

Een routebeschrijving voor de technische realisatie van INSPIRE

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Inhoud presentatie

- **Introductie**
- **Waar zijn we nu?**
 - Aanbevelingen werkgroep *Architecture and Standards*
- **Waar willen we heen?**
 - Proces-denken, bevorderen van consensus over *interoperability*
- **Hoe komen we daar?**
 - Vijf principes voor procesbeheersing
 - Strategie en actieplan

Introductie

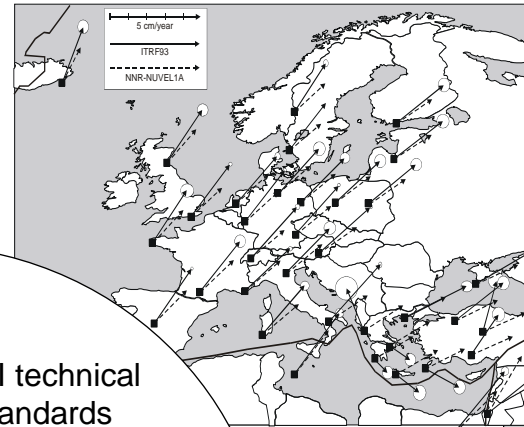
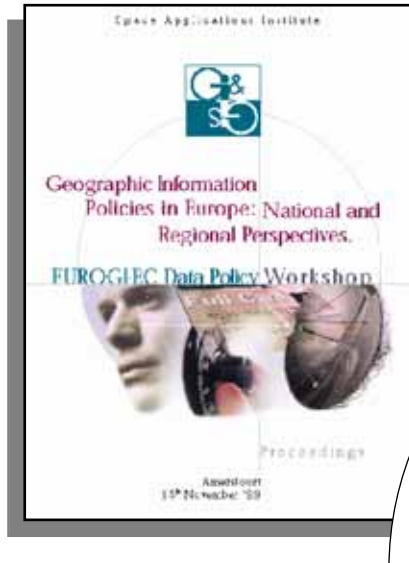
- **INSPIRE, een stukje geschiedenis**
 - 2001
 - Eerste INSPIRE Expert Group bijeenkomsten
 - Vorming van werkgroepen
 - Data Policy and Legal Issues (S. Carlyle)
 - Reference Data and Metadata (D. Rase)
 - Environmental Thematic Coordination (A. Lillethum)
 - Impact Assessment (A. Bregt)
 - Implementing Structures and Funding (H.E. Wiberg)
 - Architecture and Standards

Introductie

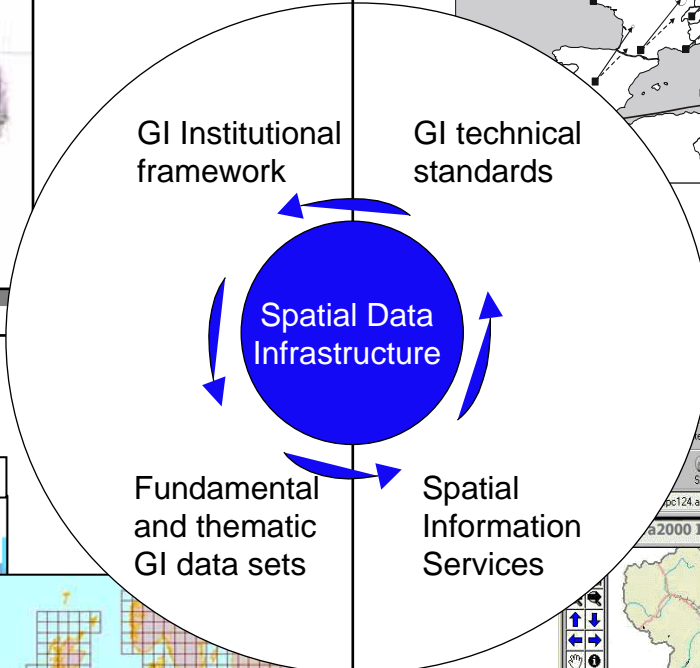
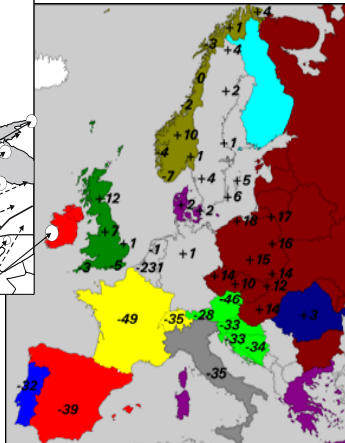
- **INSPIRE, een stukje geschiedenis**
 - 2002
 - INSPIRE Position Papers
 - Opheffing van bestaande werkgroepen, creatie van twee nieuwe:
 - Framework Definition Support
 - Implementing Strategies
 - 2003
 - Public Internet consultation
 - EC Inter-service consultation
 - EC adoptie INSPIRE, voorstel naar EP

European Spatial Data Infrastructure

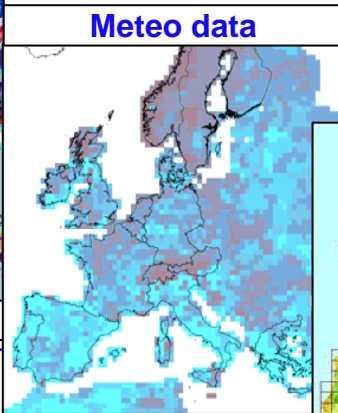
Different Policies and standards



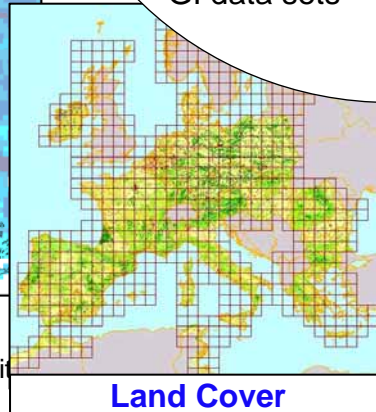
Different sea levels in Europe



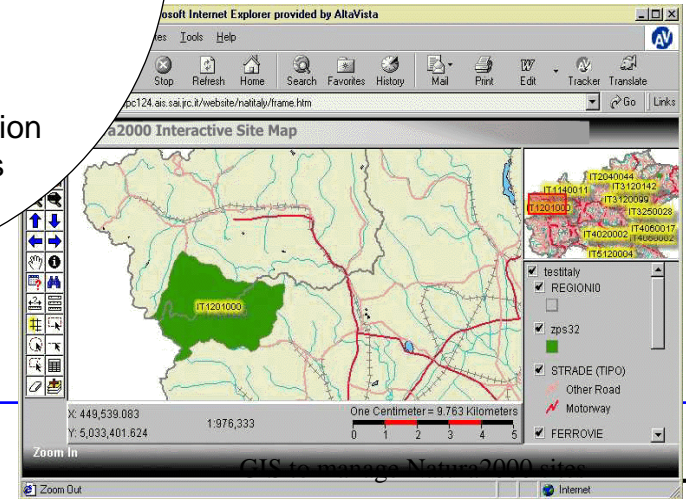
Catchments



Meteo data



Land Cover

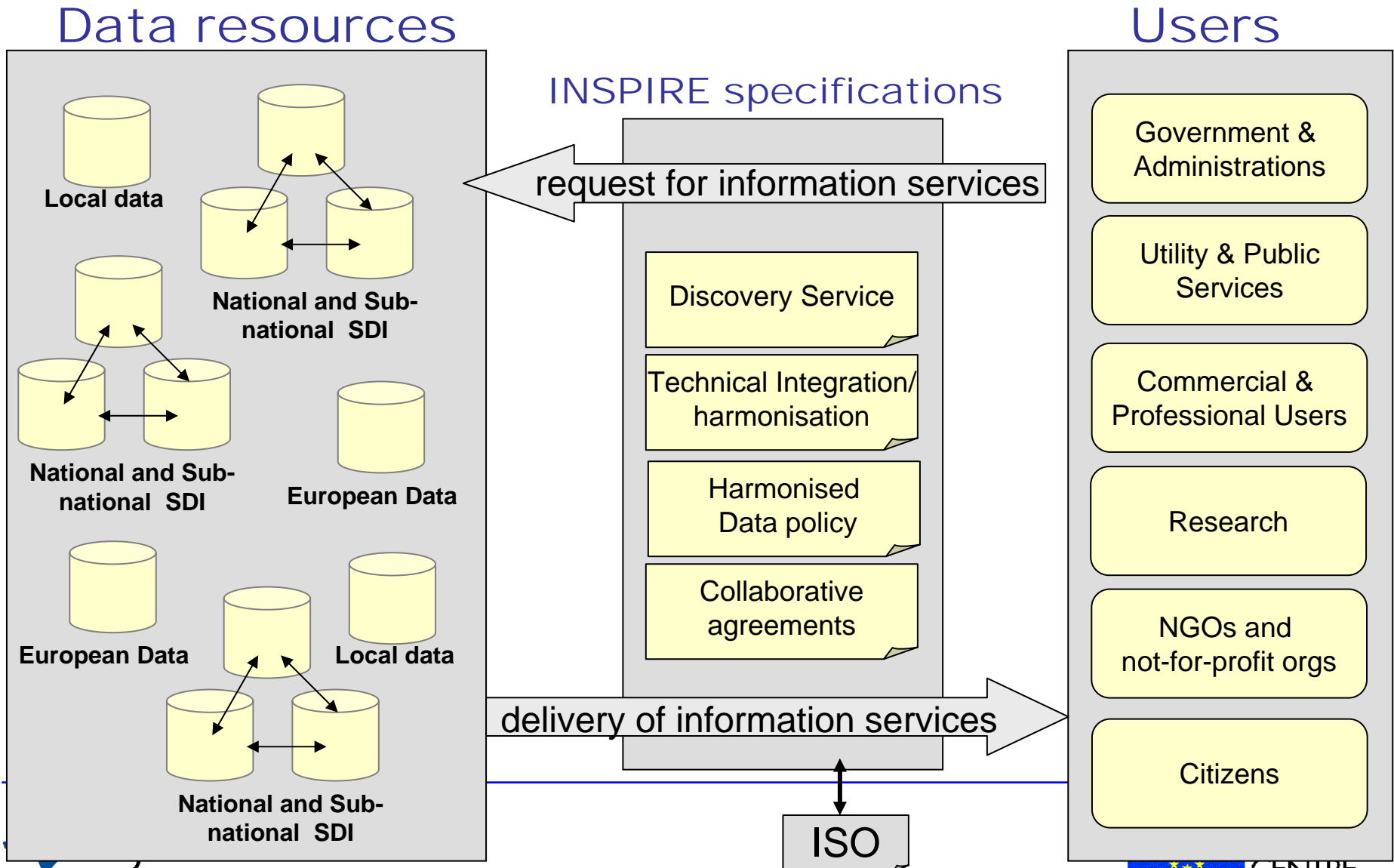


ies
 Need to create pan-European spatial data sets
 Environment and Sustainability

P. Smits

projecten, 12 Juni 2003, Utrecht

INSPIRE Information Flow



Introductie

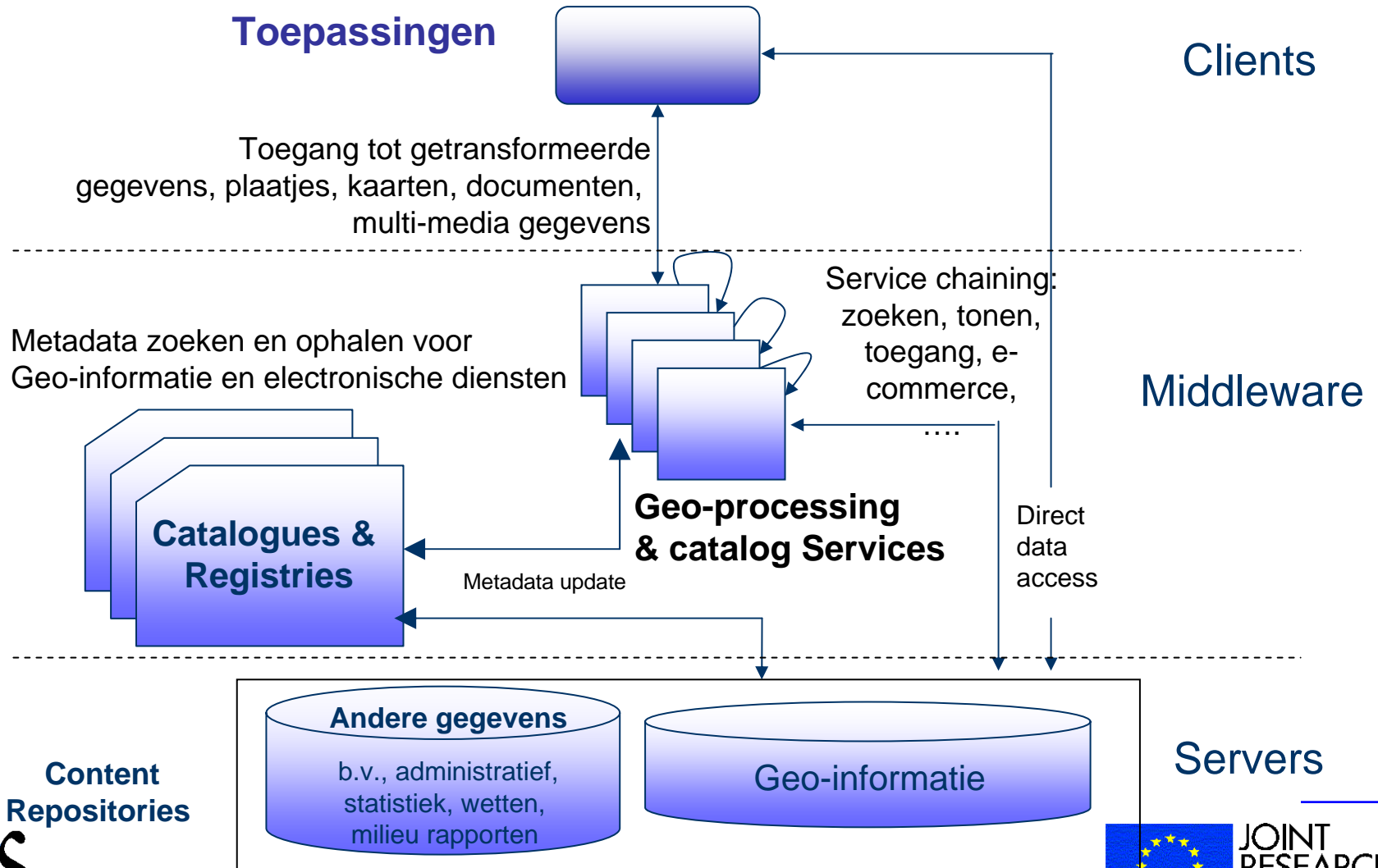
- **Techniek, sleutelbegrip: *interoperability***
 - *Vermogen van twee of meer autonome entiteiten (bijv. systemen, toepassingen, of gegevens) om met elkaar te communiceren en samen te werken op een betekenisvolle manier, ondanks verschillen in taal, context of inhoud. De interactie mag geen speciale inspanning vereisen.*

Waar zijn we nu?

- **Aanbevelingen van AST**

- INSPIRE zal de eisen formuleren voor een ESDI waaraan nationale SDIs kunnen voldoen
- Implementatie NSDIs verantwoordelijkheid van de lidstaten, en zal omvatten:
 - Metadata, Reference Data, Thematic Data
 - Afgeleide producten en elektronische diensten
- Technische Specificaties en Richtlijnen
- EU Geo-Portal
- INSPIRE Procurement Guidelines

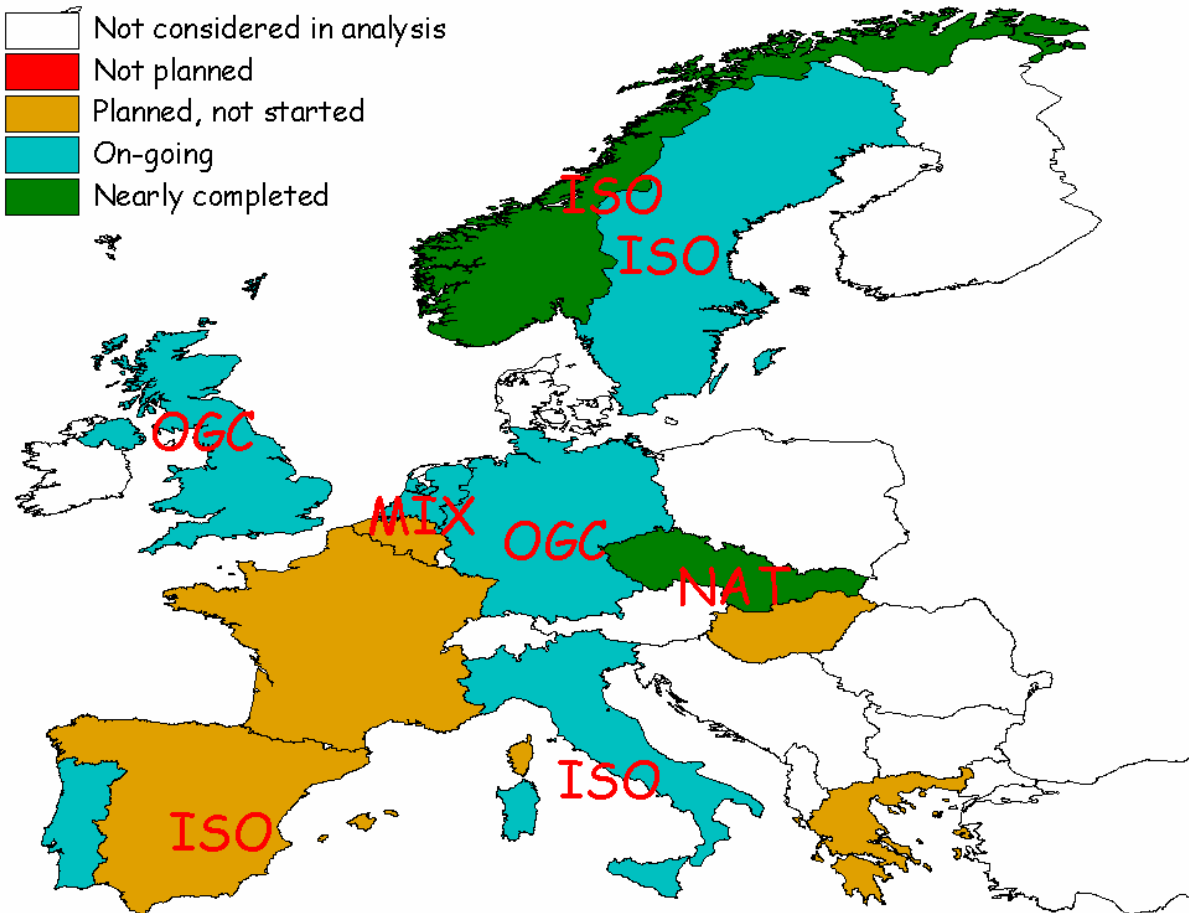
Waar zijn we nu?



Waar zijn we nu?

Services

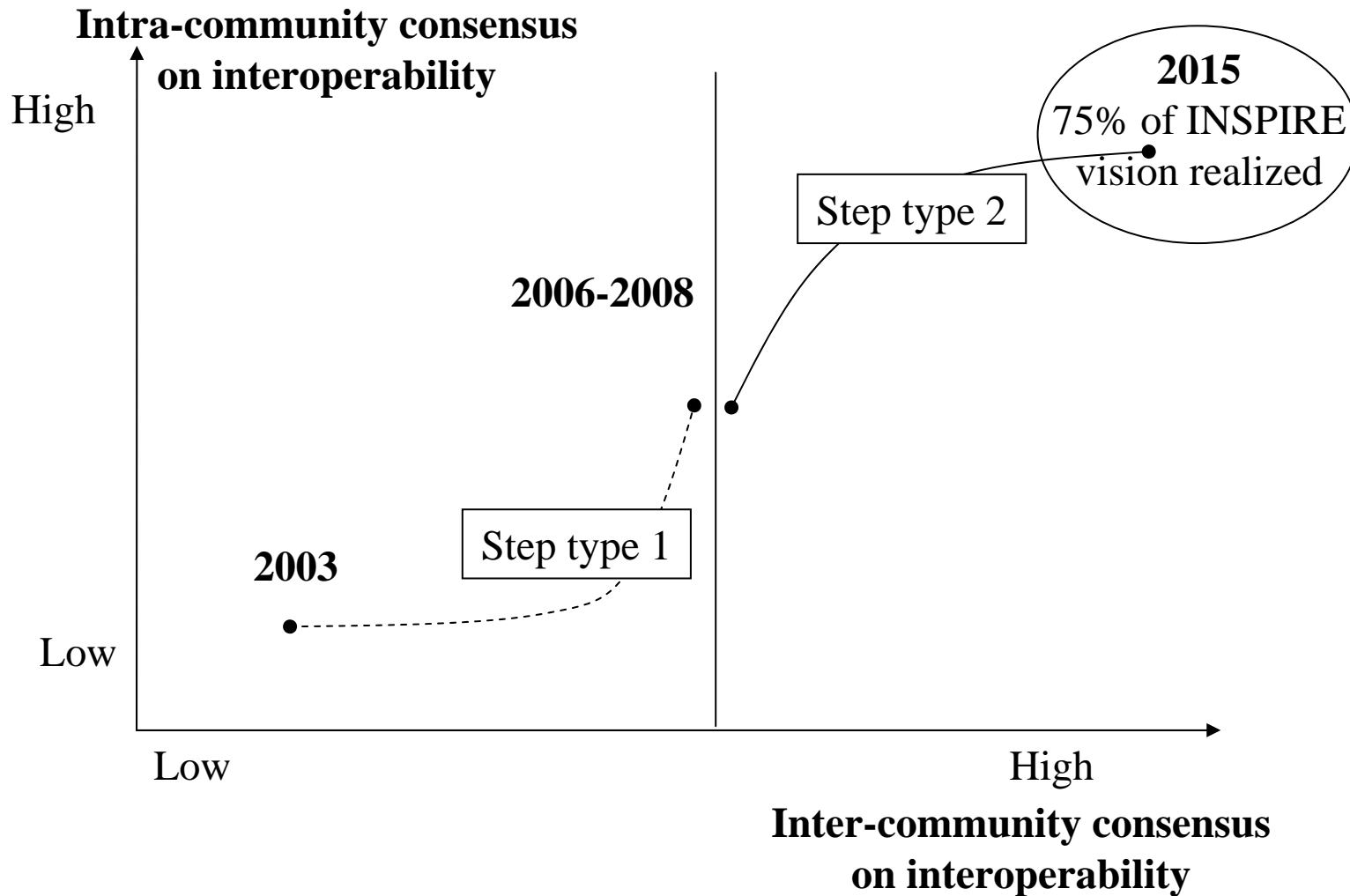
- Not considered in analysis
- Not planned
- Planned, not started
- On-going
- Nearly completed



Waar zijn we nu?

- **Interoperability is geïdentificeerd als een wezenlijk onderdeel van INSPIRE**
- **Proces om interoperability te bereiken niet duidelijk**
- **consensus on interoperability**
 - Intra-community
 - Inter-community

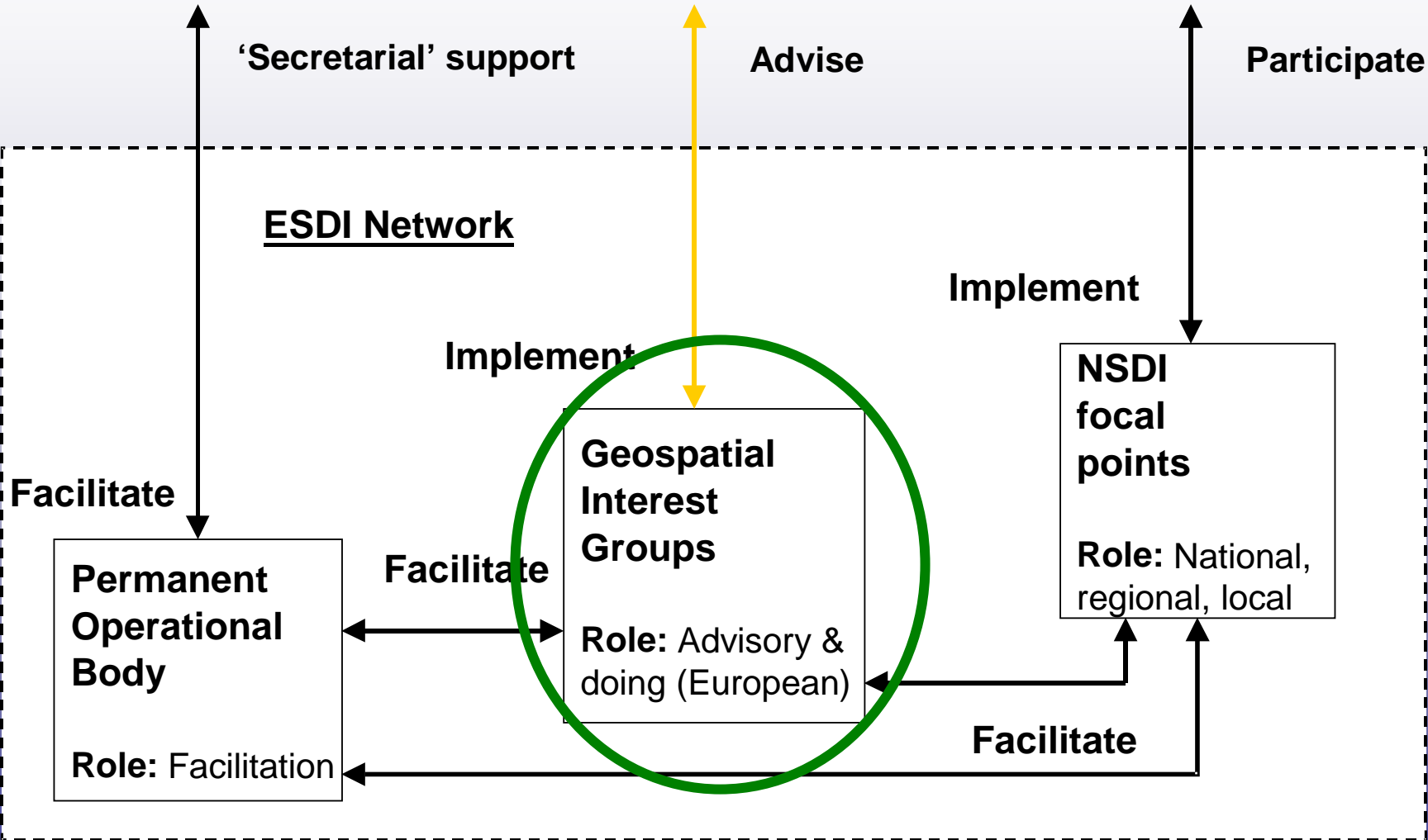
Waar zijn we nu?



Waar willen we heen?

- **Proces-denken**
 - Consensus over *interoperability*
- **Proces beheersing**
 - Standard wijze om INSPIRE stap voor stap te implementeren

ESDI Committee
Role : Set high level strategic direction and monitor implementation of framework

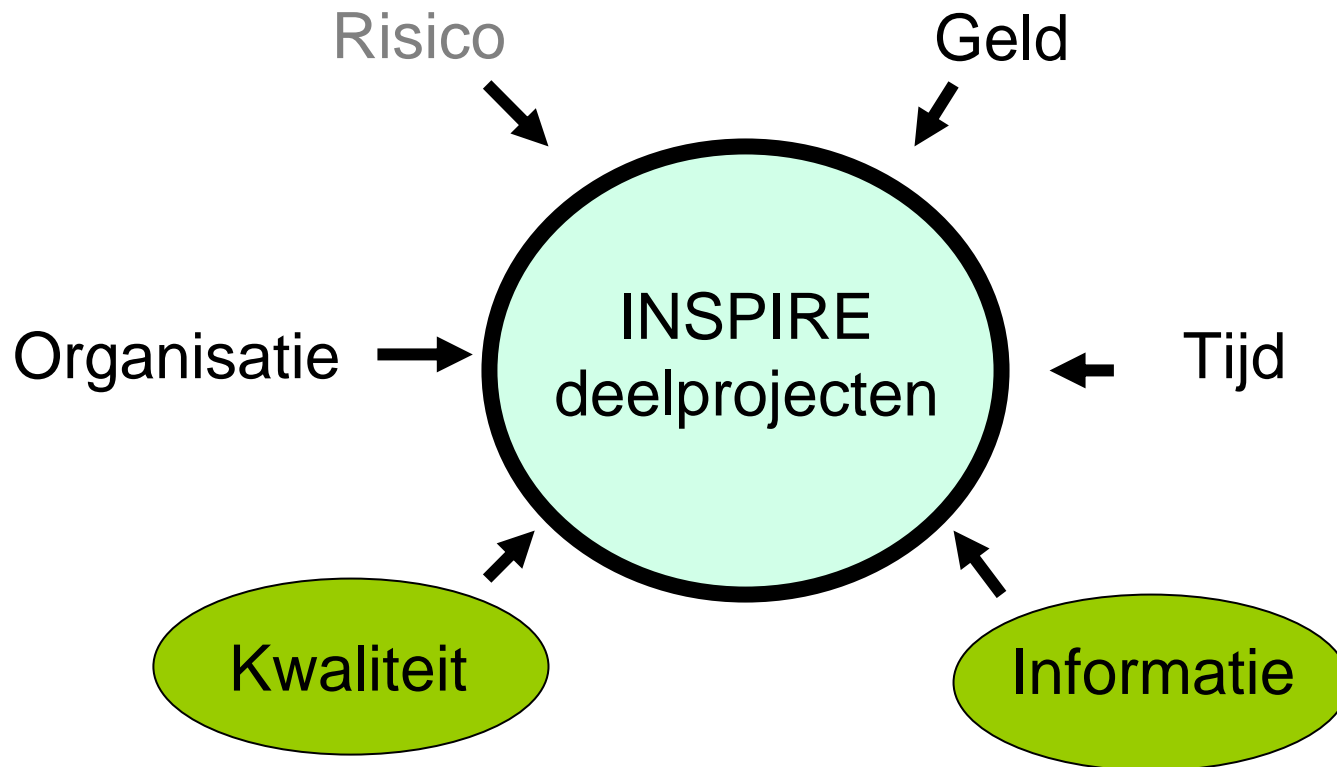


Hoe komen we daar?

- Relevant aantal grote IT projecten faalt
- Vervang falend project met veel maar kleinere iteratieve successen
 - INSPIRE specificaties voor inhoud en services wordt gedreven door harmonisatie proces dat het vermogen heeft om van fouten te leren
- Stroomlijn schaarse hulpbronnen, en bevorder werkmethoden die het beste de management- en onderhoudskosten beheersen
- INSPIRE activiteiten kunnen en zullen falen maar mechanismen zijn nodig om van fouten te leren zonder ze te herhalen

Hoe komen we daar?

Projectbeheersing



Hoe komen we daar?

Vijf principes voor procesbeheersing

1. Content/Service-teams vormen de onderliggende organisatie
 - a. Actieve betrokkenheid gebruikers en experts
 - b. Bepaal een herhaalbaar proces voor product- en dienst specificatie
2. Eisen aan de ESDI worden vastgelegd op een hoog niveau
3. Iteratieve en stapsgewijze ontwikkeling nodig om aan informatiebehoefte te voldoen
4. Alle veranderingen gedurende de ontwikkeling kunnen worden geverifieerd
5. Houding van samenwerking is essentieel

Hoe komen we daar?

- **Twee fasen**
 - pre-implementatie fase (2003-2007?)
 - implementatie fase (2007-2015)
- **Beperkte beheersing van tijd, geld, kwaliteit, informatie, en organisatie in pre-implementatie fase**
- **Alle acties moeten mogelijkerwijs bijdragen als bouwstenen aan de ESDI**
- **Test het proces van procesbeheersing op nationaal en Europees niveau**

Hoe komen we daar?

- **Korte termijn strategie**

1. Zorg voor een centraal informatiepunt
2. **Demonstreer interoperability**
3. Organiseer **en test** het **proces** van *intra-community consensus building*
4. Ontwikkel **GI standaards** verder
5. Ontwikkel relaties met de bredere context (e-Europe, e-Government)

Hoe komen we daar?

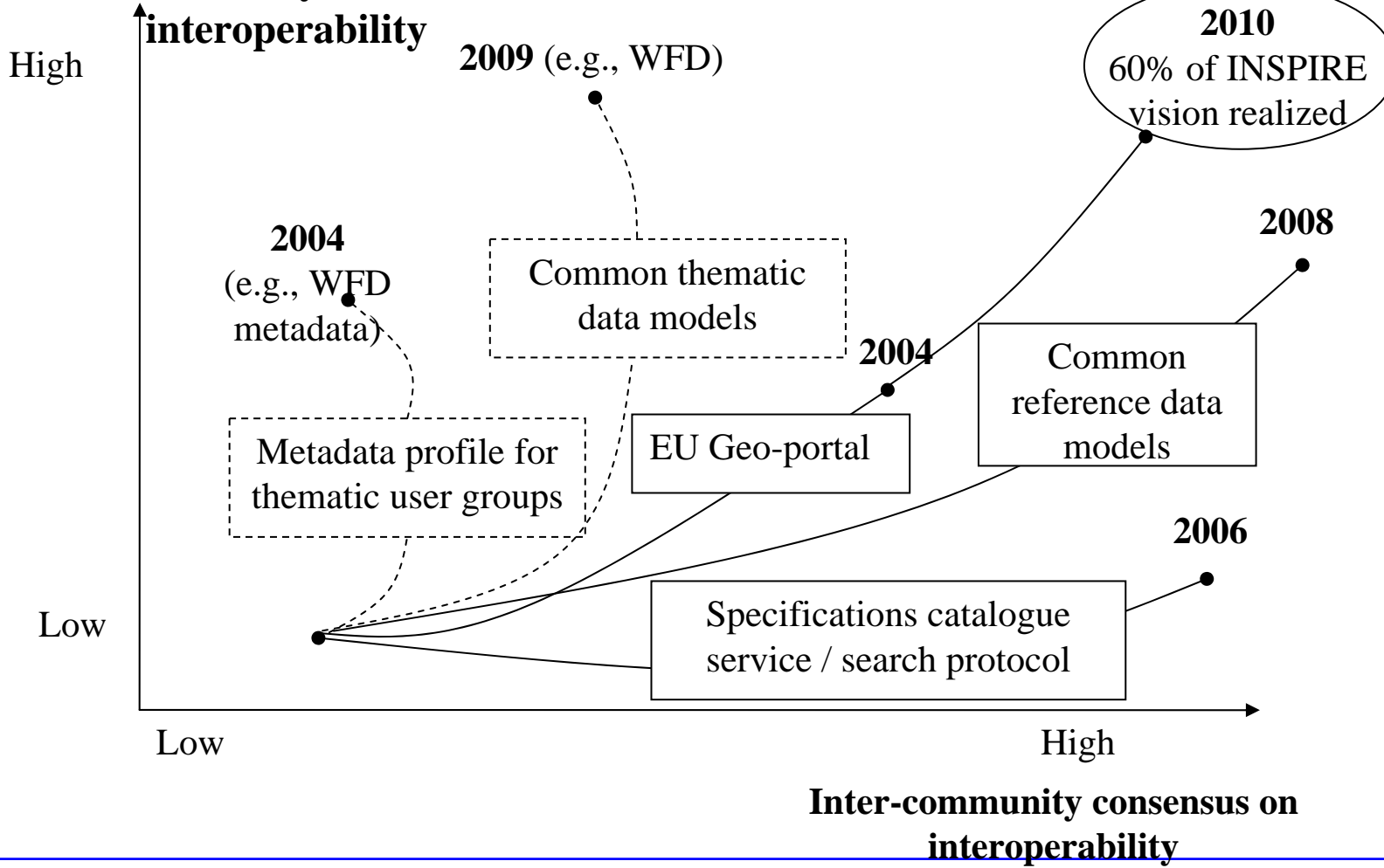
- **Actieplan, korte termijn**
 - INSPIRE metadata profile for discovery (study and workshop) - EUROSTAT, JRC
 - Revive CEN/TC287
 - Establish relationship with the e-Europe Steering Group
 - EuroSpec second workshop
 - CEN Workshop Agreements
 - FP6 Integrated Project, Application based on INSPIRE principles.

Hoe komen we daar?

- **Actieplan, korte termijn**
 - EU Geo-Portal prototype
 - INSPIRE Technical Guidelines (Cookbook), first version
 - INSPIRE reference grid and methods to transform data
 - INSPIRE standard for the European Vertical Reference System (workshop)
 - Networking with winners in relevant FP6 action lines

Hoe komen we daar?

Intra-community consensus on



More Information

EUROPA - Environment - Geographic Information in support of Environmental Policy - Microsoft Internet Explorer

Address: <http://europa.eu.int/comm/environment/geo/index.htm>

Environment

EUROPA > European Commission > Environment > Policies > Land Use > GIS

Geographic information in support of Environmental Policy

The Sixth Environmental Action programme identifies better information as one of the keys to improve Environmental policy in the next decade. Geographic information plays a special role here, because of its potential to present information in a lively and understandable way to citizens and stakeholders. The Commission is currently preparing two new initiatives to stimulate the availability of environmental information: INSPIRE (Infrastructure for Spatial Information in Europe) and GMS (Global Monitoring for Environment and Security). Implementation of these initiatives will represent an important support to some of the key approaches advocated in the sixth Environmental Action Programme:

- Ensure the implementation of existing environmental legislation;
- Integrate environmental concerns into all relevant policy areas;
- Ensure better and more accessible information on the environment for citizens;
- Develop a more environmentally conscious attitude towards land use.

Both initiatives are broader than environment only, but for both, support to environmental policy is one of the key objectives.

INSPIRE

The INSPIRE initiative concerns the preparation of Community legislation that aims at making available relevant, harmonised and quality geographic information for the purpose of formulation, implementation, monitoring and evaluation of Community environmental policy-making and for the citizen. Furthermore, by establishing from the onset cross-sectoral co-ordination mechanisms, the initiative wants to ensure that in the longer term, INSPIRE can evolve into a broader cross-sectoral initiative. INSPIRE therefore aims in the longer term to provide geographic information for the purpose of Community policy-making in a broad range of sectors, such as transport, agriculture, etc. thereby contributing to the integration of environmental considerations in these sectors.

<http://europa.eu.int/comm/environment/geo/index.htm>

<http://www.ec-gis.org/inspire/>

INSPIRE: The Infrastructure for Spatial Information in Europe - Microsoft Internet Explorer

Address: <http://www.ec-gis.org/inspire/>

INSPIRE: INfrastructure for SPatial InfoRmation in Europe

INSPIRE (Infrastructure for Spatial Information in Europe) is a recent initiative launched by the European Commission and developed in collaboration with Member States and accession countries. It aims at making available relevant, harmonised and quality geographic information to support formulation, implementation, monitoring and evaluation of Community policies with a territorial dimension or impact.

INSPIRE Information Flow

The diagram illustrates the flow of information between Data resources, INSPIRE specifications, and Users. Data resources (Local data, National and Sub-national SDI, European Data) provide information services to Users (Government & Administrations, Utility & Public Services, Commercial & Professional Users, Research, NGOs and not-for-profit orga, Citizens) through INSPIRE specifications (Discovery Service, Technical Integration/harmonisation, Harmonised Data policy, Collaborative agreements). The process is supported by ISO and the SDI - Spatial Data Infrastructure.

INSPIRE is a legal initiative of the EU that will address technical standards and protocols, organisational and co-ordination issues, data policy issues including data access and the creation and maintenance of spatial information.

INSPIRE is the first step of a broad multi-sectoral initiative, that will initially focus on spatial information needed for environmental policies and that will be open for needs of other policy areas, such as agriculture and transport.