

EUROSPEC

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CONTENTS

- Aim Eurospec
- Background of Eurospec
- Eurospec vision,
- Objectives,
- Action plan.

EUROSPEC (1)

- AIM:
To achieve interoperability of European mapping (and other GI data) within 10 years
- Interoperability:
 - Technology
 - Pricing and licensing
 - Meta data
 - Partnerships
 - Eurospec's



EUROSPEC (2)

- Initiated by:
 - EuroGeographics (formely CERCO)
 - and
 - EuroSDR (formerly OEEPE)
- Inspired by the INSPIRE initiative.
- 3 meetings in 2003 (March, June, November)



EUROGEOGRAPHICS (1)

The Mission:

To represent Europe's National
Mapping Agencies (NMA's)
working for the European
Geographic Information
Infrastructure.



EUROGEOGRAPHICS (2)

- Network of European NMA's
- 36 members (2 missing)
- Objectives:
 - development of GI in Europe
 - influence decision making in Europe
 - facilitate cooperation between members
- www.eurogeographics.org



EUROGEOGRAPHICS (3)

- Working Groups
 - Legal
 - Geodesy
 - Databases
 - Quality
 - R&D Forum
- Projects
 - SABE
 - EuroGlobal Map
 - EuroRegional Map
 - La Clef / GDDD
 - Road Databases
 - Eurospec

EUROSDR (1)

- EuroSDR = European Spatial Data Research
- 18 member nations
- Research organisations, NMA's
- Mission:
Develop methods, systems and standards for the acquisition, processing, production, maintenance and dissemination of geo spatial information.



EUROSDR (2)

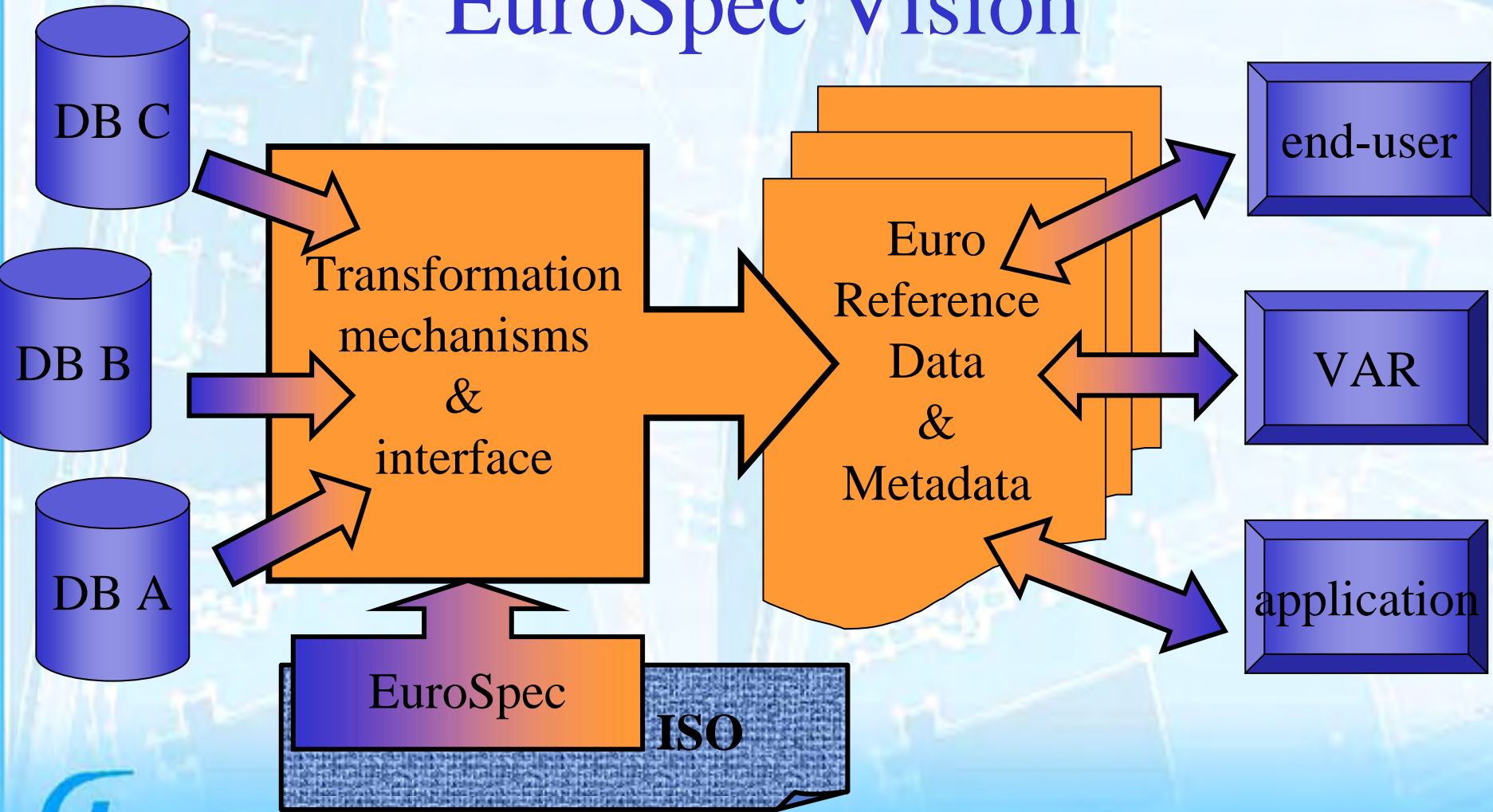
- Goal within Eurospec:
Solve R&D issues.
- new airborne mapping techniques
- www.euroedr.org

EuroGeographics Vision

- To achieve interoperability of European Mapping (and other GI) data within 10 years
- The goal is not to create one single centralised database, but is to implement specifications and services built upon a decentralised strategy within which a user can identify, transform, integrate and access the information they require when they want to.



EuroSpec Vision



“for a European Infrastructure” or the INSPIRE vision

- Data collected once and maintained where most effective
- Possible to combine seamlessly
- Information collected at one level shared with others



*necessity to reach beyond
EuroGeographics' membership*

Why this vision?

- INSPIRE – Framework legislation for an Infrastructure for Spatial Information in Europe
- Technology & ‘open’ standards
- Current method of producing pan-European data is costly and slow
- Link to database upgrades at the national level
- Increasing needs for cross border GI
- Increase markets



EuroSpec objectives (1)

- Develop agreed specifications (data model and data content) for reference data
- Build a community of key stakeholders (including customers, system and application developers, and other project partners) and involve them in the development and implementation testing of the specifications

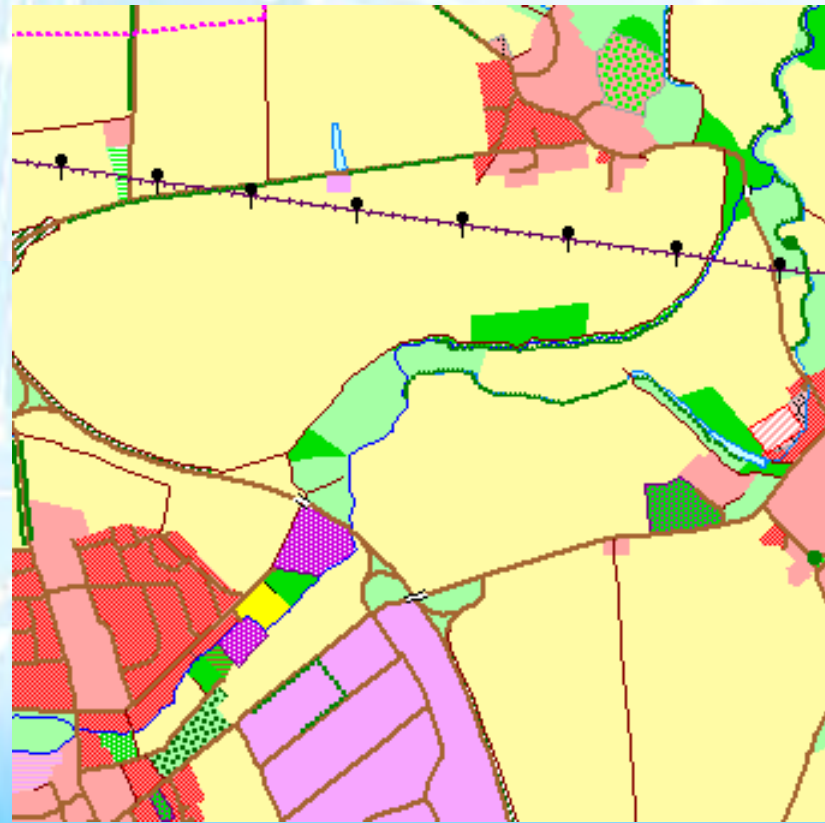
EuroSpec objectives (2)

- Test the feasibility of implementing the specifications through development of prototypes - “to learn by doing”; and,
- Develop implementation guidelines for NMA’s to ensure national datasets can be transformed to the European specification(s).

Example (I)

Buildings in the German database

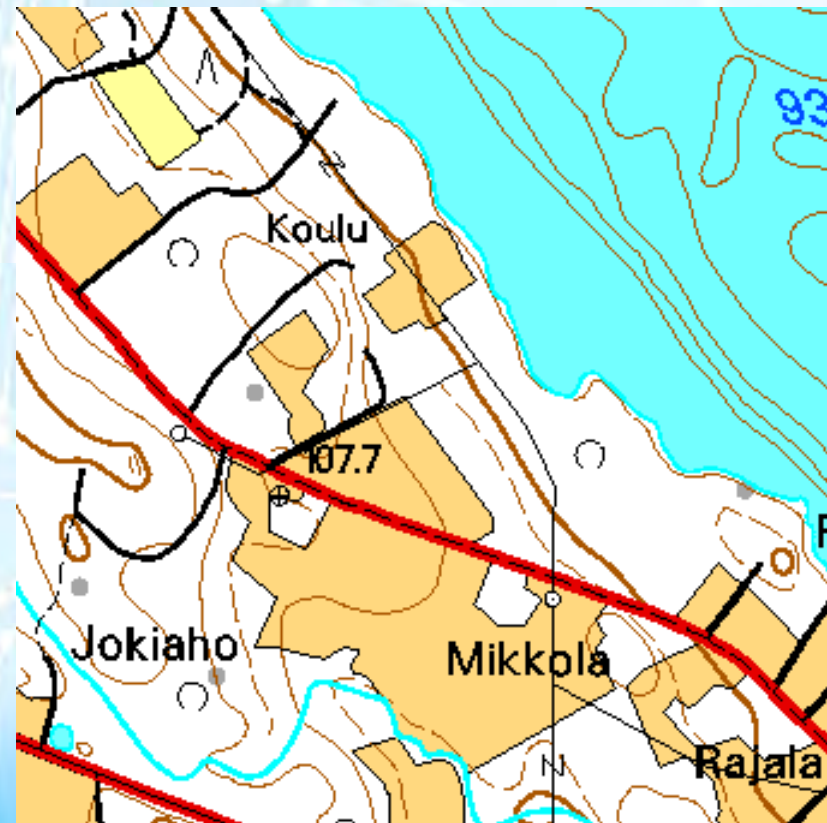
- Not yet available in ATKIS



Example (II)

Forest in the Finnish database

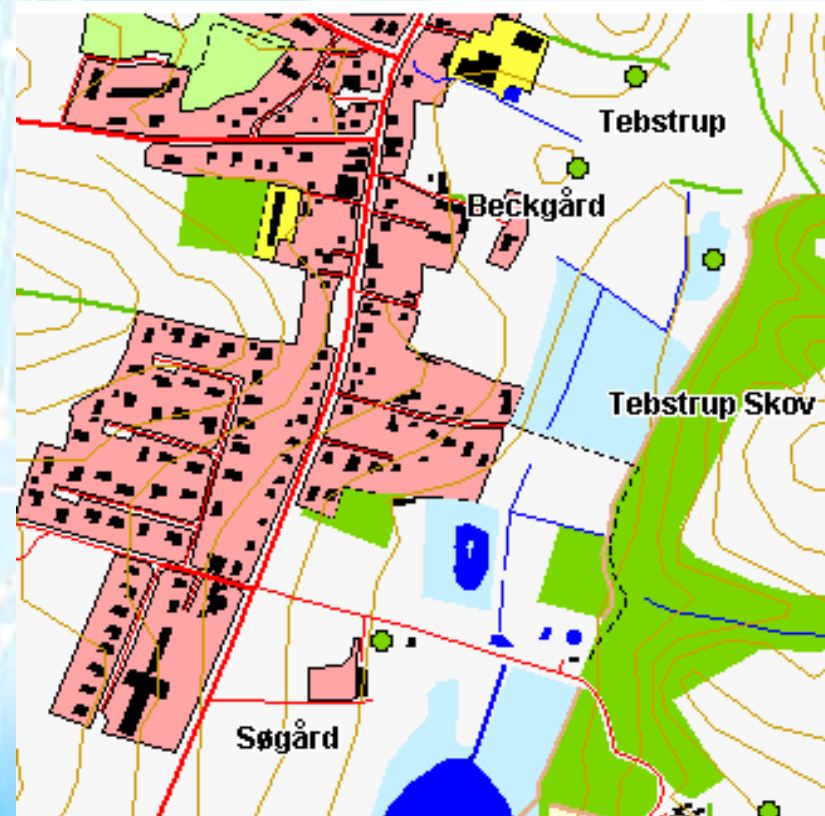
- Point feature, not Area



Example (III)

Grassland in the Danish database

- Not available in TOP10DK



Availability of Feature Types

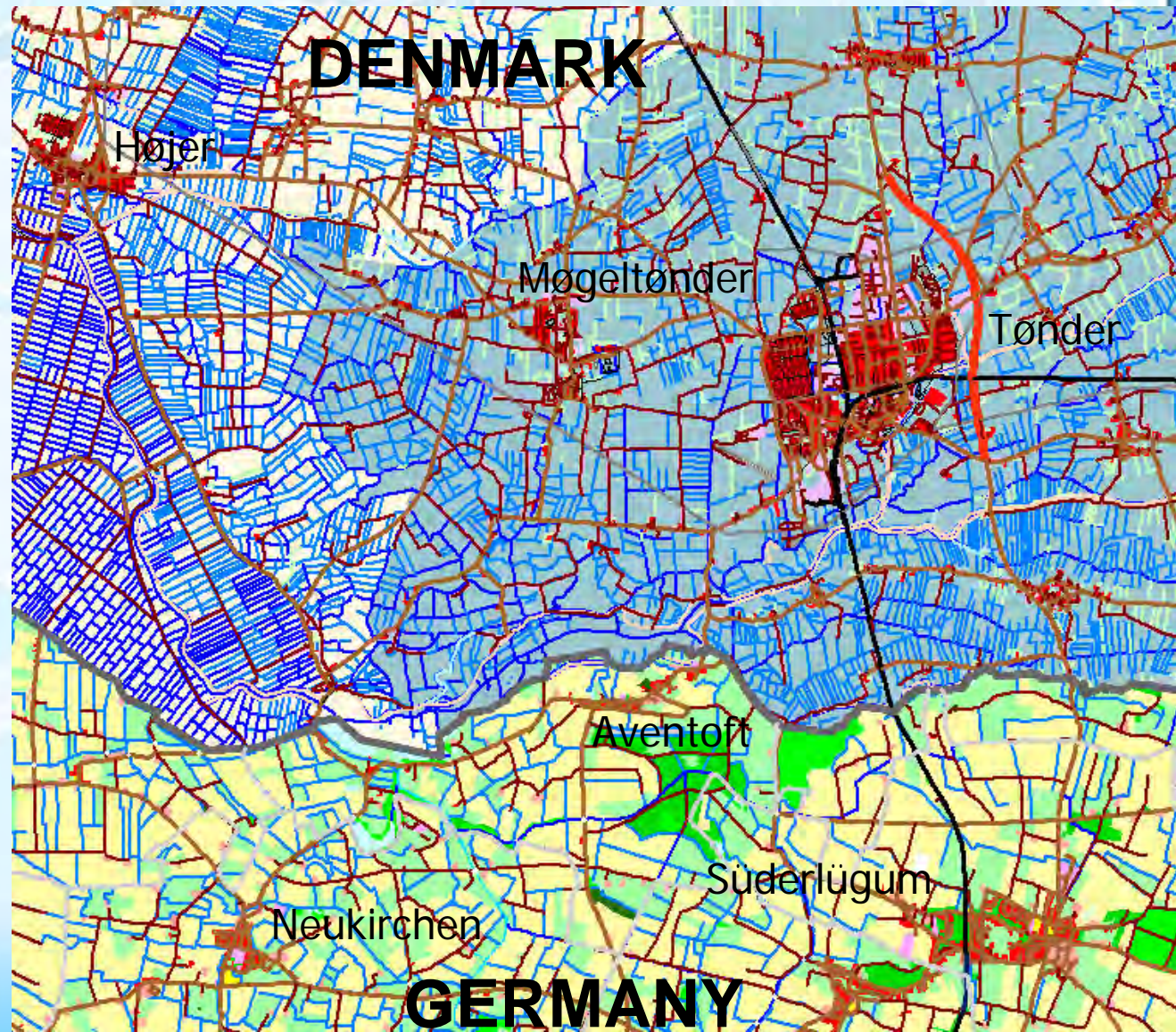
<i>Feature Group</i>	<i>Feature Type</i>	DK	FIN	GER	SWE
Settlements	Built-Up Area	Yes	No	Yes	Yes
	Building	Yes	Yes	No	Yes
Transport	Road	Yes	Yes	Yes	Yes
	Railway	Yes	Yes	Yes	Yes
	Trail / Footpath	Yes	Yes	Yes	Yes
	Airport / Airfield	Yes	Yes	Yes	Yes
Hydrography	Watercourse	Yes	Yes	Yes	Yes
	Lake / Pond	Yes	Yes	Yes	Yes
	Sea / Ocean	Yes	Yes	Yes	Yes
Vegetation	Marsh / Swamp	Yes	Yes	Yes	Yes
	Forest	Yes	No	Yes	Yes
	Cropland	No	Yes	Yes	Yes
	Grassland	No	Yes	Yes	Yes
	Park	Yes	Yes	Yes	Yes
Boundaries	Coastline / Shoreline	Yes	Yes	Yes	Yes
	Admin. Boundary	Yes	Yes	Yes	Yes
Height Names	Contour Line	Yes	Yes	No	Yes
	Named Location	Yes	Yes	No	Yes



Example

**Danish-German
border**

Hydrography;
Different
level of detail



Key work packages

- Business strategy (agree the shared vision)
- State of the art (assess where we are today)
- Understand user requirements
- Develop draft specifications
- Develop partnerships
- Prototyping (“learn by doing”)
- Implementation guidelines
- Management & funding

Goals 2003

- Agreed strategy
- High level specifications for the priority layers
- Established links to relevant projects
- Commitment from members!

DANK U !

- www.tdn.nl
- www.eurogeographics.org
- www.euroedr.org