



European Spatial Data Infrastructure Network

The European Spatial Data Infrastructure Network Project

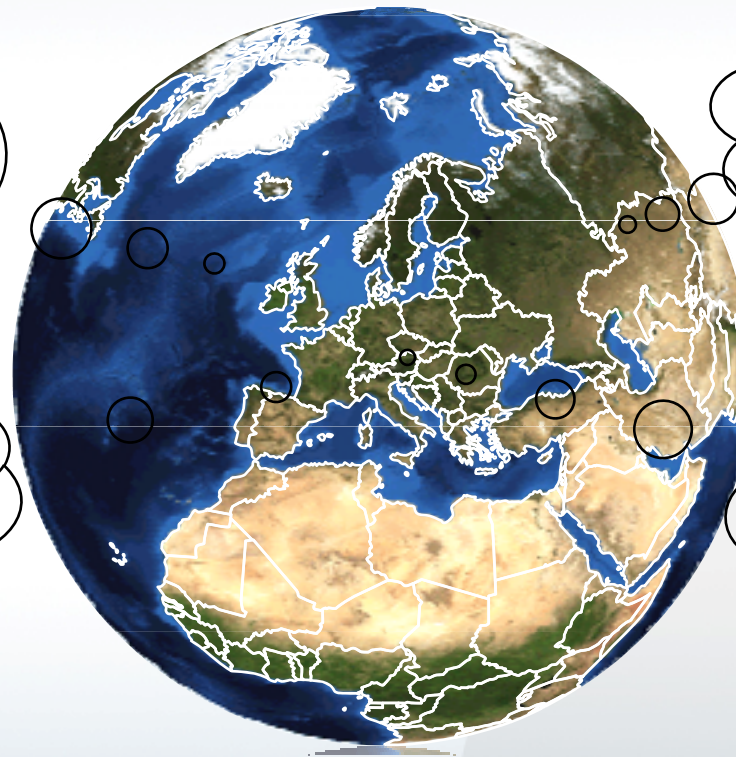
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ESRI UC 2010, 15th July



EU needs for seamless pan-European reference data and services

GMES (Global Monitoring for Environment and Security) is a European initiative for the implementation of information services dealing with environment and security

Communication from the Commission on Shared Environmental Information System (**SEIS**) 1st February 2008



Directive 2007/60/EC on the assessment and management of flood risks entered into force on 26 November 2007

Directive 2007/2/EC establishing an Infrastructure for Spatial Information in the European Community (**INSPIRE**) entered into force on the 15th May 2007

ESDIN project info (www.esdin.eu)

• Project partially funded by eContentplus programme
 • Started in September 2008 and will run for 30 months until March 2011
 • Coordinated by EuroGeographics with 20 project partners

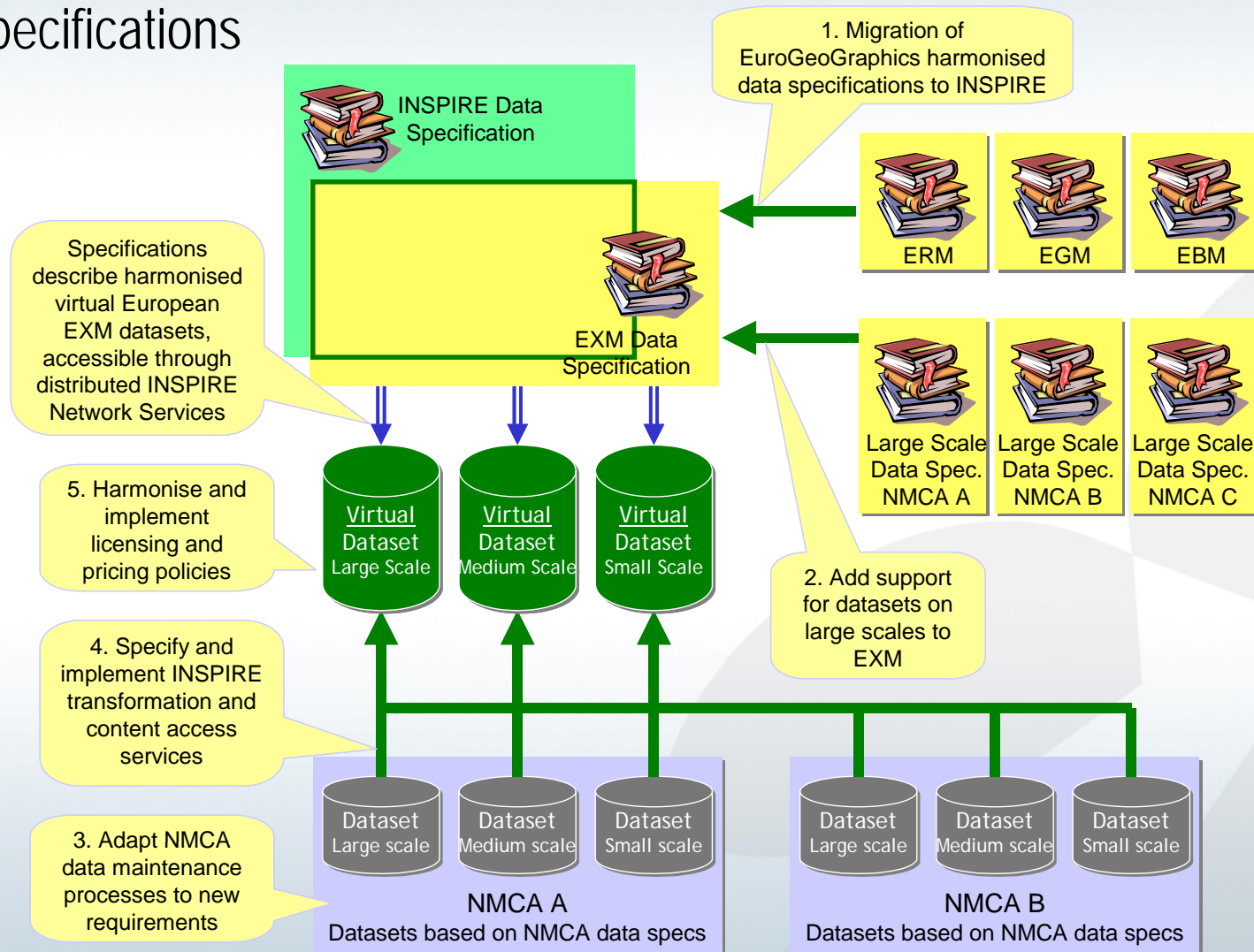


Key Goals

- Further the ambition of the European Commission to create a European Spatial Data Infrastructure (ESDI) building on the National Spatial Data Infrastructures (NSDI) in Member States.
- Help member states, candidate countries and EFTA States prepare their reference data for INSPIRE related to Annex I themes in coordinate reference systems, administrative boundaries, transport network, cadastral parcels, hydrography and geographical names

- Improve data access to partners data by **implementing and testing services based on distributed service architecture**
- As a results project will provide the **Data Specifications (ExM)** as a set of profiles of the INSPIRE Data Specifications for large, medium and small scales
- Build a best practice network of all related stakeholders

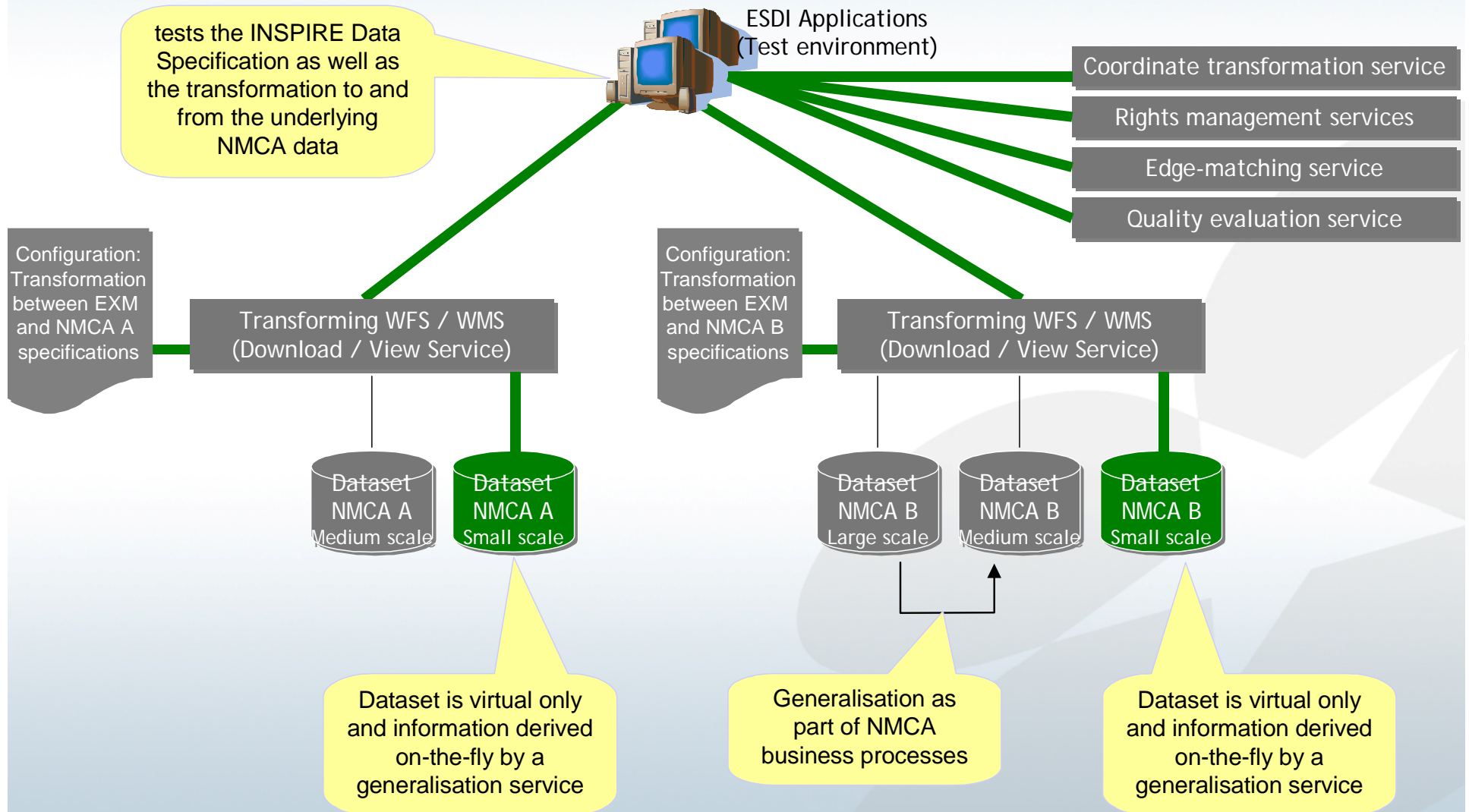
ExM Specifications



ExM Specifications and Guidelines

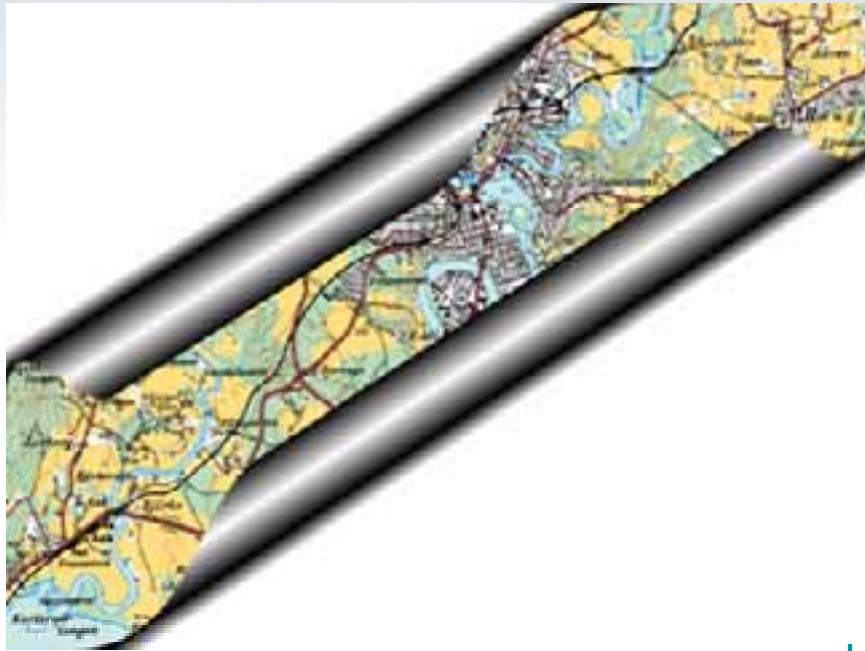
- EGM/ERM/EBM specifications migrated into framework of the INSPIRE Data Specifications – ExM Data specification ([medium/small scale](#))
- National specifications migrated into framework of the INSPIRE Data Specifications – ExM Data specification ([large scale](#))
- General Guidelines and rules completed by developed scripts and tools for Edge-matching and Map generalisation
- General specifications and guidelines for sustainable maintenance at the European level for Stable Unique Identifiers, Incremental update delivery and Geo Rights Management services
- Data policy and pricing guidelines
- Prepare guidelines for the creation of discovery metadata and data evaluation
- Develop a quality model.

Service Infrastructure



Implementing and testing Service Infrastructure

- Seamless INSPIRE- conformant access to the partners data through a distributed technical architecture
- Develop transforming services including co-ordinate transformation, schema transformations to ExM specifications,
- Test Geo-rights management services, edge-matching service and quality evaluation service
- Recommendations for putting results into sustainable operation



Any questions?

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