

Prælude

Free Geographic Basic Data

A driver for growth and efficiency
both in
private and public Economy



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Agenda



1. Introduction
2. The Danish eGovernment Strategy 2011-2015
3. Good Basic Data for everyone
4. Effectstudy
5. Conclusions

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1. Introduction

1.1 Basic key-points

Digital solutions in the public sector are vital tools to maintain the Danish welfare society in the future

Adoption and acceleration of new digital solutions and optimizing existing digital shall contribute to

- A more efficient public sector
- Create growth in the private sector

The basic data, that is needed for good management / administration, shall be available under conditions, that do not prevent its widespread use – digital basic data has to be in "game" to create value

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2. The Danish eGovernment Strategy 2011-2015

2.1 eGovernment Strategy – Background

2.2 Strategic societal goals

2.3 Three main tracks

2.4 Selected focus areas – in a geodata perspective



"Adoption of digital solutions
- providing welfare"

THE DIGITAL PATH
TO FUTURE WELFARE

eGOVERNMENT STRATEGY 2011-2015

THE DANISH GOVERNMENT/DANISH REGIONS/
LOCAL GOVERNMENT DENMARK
AUGUST 2011

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2. The Danish eGovernment Strategy 2011-2015

2.1 eGovernment Strategy – Background

Due to the global financial crisis state budgets has turned into deficits

Both the public sector services and the private sector profitability is under pressure

The public sector is expected to manage better service with smaller budgets and the private sector is expected to increase employment and tax base

There is a political consensus that adoption of new digital solutions can contribute to a more efficient public sector and create growth in the private sector

2. The Danish eGovernment Strategy 2011-2015

2.2 Strategic societal goals

Hardcore

- To create more welfare by less costs: Capitalization of public digital efforts – "value for money"

Softcore

- A more efficient public administration: Accelerate the adoption on and optimizing digital solutions in the public sector
- Provide a basis for growth in the private sector: Simplified digital dialogue with the public sector and free use of basic data

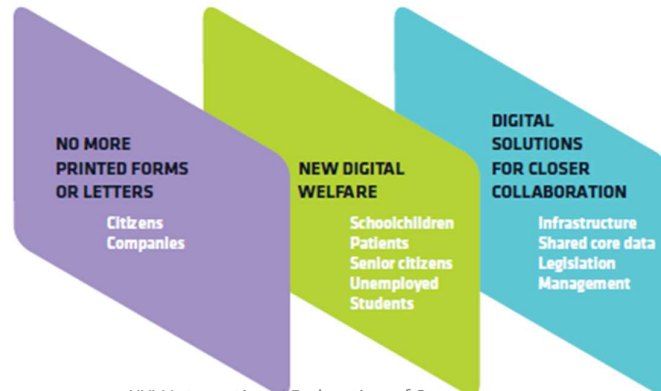
2. The Danish eGovernment Strategy 2011-2015

2.3 Three main tracks

No more printed forms or letters – digital communication

New digital welfare – welfare technology providing good service

Digital solutions for closer collaboration – reuse of data



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2. The Danish eGovernment Strategy 2011-2015

2.4 Selected focus areas – in a geodata perspective

Track 3 – Digital solutions for closer collaboration

- Area 1 **Robust digital infrastructure**: A shared digital infrastructure that is safe and sufficiently robust to meet future requirements
- Area 2 **Shared core data for all authorities**: Effective and reliable sharing of core data between authorities
- Area 3 **Legislation in support of digital services**: Legislation adapted to the opportunities and challenges of a digitalized society
- Area 4 **Effective management of eGovernment**: Stronger coordination of public sector digitization

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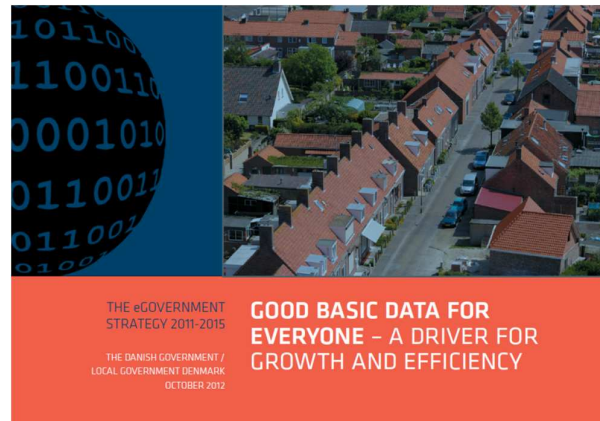


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3. Good Basic Data for everyone

- 3.1 The Basic Data Program – Background
- 3.2 Strategic societal goals
- 3.3 Five processes forward the goals
- 3.4 Real Property Data
- 3.5 Geographic Data

"An economic and strategic agreement between the Danish Government and Local Government Denmark"

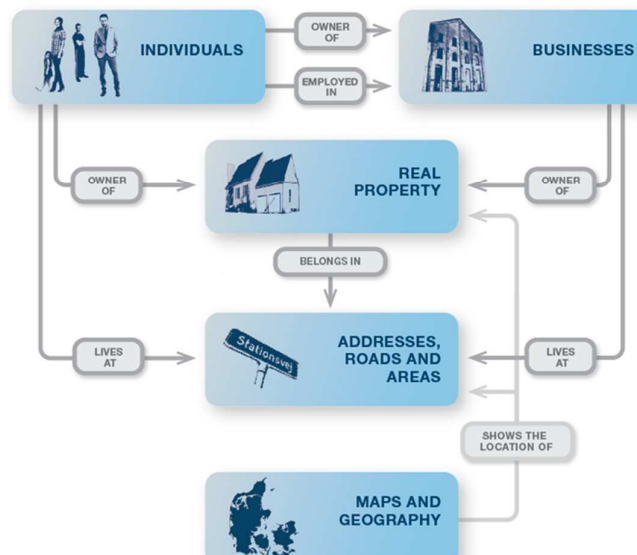


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3. Good Basic Data for everyone

- 3.1 The Basic Data Program – Background
- Basic data in brief



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3. Good Basic Data for everyone

3.1 The Basic Data Program – Background

A recognition of the need of **cross-sector collaboration** to provide an efficient and coherent basic data infrastructure with a focus on **interoperable** public basic data

A need for open and **easy-to-access high-quality basic data** as an essential basis for public authorities to perform their tasks properly and efficiently

A claim for **benefits** arising from significant **costs** in the digitization of basic data

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3. Good Basic Data for everyone

3.2 Strategic societal goals

Modernizing the public sector: Releasing more resources by sharing and re-using data that has already been recorded – across institutions and included directly in case processing

Innovation, growth and job creation in the private sector: Free available public-sector basic data to the private sector is a potential driver for new products and solutions, in particular digital ones

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3. Good Basic Data for everyone

3.2 Strategic societal goals

Tangible/expected benefits

- **The public:** Smoother interaction with public authorities – e.g. speedier case processing, less reporting to public authorities, less need for reentering data
- **Businesses:** Less bureaucracy, more growth – e.g. less reporting and registration, cheaper procurement of public-sector data, improved foundation for collaboration with the public sector due to the existence of common data new opportunities to develop new data-based services and products.
- **Public authorities:** More efficient and effective administration – e.g. efficient and effective maintenance of basic data and fewer redundant registers, cheaper development of IT systems, when basic data is accessible from a single source, fewer manual workflows

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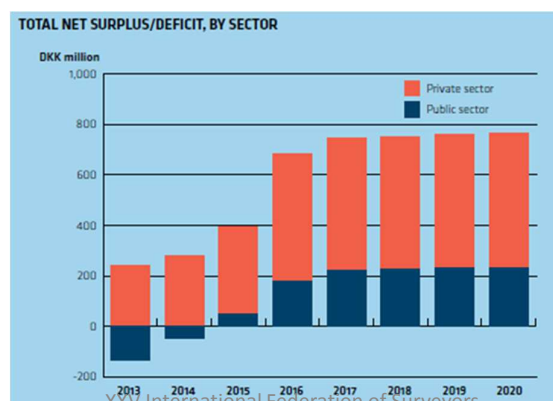
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3. Good Basic Data for everyone

3.2 Strategic societal goals

Cost-benefits

- **Public investment:** Approx. DKK 930 million up to 2016
- **Estimated net gains:** Up to approx. DKK 800 million annually



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3. Good Basic Data for everyone



3.3 Five processes forward the goals

Releasing public basic data for free use: To ensure the re-use of data and to prevent double registration and shadow registers, there will be given open and free access to public-sector basic data for everyone for freely use for commercial as well as for non-commercial purposes.

Enhancing the quality of data: Improvement of coherence in the basic data registers

Make it possible to link data: Efforts will be made to ensure that data conforms to the same technical requirements

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3. Good Basic Data for everyone



3.3 Five processes forward the goals

Improve the distribution of data: Establishing of a common single distribution solution – The Data Distributor

Establishing of a cross-institutional basic data committee: To ensure efficient, effective and coordinated development and use of basic data

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3. Good Basic Data for everyone



3.4 Real Property Data

Yesterday / today – as is

- Data about real property and buildings is created in **different registers** – silo split structure
- Some public registers consists of **authoritative basic data** other public registers are composed by **copy data**
- **Difficult** to compare and merge data across the registers
- **Risks of errors** because copy data is not necessarily updated
- Both public authorities and private businesses have spent **huge sums of money** on buying and administrating / composing "basic data"

3. Good Basic Data for everyone



3.4 Real Property Data

Tomorrow / today – to be

- **Free access** for everyone to retrieve and use real property basic data – Cadastral data and data from the Land Register
- An **infrastructure** will be established which ensures that information on real properties and buildings, including their owners, is registered **uniformly** and **securely** in the **authentic registers** in the real property domain
- Basic data on real properties will be improved and harmonized according to a **commonly agreed definition** of real property
- Data will be **distributed** in a unified and documented format by the public Data Distributor

3. Good Basic Data for everyone

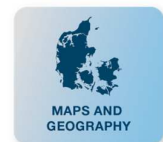


3.5 Geographic Data

Yesterday / today – as is

- Geographic basic data consists of **location specific information**
- Maintained in **various registers** on the basis of different legislation and administrative purposes
- In general a **public issue** partly financed by sale to other public authorities and by sale of access and user licenses to private businesses
- **Significant costs** of acquiring user rights and procurement of the same thematic data by several producers

3. Good Basic Data for everyone



3.5 Geographic Data

Tomorrow / today – to be

- Geographic basic data will be **released** and may be used freely for commercial and non-commercial purposes
- **Coherence** will be created between public-sector data across administrative boundaries and purposes
- An **up-to-date elevation model** will be fully accessible for both public and private partners
- Data will be **distributed** in a unified and documented format by the public Data Distributor

4. Effectstudy

4.1 Effect study on the use and users of free basic data – geodata

Small scale effect studies on use of free geographic data since release the 1st of January 2013 until autumn 2013 shows a clear tendency

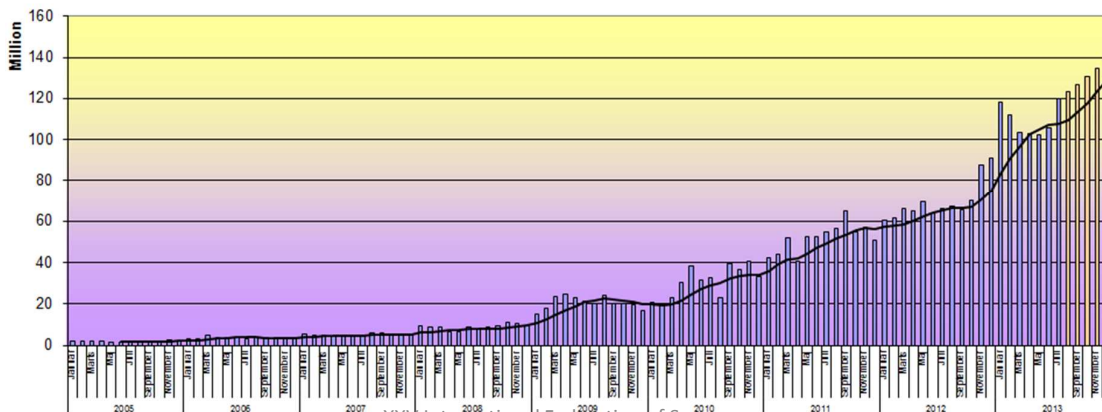
- **Requests on web services** distributing digital geographical data (maps and spatial sets at The Danish National Geodata Agency) has increased from 80 million requests per month to approx. 140 million requests per month

4. Effectstudy

4.1 Effect study on the use and users of free basic data – geodata

Requests per month on digital geographical data (The Danish Geodata Agency)

Requests per month 2005 - 2013



4. Effectstudy

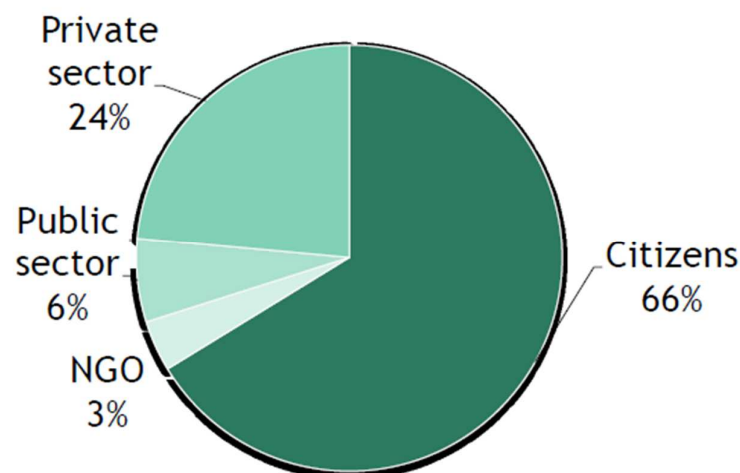
4.1 Effect study on the use and users of free basic data – geodata

- The number of users is in 2013 increased from approx. 800 registered users to approx. 12000 registered users
- Citizens and companies represent a large part of the new users
- Approx. 25% of the new users have been unfamiliar with the area
- About 44% of respondents would not have used data if they should have paid a fee for using data

4. Effectstudy

4.1 Effect study on the use and users of free basic data – geodata

User types – new users (The Danish Geodata Agency)



4. Effectstudy

4.1 Effect study on the use and users of free basic data – geodata

Potentials in open data

Public sector

- 40% indicates that the data will be of importance for the **efficiency** in the performance of tasks in 4-5 years
- 80% indicates that there is a **saving potential** in using geodata

Private sector

- "Watch and wait" new positive indications – 5.5 % market **growth** expected from 2012 to 2015

5. Conclusions

5.1 Conclusions

The Danish eGovernment Strategy and The Basic Data Program

- Are driven by public sector **efficiency** and private sector **growth** gains
- Is sponsored by **highest political level** and governed by a high level board
- The **financing** is done up front (costs and gains)
- "Authoritative data" and "Simplification" are key **design principles**
- Basic Data is being used in the public sector and by businesses where the data can bring significant **value**
- Use of free basic data **increases** and creates benefits

Postludium



Thank You for Your attention

– this is what happens in the State of Denmark



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Reference list



THE DIGITAL PATH
TO FUTURE WELFARE

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THE DANISH GOVERNMENT (DANISH RESIDENCY)
LOCAL GOVERNMENT STRATEGY
AUGUST 2011

"eGovernment Strategy 2011-2015"

http://www.digst.dk/~media/Files/Digitaliseringsstrategi/Tilgaengeligt_engelsk_strategi.pdf



THE #GOVERNMENT
STRATEGY 2011-2015

GOOD BASIC DATA FOR
EVERYONE - A DRIVER FOR
GROWTH AND EFFICIENCY

"Good Basic Data for everyone"

http://uk.fm.dk/publications/2012/good-basic-data-for-everyone/~media/Publikationer/Imported/2012/Gode%20grunddata%20til%20alle/BasicData_UK_web_2012.10.08.ashx

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