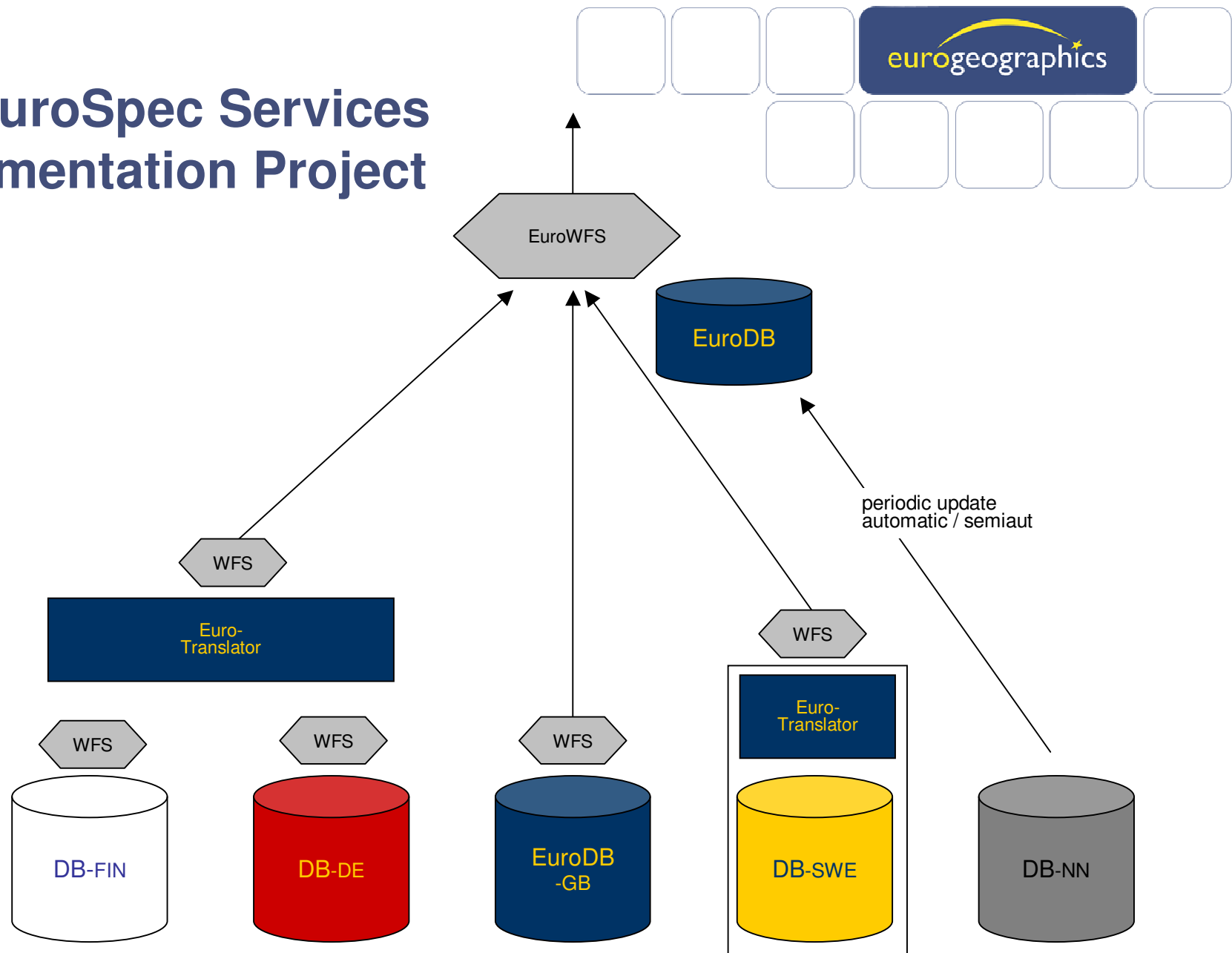
- Metadata ⇒ EMF, plus (ExG-Q, ExG-IDS)
- Data Specifications ⇒ IDS Expert Group
- Network Services ⇒ DSA Expert Group
- Data and Service Sharing ⇒ L&C Expert Group
- Monitoring and Reporting ⇒ out of scope

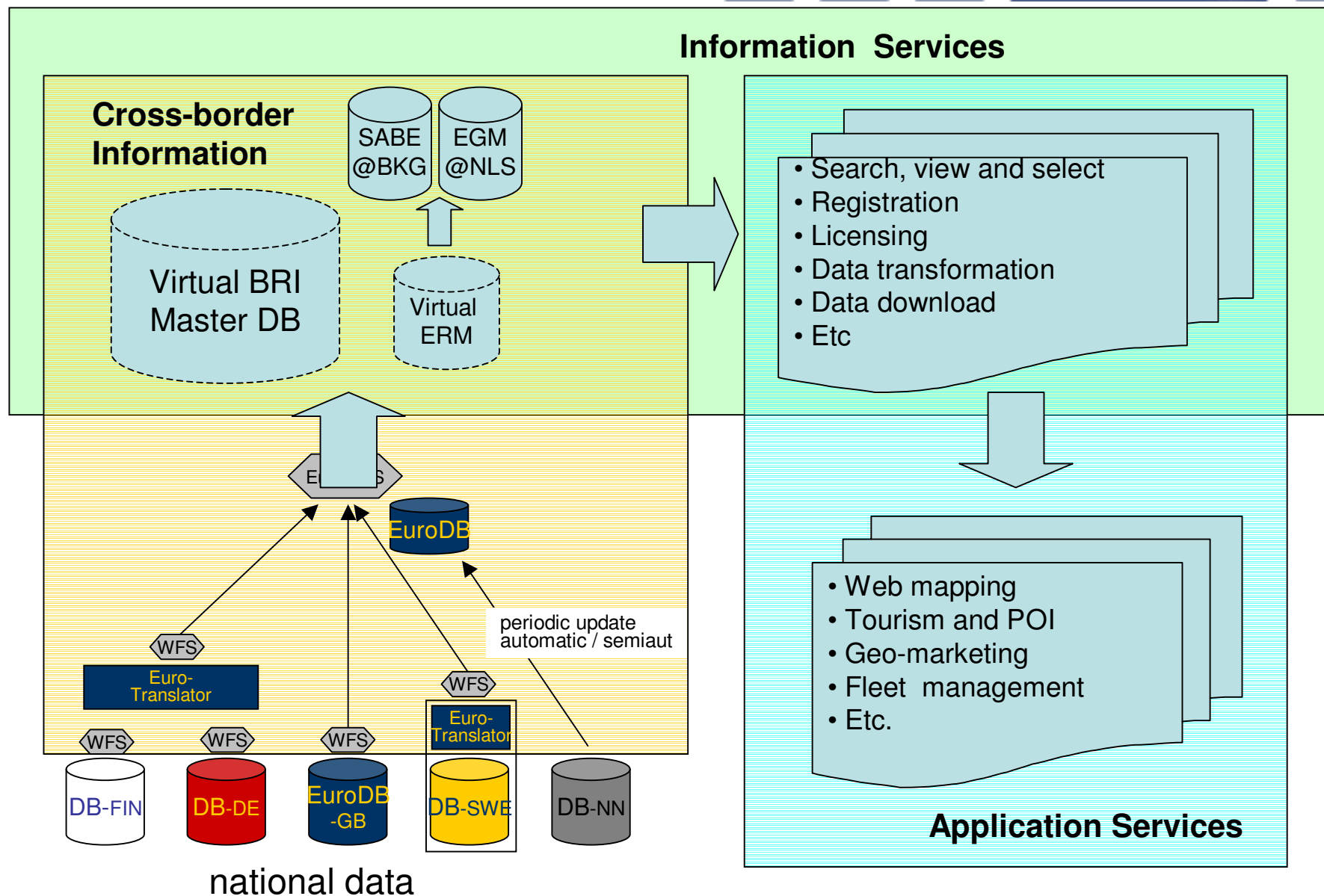
# EuroSpec Programme architecture





# The EuroSpec Services Implementation Project







## **EUREF, contributing to European GI interoperability**

- Common Reference System
  - ERTS89
- Access to ERTS89
  - EPN
- Heights
  - Common vertical system - EVRS
  - European Geoid
- Interface with EuroSpec and other EuroGeographics activities
  - EuroGeographics Expert Group on Geodesy – the ExG-G



## The objectives of the ExG-G (ToR)

### 1. Coordinating with and complementing EUREF

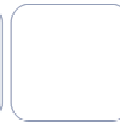
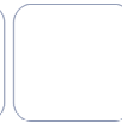
- coordinate the cooperation between EG and EUREF in the field of Geodesy
- develop activities in geodetic fields not covered by EUREF
- promote EUREF products especially ETRS89 and EVRS

### 2. Taking geodesy forward

- define products, prepare guidelines, standards and validation procedures
- prepare and support the use of new geodetic technologies and products

### 3. Supporting and linking with EuroGeographics activities

- detect and select relevant geodetic issues and indicate actions in EG projects
- specify and adopt solutions of EUREF for applications in EG projects
- advise projects of EuroGeographics and ESDI groups in geodetic questions and tasks.



Danke Schön !

