

Free Geographic Basic Data

Præludium

Free Geographic Basic Data

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



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“The future lies in the past”



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Agenda



1. The Danish eGovernment Strategy 2011-2015
2. The Danish Basic Data Program
3. Concluding remarks



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1. The Danish eGovernment Strategy 2011-2015

1.0 "eGovernment Strategy 2011-2015"



The digital path to future welfare

"Adoption of digital solutions - providing welfare"





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1. The Danish eGovernment Strategy 2011-2015



1.1 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
- There is a political consensus that adoption of new **digital solutions** can provide **welfare** and contributes to create **growth** in society
- The **public sector** is expected to manage **better service** with **smaller budgets** and the **private sector** is expected to **increase** employment and tax base



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1. The Danish eGovernment Strategy 2011-2015



1.2 Strategic societal goals

- **Capitalization of a massive public digital efforts:** To create more welfare by less costs
- **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



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1. The Danish eGovernment Strategy 2011-2015



1.3 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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1. The Danish eGovernment Strategy 2011-2015



1.3 Selected focus areas – in a geodata perspective

Track 3 – Digital solutions for closer collaboration

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



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2. The Danish Basic Data Program

2.0 "Good Basic Data for everyone"



A driver for growth and efficiency

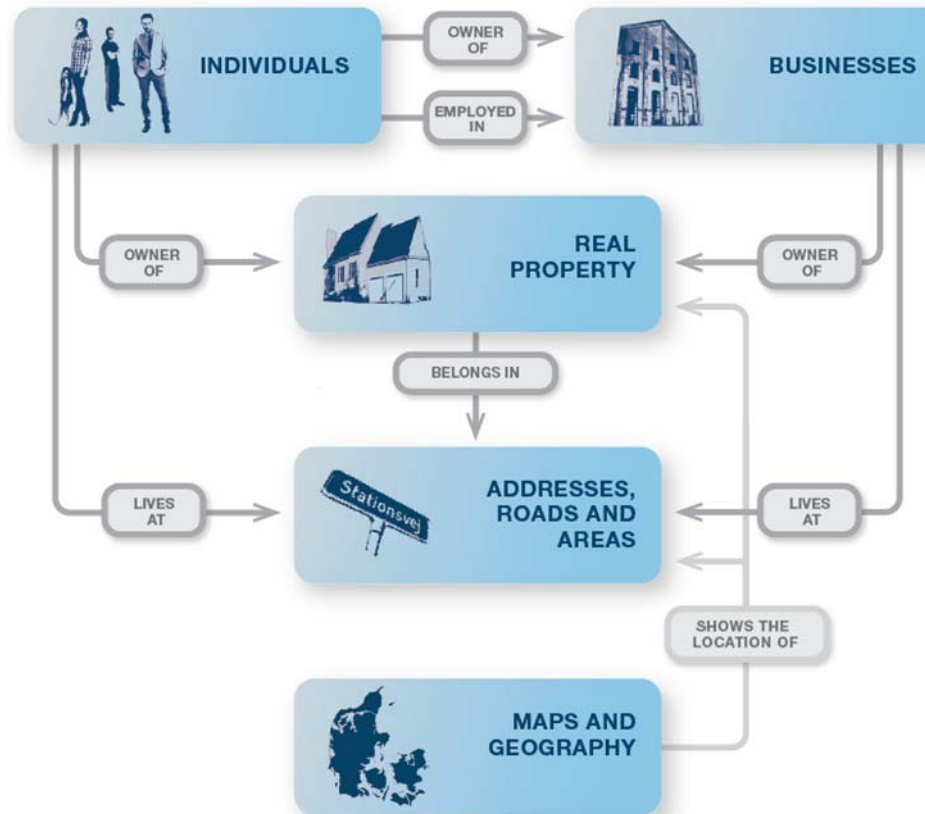
"Digital basic data has to be "in game" to create value"



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2. The Danish Basic Data Program

2.1 Basic Data in brief



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2. The Danish Basic Data Program

2.2 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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2. The Danish Basic Data Program

2.3 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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2. The Danish Basic Data Program

2.3 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

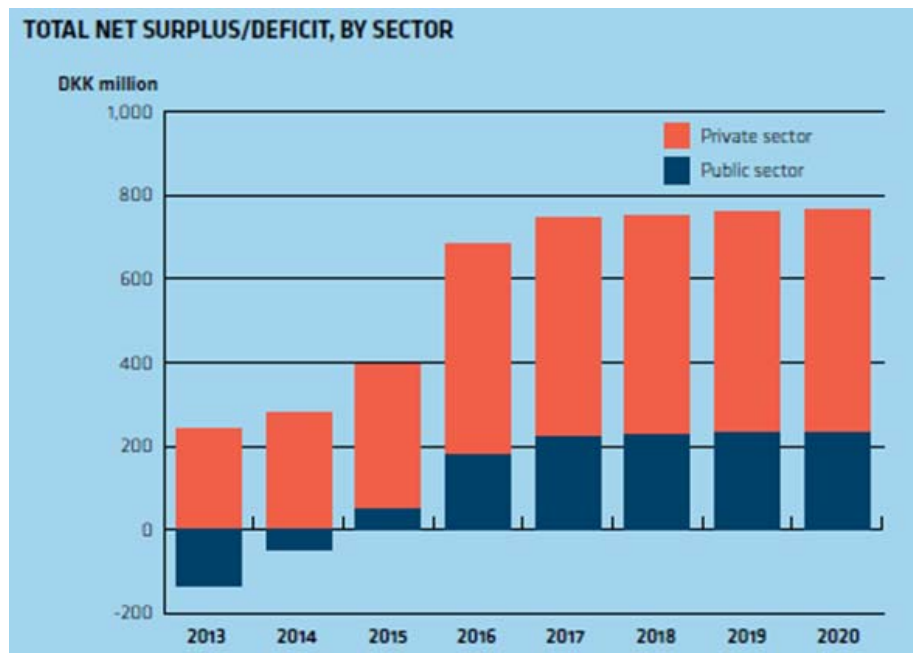


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2. The Danish Basic Data Program

2.4 Cost-benefit

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



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2. The Danish Basic Data Program

2.5 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
- **Establishing of a cross-institutional basic data committee:** To ensure efficient, effective and coordinated development and use of basic data

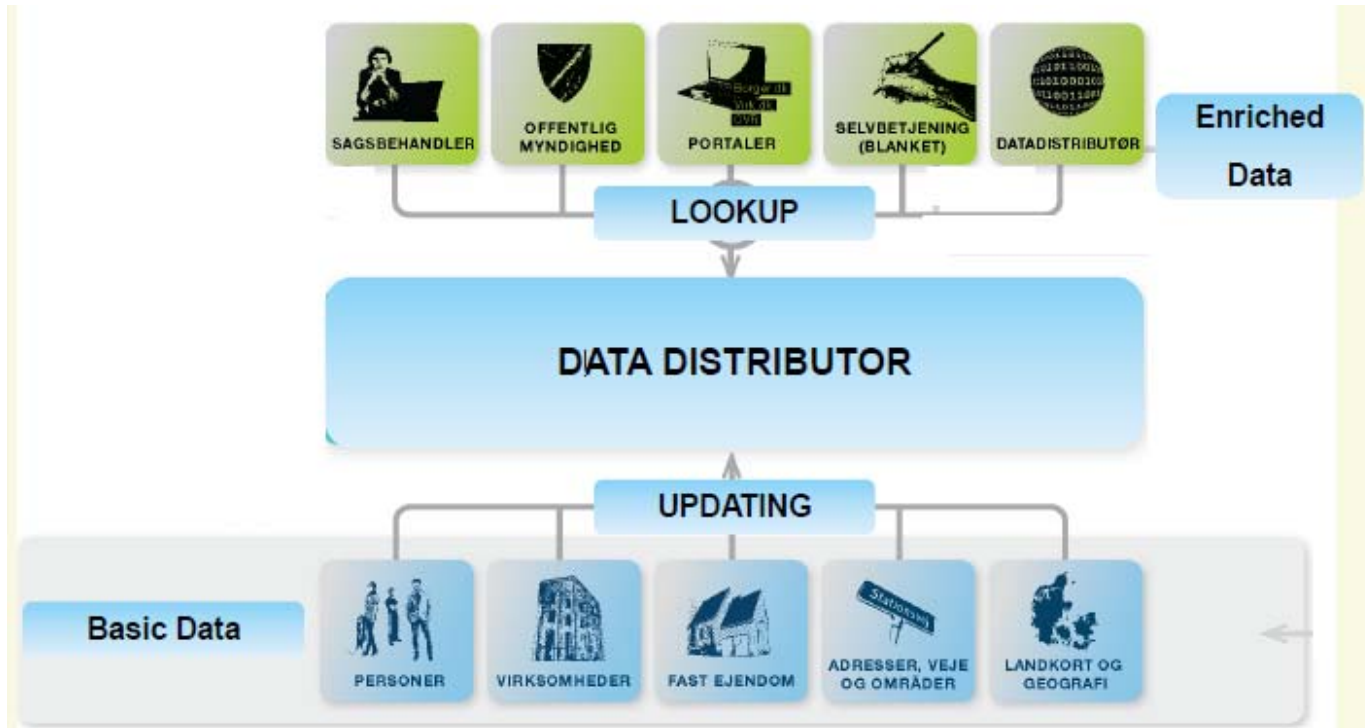


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2. The Danish Basic Data Program

2.5 Five processes forward the goals

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



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2. The Danish Basic Data Program

2.6 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



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2. The Danish Basic Data Program

2.6 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
- Data will be **distributed** in a unified and documented format by the public Data Distributor



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2. The Danish Basic Data Program

2.7 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
- Society have spent **huge sums of money** on buying “basic data”

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2. The Danish Basic Data Program

2.7 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

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2. The Danish Basic Data Program

2.8 Other basic data – shortly



Address data

- The Building and Dwelling Register will be the **authentic address register**, and data from this register will be used as the basis for registration in other registers and solutions
- A place name system will be established. Danish administrative and geographical boundaries (DAGI) will be expanded into a **basic register** in which the relevant public authorities maintain data

Business data

- Business and company data will meet the **quality requirements necessary** for use throughout the administration



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2. The Danish Basic Data Program

2.8 Other basic data – shortly



Personal data

- A working group will draft a proposal for a more **efficient** and **coherent** central personal records system and distribution of personal data
- Initially, personal data will **not be included** in the release of basic data
- Personal data will still be **protected data**



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3. Concluding remarks

3.1 Remarks - general

- **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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3. Concluding remarks

3.1 Remarks – The Basic Data Program

- Part of Danish society **infrastructure**
- Is driven by public sector **efficiency** and private sector **growth gains**
 - The **financing** is done up front by **highest political level** (costs and gains)
 - Is **governed** by a **high political level board**
- INSPIRE, "Authoritative data" and "Simplification" are key **design principles**
- Use of free basic data **increases** and creates benefits



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Postludium



Thank You for Your attention

– this is what happens in the State of Denmark



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Reference list

“eGovernment Strategy 2011-2015”

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



“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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