



INSPIRE

Danish perspectives

Jes Ryttersgaard

National Survey and Cadastre, Denmark



-
1. Initial remarks
 2. The Danish e-governement initiative
 3. INSPIRE-Denmark
 4. Synergi
 5. Conclusions

UN Global E-government Survey 2005

Table 3.2. E-government readiness index rank changes 2003-2005

<i>Country</i>	<i>2005</i>	<i>2004</i>	<i>2003</i>	<i>Change 2005-2004</i>	<i>Change 2005-2003</i>
United States	1	1	1	0	0
Denmark	2	2	4	0	2
Sweden	3	4	2	1	-1
United Kingdom	4	3	5	-1	1
Republic of Korea	5	5	13	0	8
Australia	6	6	3	0	-3
Singapore	7	8	12	1	5
Canada	8	7	6	-1	-2
Finland	9	9	10	0	1
Norway	10	10	7	0	-3
Germany	11	12	9	1	-2
Netherlands	12	11	11	-1	-1
New Zealand	13	13	14	0	1
Japan	14	18	18	4	4
Iceland	15	14	15	-1	0
Austria	16	17	21	1	5
Switzerland	17	15	8	-2	-9
Belgium	18	16	23	-2	5
Estonia	19	20	16	1	-3



GEODATA

THE BACKBONE IN EFFECTIVE DIGITAL ADMINISTRATION

Quotation from the Danish E-government homepage



PRELIMINARY OBSERVATION

The general e-government developments in Denmark concerning data, architecture are in harmony with the INSPIRE proposal



E-GOVERNMENT

The e-government project is based on the idea:
that the responsibility for the implementation of e-Government
is at the decentral level,
that consensus between stakeholders is more efficient than
legislation.

But there is a need for common guide lines and solutions
to general problems of legal, technical, and organizational
nature in order to support the transition process.



E- GOVERNMENT

pragmatism - regulation

- With e-government one becomes very much dependent
- on access to data via standardised interfaces,
 - that data is updated regularly in accordance with approved standards,
 - that nationwide data sets are available,
 - that common keys exist and are maintained,
 - that users and providers respects technology standards,

infrastructure for e-government

is infrastructure for spatial information an "add on"

The Danish e-Government initiative

The Ministry of Finance

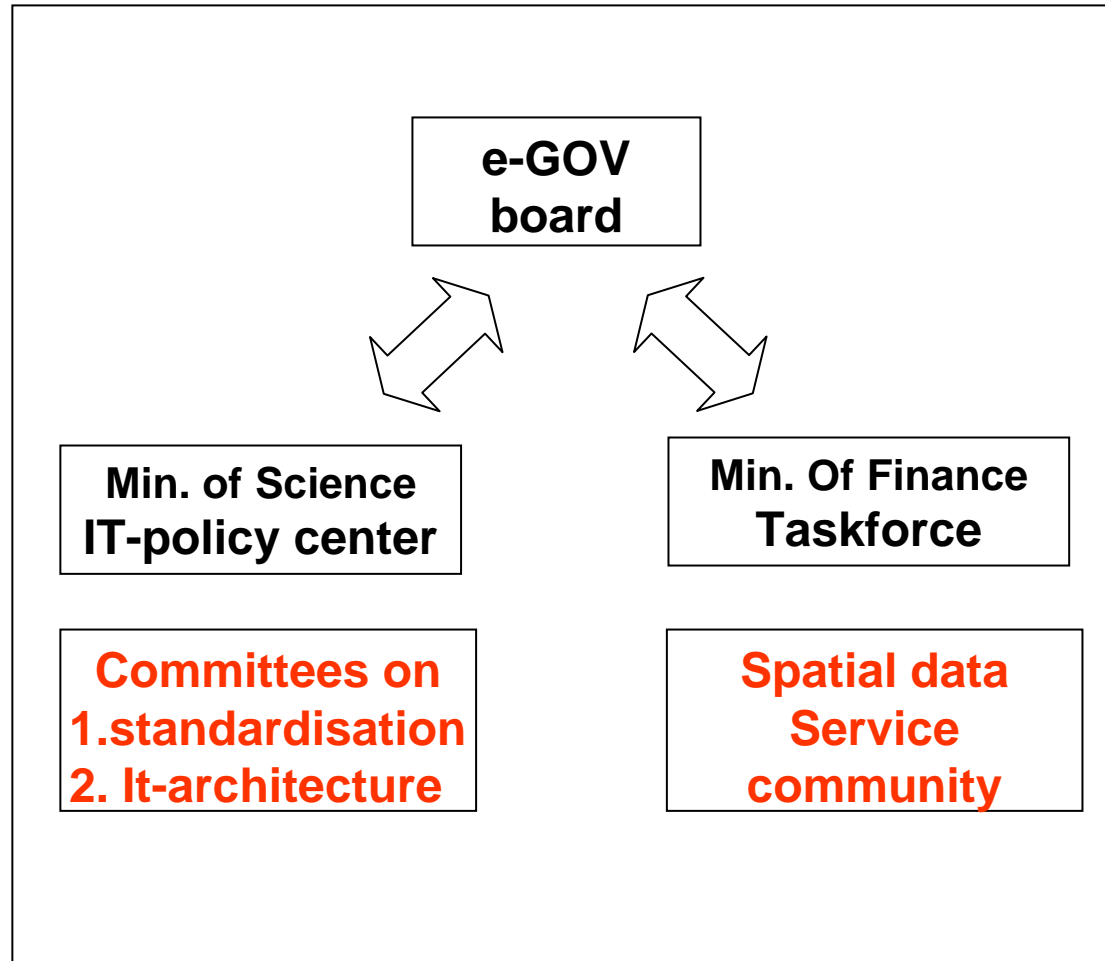
Local Government
The Association of
County Councils

The Ministry of:

- Science, Technology and Innovation
- Economic and Business Affairs,
- Interior Affairs and Health,
- Justice,
- Taxation

.....
DANISH MINISTRY
OF THE ENVIRONMENT

National Survey
and Cadastre

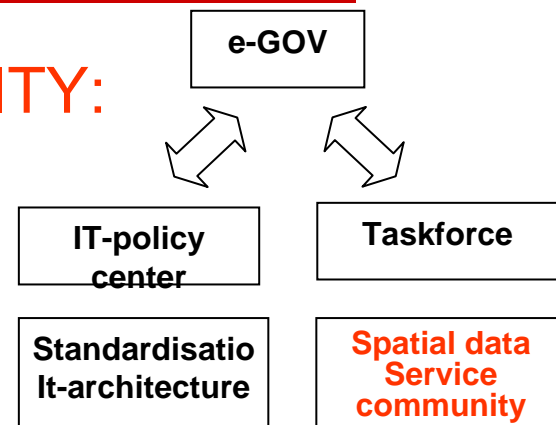


DANISH INITIATIVE 1

task force driven activity

SPATIAL DATA SERVICE COMMUNITY:

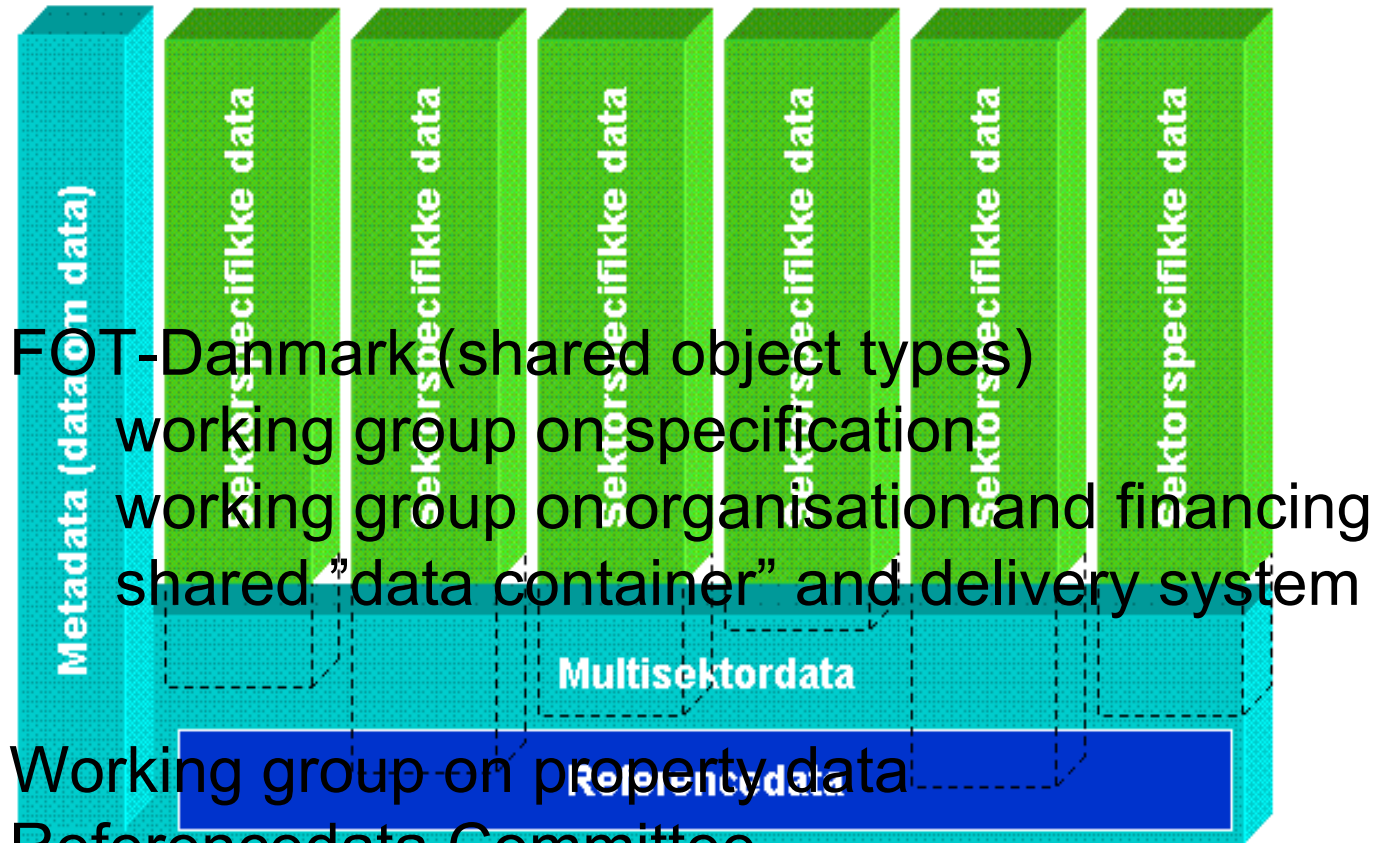
- *the Ministry of Environment,*
- *Local Government Denmark,*
- *the Association of County Councils,*
- *the National Agency for Enterprise and Housing,*
- *the Directorate for Food, Fisheries and Agricultural Business*
- *the Ministry of Science, Technology and Innovation*
- *the National Survey and Cadastre (KMS)*





DANISH INITIATIVE 1 cont.

Spatial Data Service Community activities



The Danish infrastructure model



DANISH INITIATIVE 2

IT-policy Center activities

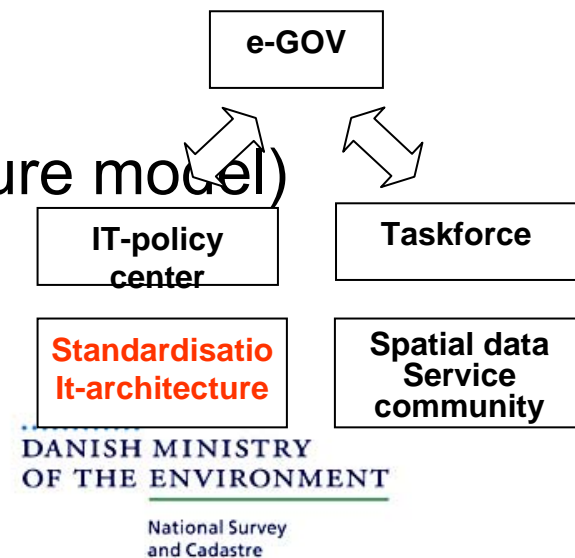
Infostrukturbasen -repository for services and xml schemaes

OIO - Committee on standardization of data,
Committees on standardization of domain specific data

The first Danish GML- standard has been approved.

OIO - Committee on IT-architecture,
Catalogue on public IT-standards

OWSA-T (public webservice architecture model)



DANISH INITIATIVE 4

INSPIRE COMMITTEE:

National Survey and Cadastre, Denmark
Ministry of Environment,
National Agency for Enterprise and Construction,
Ministry of Food, Agriculture and Fisheries,
Ministry of Transport
Ministry of Science, Technology and Innovation,
Danish Meteorological Institute,
Statistics Denmark,
Local Government Denmark and
The Association of County Councils in Denmark
Geoforum - Observer

GMES

.....
DANISH MINISTRY
OF THE ENVIRONMENT

National Survey
and Cadastre

FURTHER INFORMATION

WWW.INSPIRE-DANMARK.DK





POSSIBLE DANISH IMPLEMENTATION OF INSPIRE COMPONENTS

1. Metadata
2. Interoperability of datasets and services (data)
3. Network services (architecture)
4. Data and service sharing (economy and rights)
5. Monitoring and reporting



POSSIBLE ACTIONS

1. METADATA

Cooperation with the metadata WORKING GROUP (SDSC)

2. INTEROPERABILITY OF DATASETS AND SERVICES

Reference-data committee

Shared Object Types- (FOT) framework

OIO-committee on standards

3. NETWORK SERVICES (ARCHITECTURE)

Cooperation with the OIO-committee on IT-architecture

4. DATA AND SERVICE SHARING

Cooperation with the parties involved in PSI and

5. MONITORING AND REPORTING

?



CONCLUSION - 1

The general development in Denmark is in harmony with the actual INSPIRE proposal

The necessary organisational structures for a sustained implementation of INSPIRE are in place.

Next step will be to organize the stakeholders involvement in the preparatory part of the implementation

There is conformity and harmony between the e-government and the INSPIRE infrastructures .



CONCLUSION - 2

The implementation of e-government initiatives in the member states proceeds independent of what happens to INSPIRE.

A delay in the development of the implementing rules may disturb the interoperability between INSPIRE and the national e-government infrastructures.







CONCLUSION - 3





DANISH INITIATIVE 3

TECHNOLOGY - EXAMPLES

The Public Informationserver

The Environmental Portal (www.miljoeportal.dk)

The Map Supply – WMS/WFS services based access to data in KMS

MiniMAKS - New cadastral application based on SOA (serviced oriented architecture)

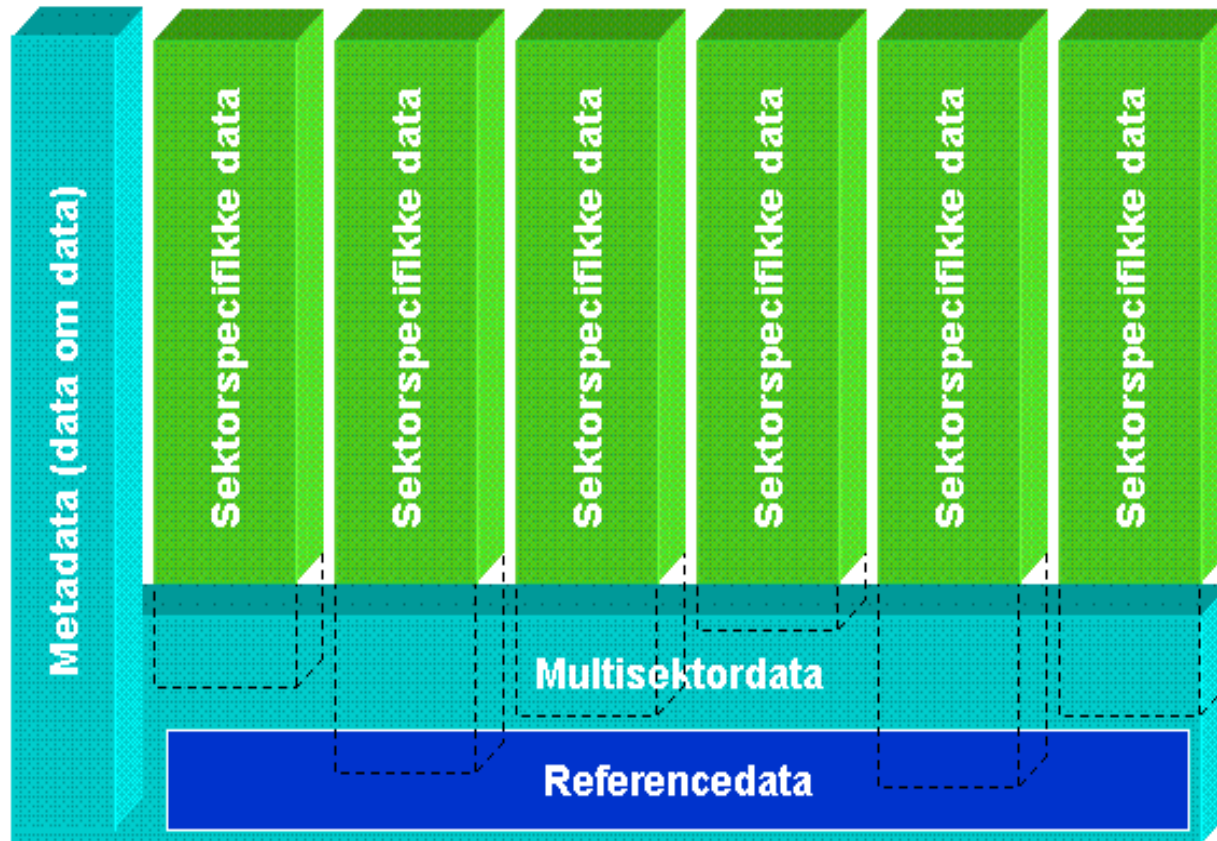
e-TL – digital and automated Land Registry based on SOA

UN Global E-government Survey 2005

Table 3.6. E-government readiness rankings: Europe

	<i>Country</i>	<i>Index</i> 2005	<i>Global Rank in:</i>		<i>Change</i>
			2005	2004	
1	Denmark	0.9058	2	2	0
2	Sweden	0.8983	3	4	1
3	United Kingdom	0.8777	4	3	-1
4	Finland	0.8231	9	9	0
5	Norway	0.8228	10	10	0
6	Germany	0.8050	11	12	1
7	Netherlands	0.8021	12	11	-1
8	Iceland	0.7794	15	14	-1
9	Austria	0.7602	16	17	1
10	Switzerland	0.7548	17	15	-2
11	Belgium	0.7381	18	16	-2
12	Estonia	0.7347	19	20	1
13	Ireland	0.7251	20	19	-1

DANISH INITIATIVE 1 cont.



The Danish infrastructure model



DANISH INITIATIVE 1 cont.

SPATIAL DATA SERVICE COMMUNITY ACTIVITIES

FOT-Danmark (shared object types)

working group on specification

working group on organisation and financing

shared "data container" and delivery system

Working group on "new thinking" of property data

Referencedata Committee