



European Spatial Data Infrastructure Network

## **Brief introduction**

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# Outline

- Brief introduction to ESDIN
  - INSPIRE – putting theory into practice
  - Technical and business interoperability
- Reference Groups

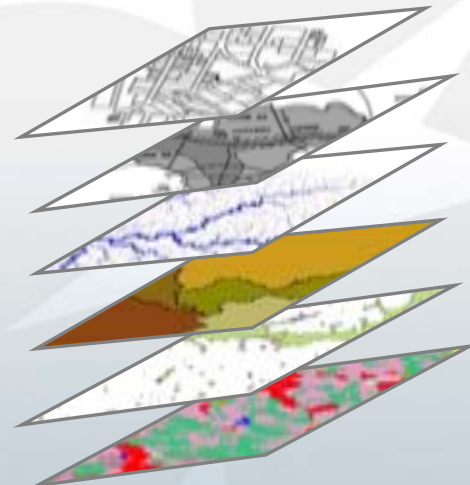
- An eContent*plus* Best Practice Network project
- September 2008 – February 2011
- Coordinated by EuroGeographics
- 19 partners, total 567 person months

### Key goals:

- ✓ Help member states, candidate countries and EFTA States prepare their data for INSPIRE

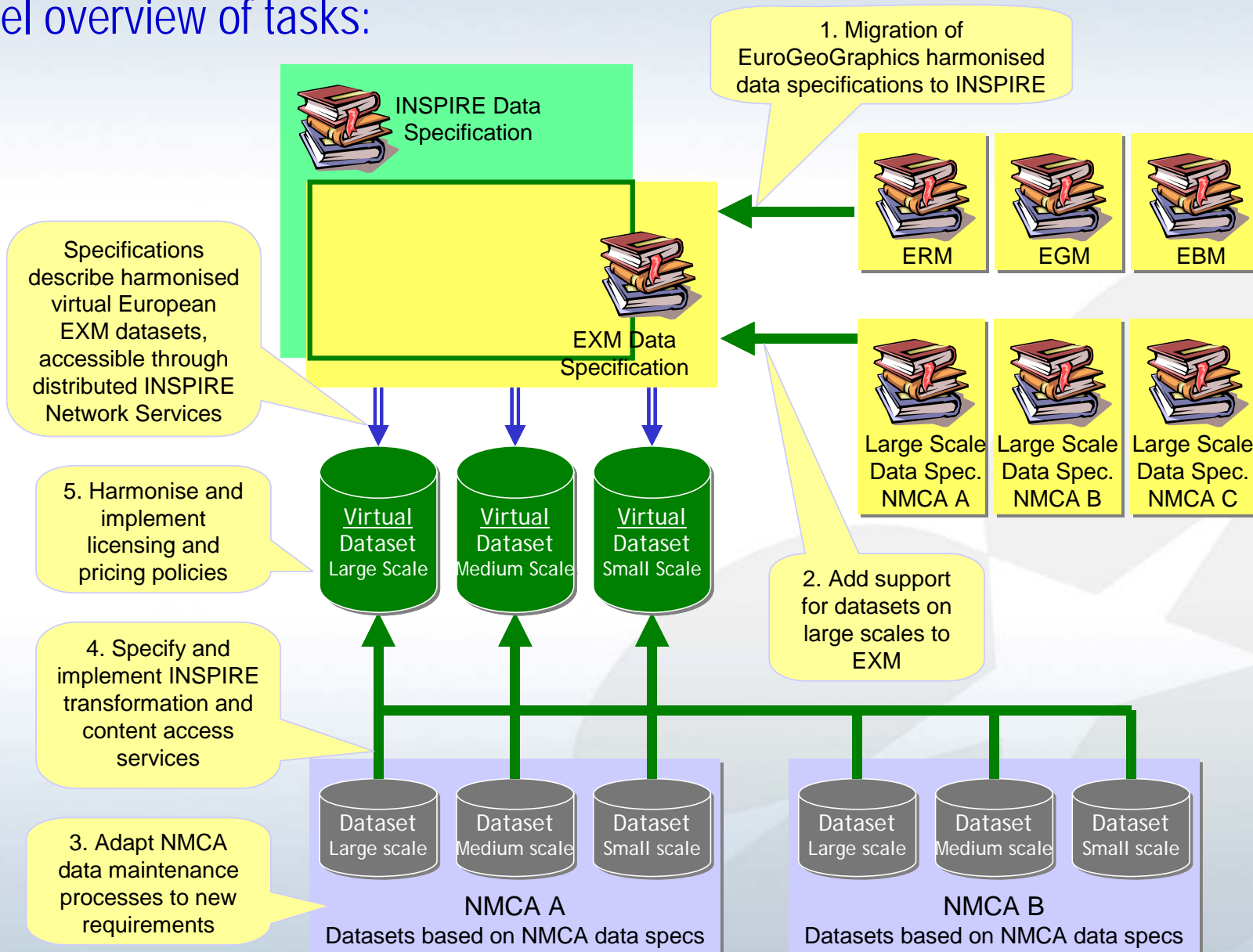
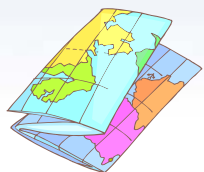
1. Coordinate Reference Systems
2. Administrative Boundaries
3. Cadastral Parcels
4. Hydrography
5. Transport Networks
6. Geographical Names

*Annex I spatial data themes*



- ✓ Improve data access

# High level overview of tasks:

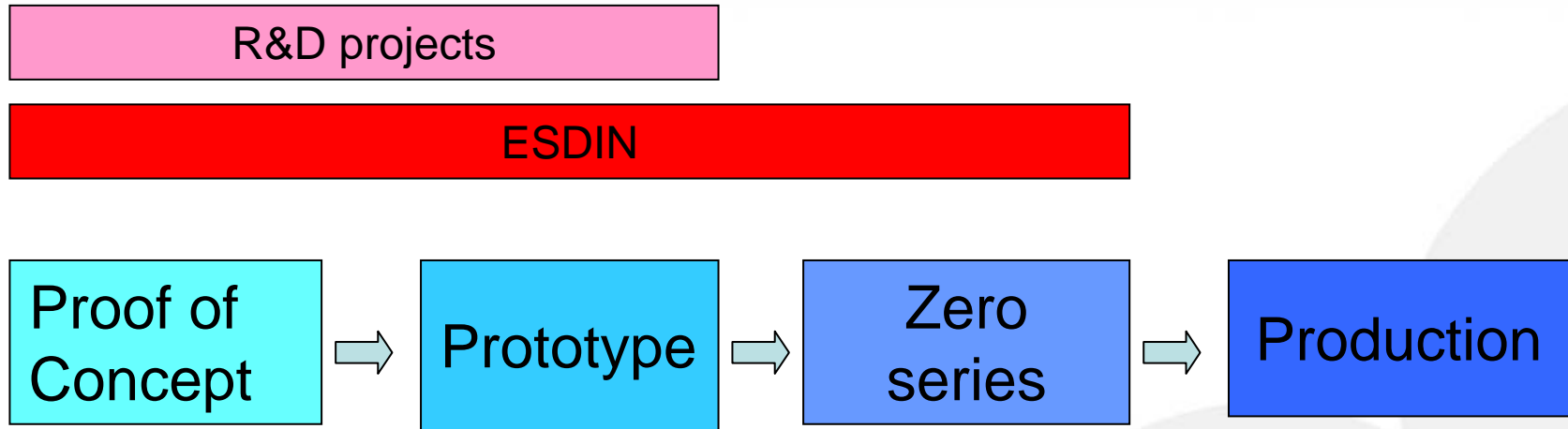


# 'INSPIRE – putting theory into practice'

**Build the European Spatial Data Infrastructure (ESDI) on a 'backbone' of reference data available from the NMCAs.**

- Based on user requirements (in addition to INSPIRE)
- Build services capable of transforming data and providing access to the data, such as:
  - metadata harmonisation
  - transformations to European data specifications,
  - providing common semantics, support for multi-lingual aspects,
  - transformation of coordinates to common coordinate reference systems,
  - generalisation, from 'large' to 'small' scales and edge-matching to address inconsistencies at national borders,
  - standard approach to reporting data quality for a range of data in a manner understood by users.
- Test the services in real world scenarios
- Elaborate a business model including rights management

## ESDIN in the Principle Development Chain





## Expected results:

- Aggregated (interoperable) data for the ESDIN INSPIRE Annex I themes.
- Seamless INSPIRE conformant access to the above data through a distributed technical architecture:
  - Data access services
  - Content transformations
  - Edge matching and generalisation guideline rules, scripts and tools
  - Specifications and guidelines for sustainable maintenance of UIDs and update
  - Geo Rights management services
  - Data quality evaluation concept
  - Pricing and Licensing policy maximising use and re-use of the information
- A sustainable network of data providers, users, VARs, technology partners and the academic sector.
- Increased practical use of previous Commission funded projects.

# Reference Groups

Nr.	Reference group
1	Stakeholder engagement and Data access and licensing policy (WP3 & 4)
2	Technical architecture and coordination (WP 5)
3	ExM - Medium/small Scale (WP 6)
4	ExM – Large scale (WP 7)
5	Metadata and quality guidelines (WP 8)
6	Data maintenance/Business process NMCAs (WP 9)
7	Interoperability services (WP 11)

Please connect to: [www.esdin.eu](http://www.esdin.eu)

**HELP ESDIN HELP YOU!**

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