



Danish Ministry of the Environment  
Danish Geodata Agency

# Quality, Quantity and Equity – the changing landscape in the usage of basic data in relation to real property in Denmark

GWF – INSPIRE 2015, Lisbon  
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THE eGOVERNMENT  
STRATEGY 2011-2015

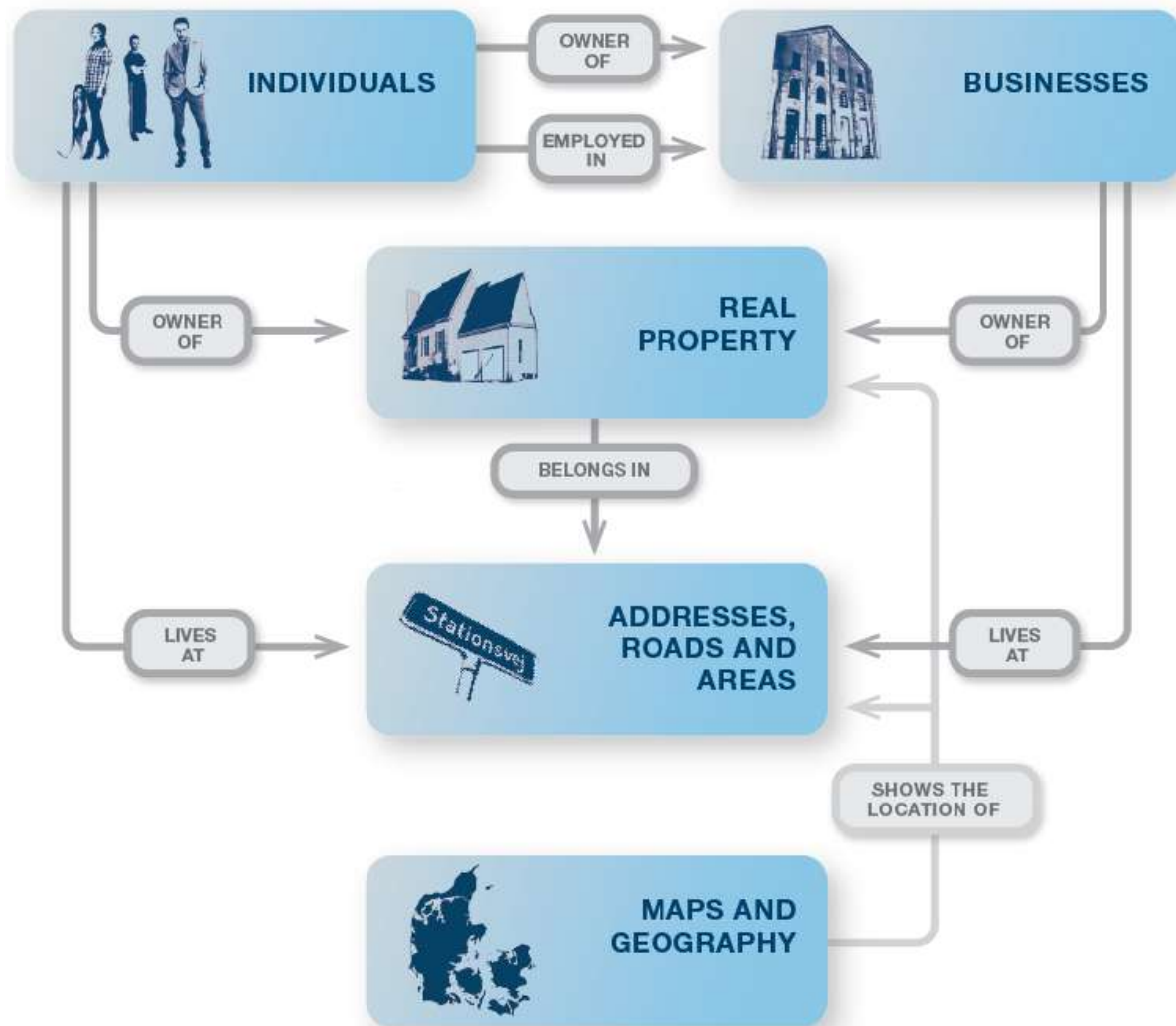
THE DANISH GOVERNMENT /  
LOCAL GOVERNMENT DENMARK  
OCTOBER 2012

**GOOD BASIC DATA FOR  
EVERYONE – A DRIVER FOR  
GROWTH AND EFFICIENCY**



Danish Geodata Agency

# Basic public data



Quality



# Quality – Property data programme

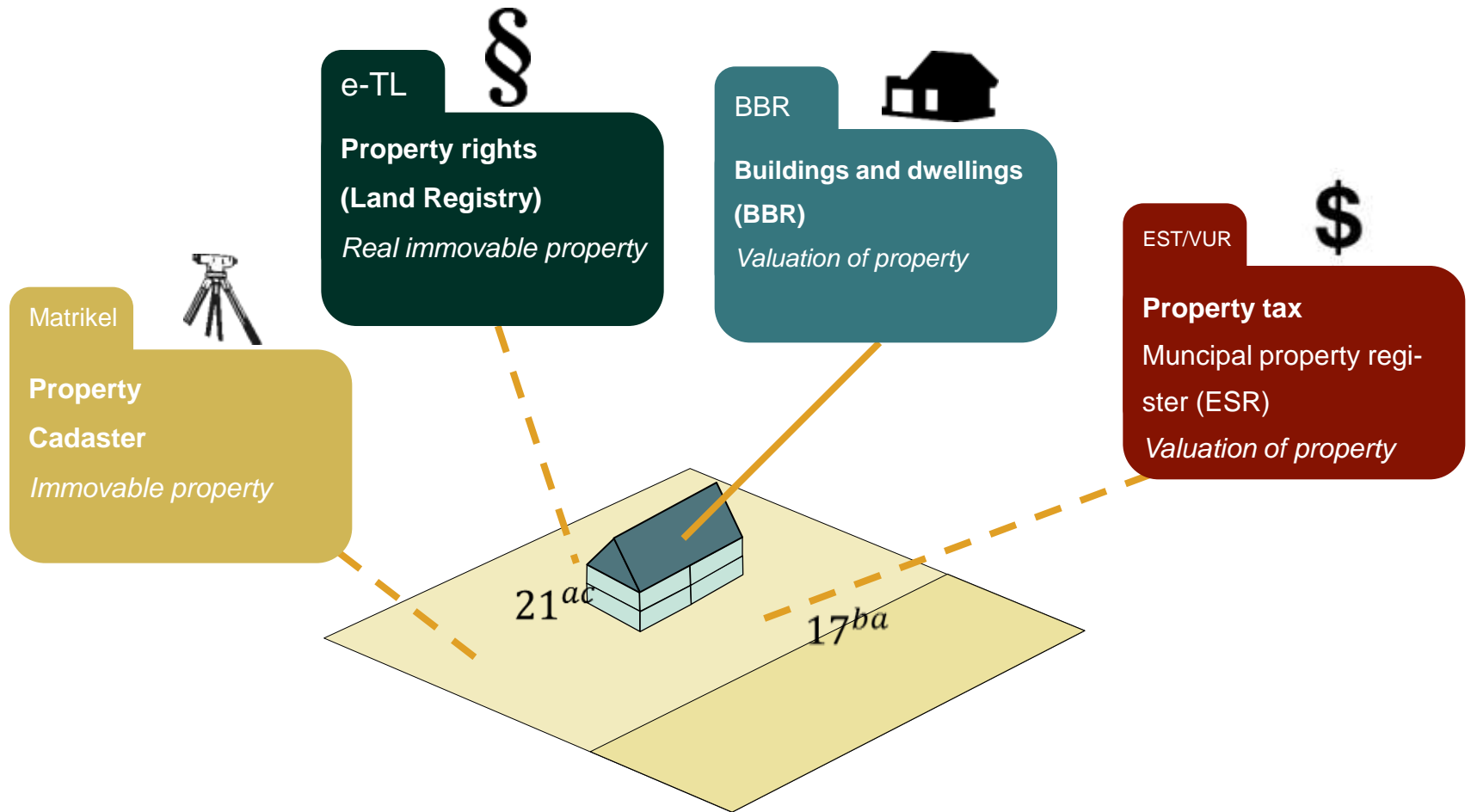
<b>Registers</b>	<b>Responsible organisation</b>
Buildings and dwellings	Ministry of Housing, Urban and Rural Affairs
Cadastre	Danish Geodata Agency
Property rights (Land Registry)	National Land Registry
Property tax	Ministry of Taxation
	Agency for Digitization
	Local Government Denmark



# Quality – Property data programme

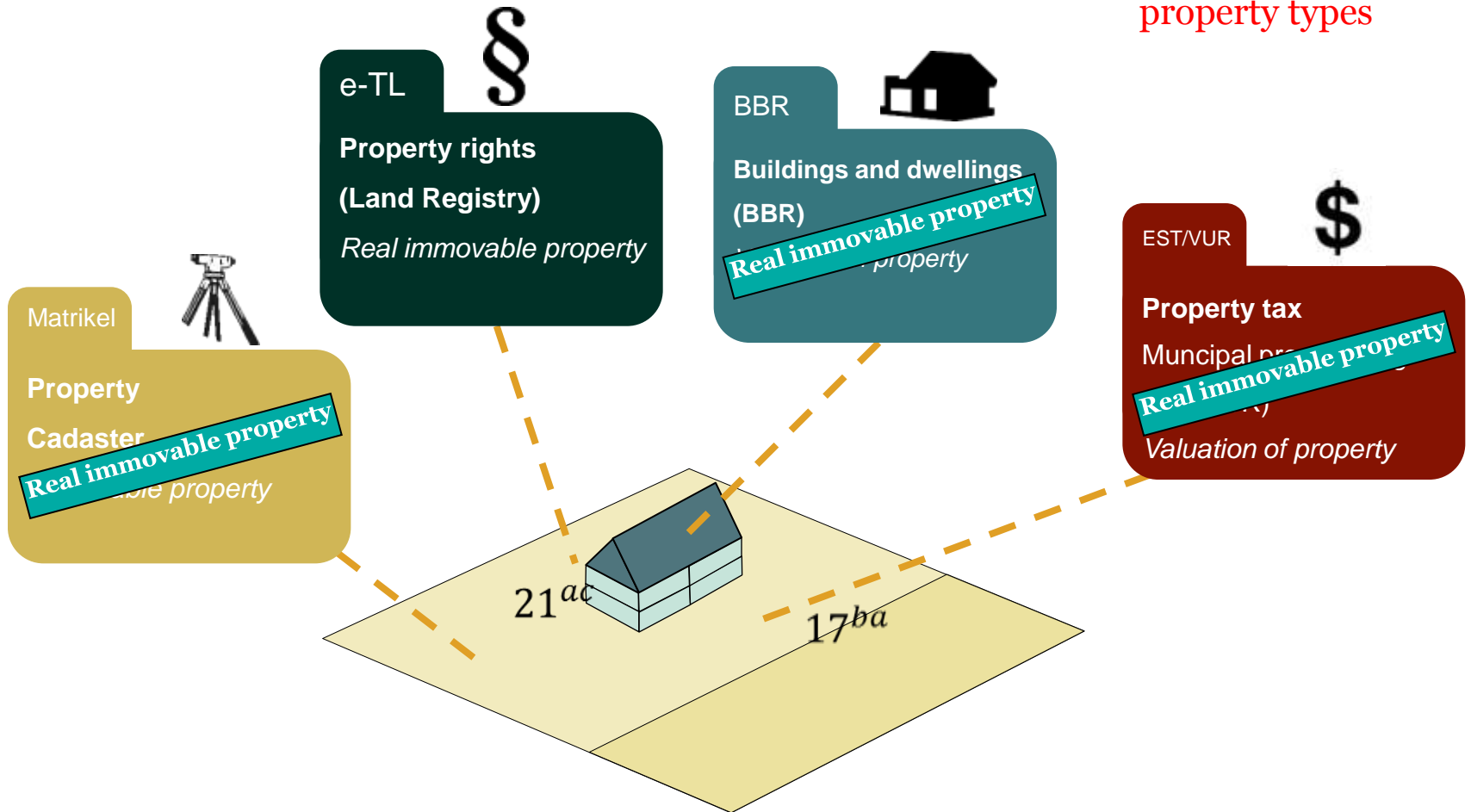
- Use the same property data model through out the basic data registers – Cadaster, Building, Ownership and Land Registry
- One unique property identifier for all property types
- Basic registration of all types of property is done uniformly and collected in the cadaster
- A new property ownership register (actual ownership) is implemented
- Buildings and addresses are linked to properties according to the data model
- Property data will be available in a pre-registration phase
- Basic data will be distributed through the Data Distributor

# As-Is: Three different property definitions



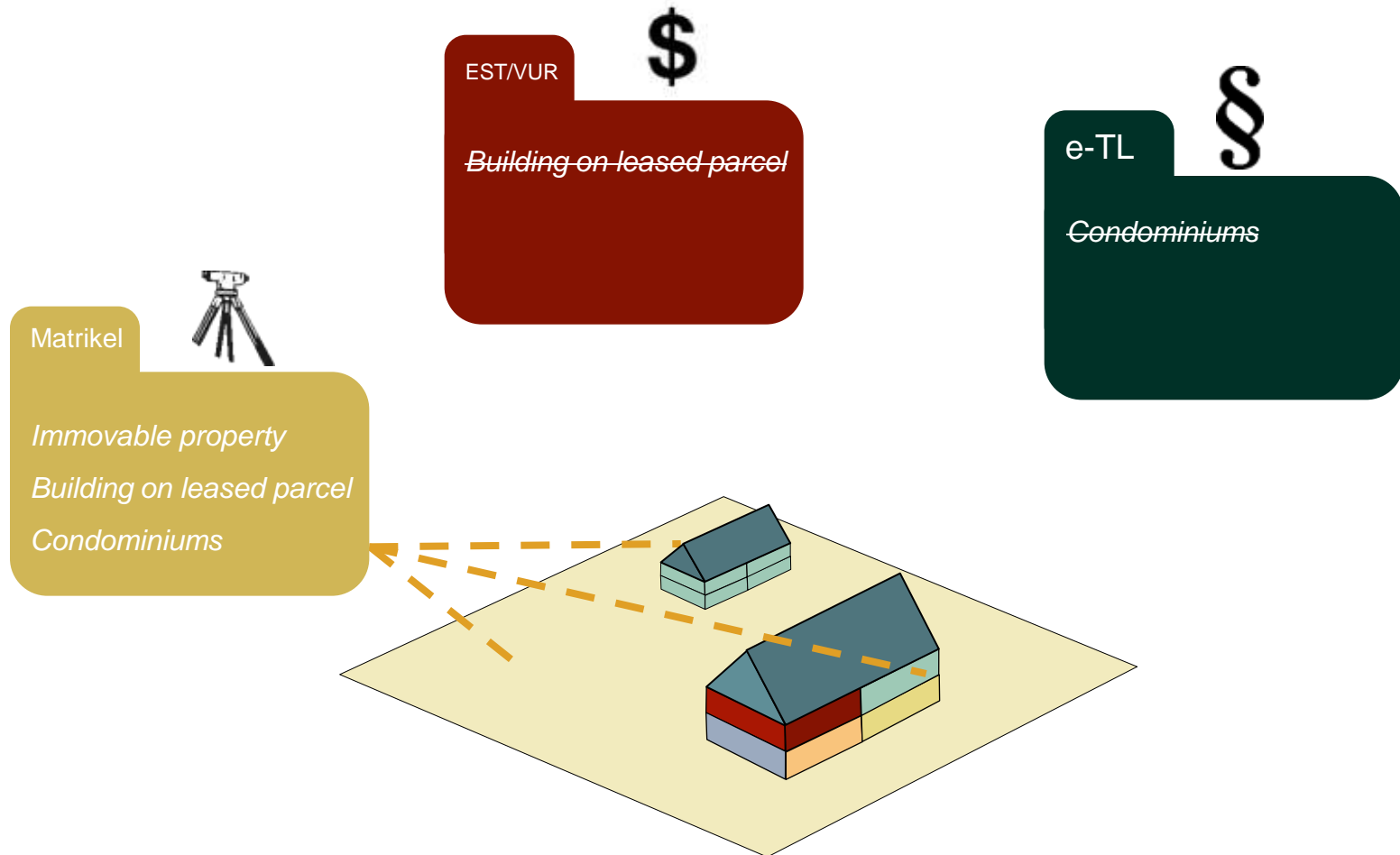
# To-Be: Harmonized property data model

One unique property identifier for all property types





# Contents of the cadastre after changes



# Quality – Property data programme

## **Public sector benefits**

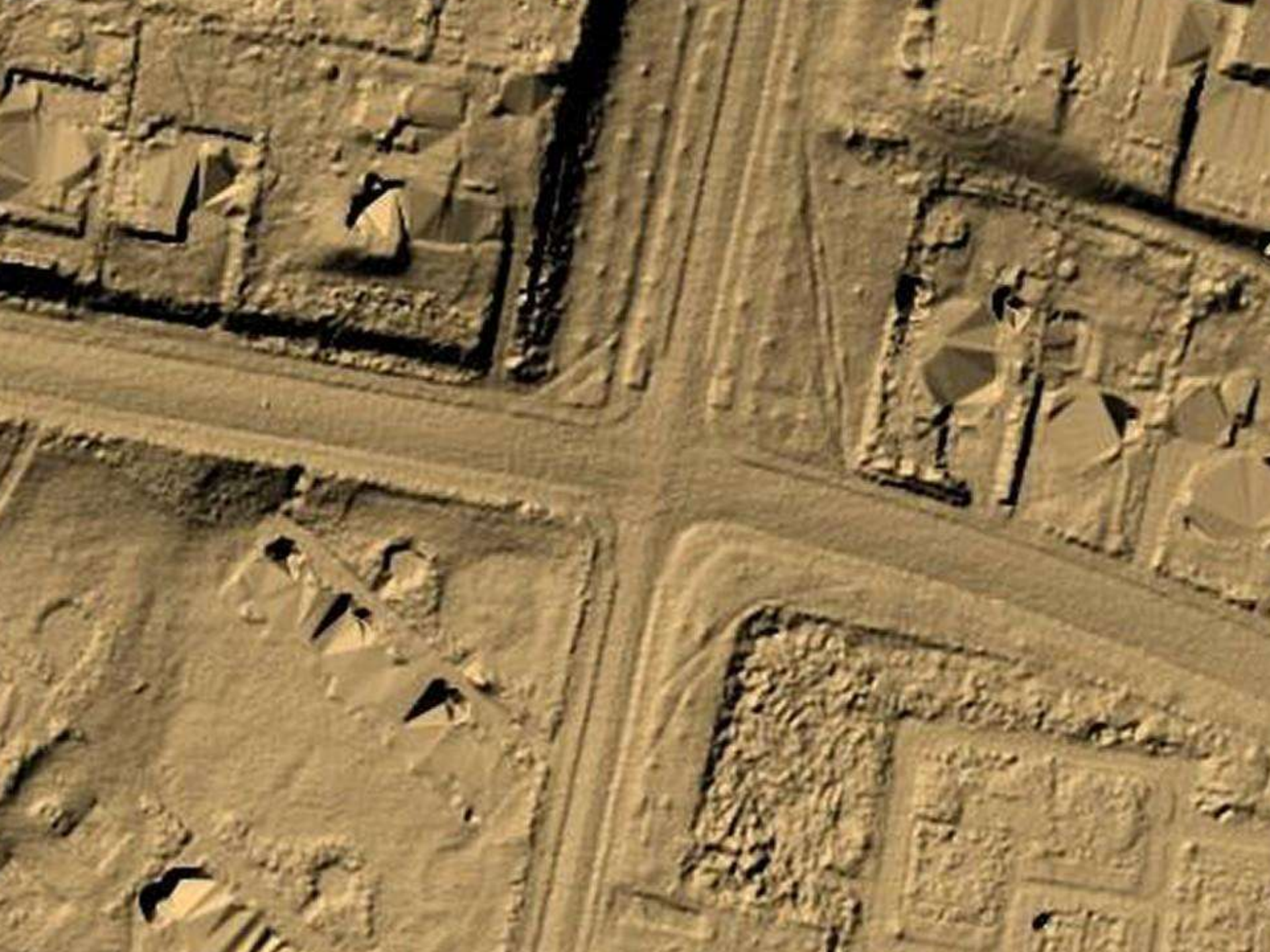
- No need for copy-registers
- Simpler systems and thus lower cost for development, maintenance and use
- Fewer manual processes especially within the municipalities
- More efficient cadastral system
- More efficient functioning of the private mortgage market

## **Private sector benefits**

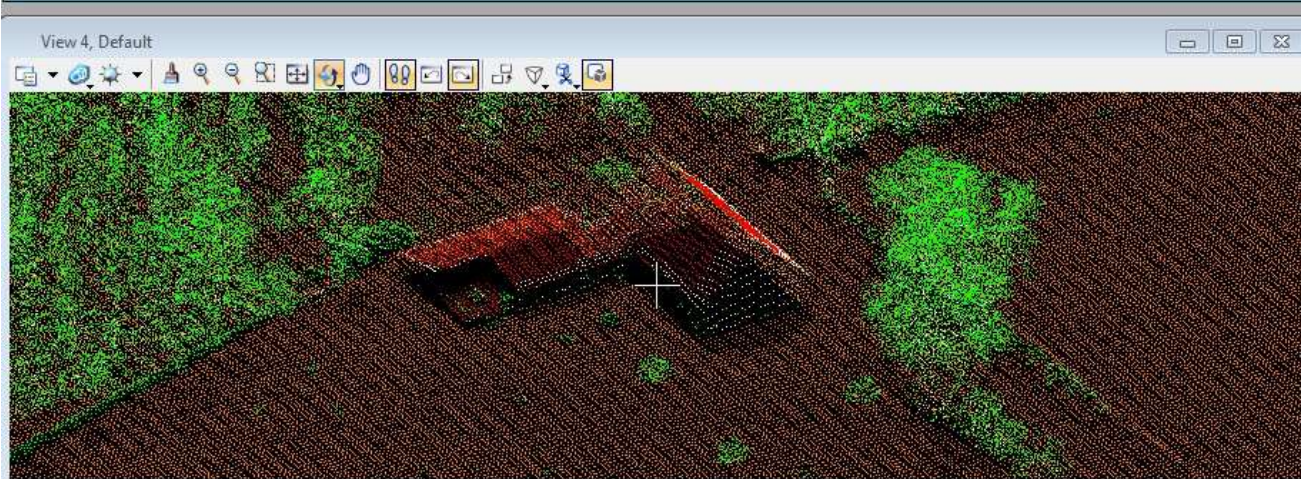
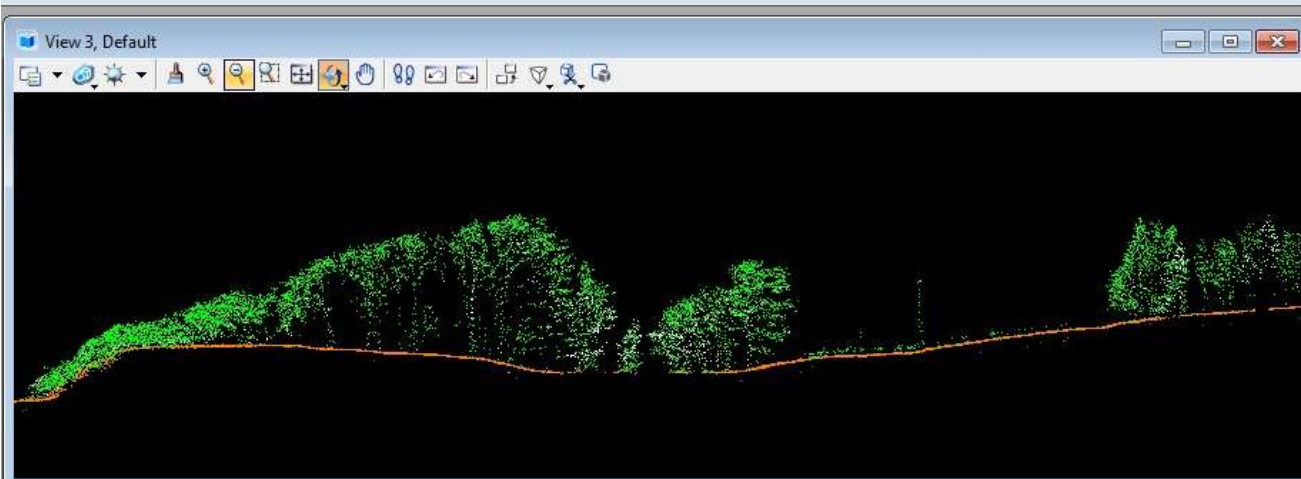
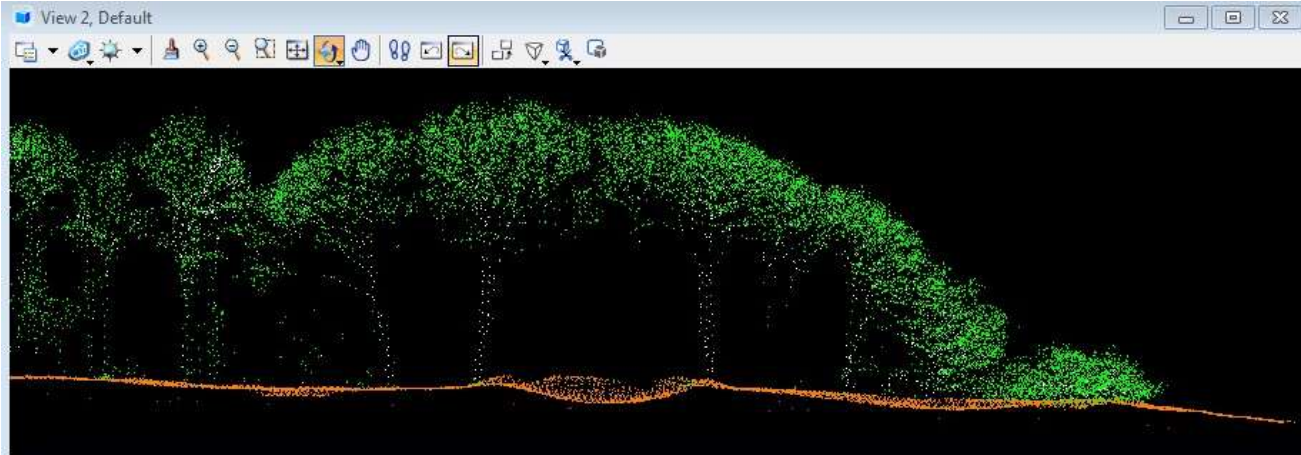
- Large values linked to privately owned property
- Property used as security in the loan market (~ 3 x GDP)
- Tax object with a significant contribution to the state budget  
~ 5 billion Euro











**Quantity**





## Quantity – Open data

2012 – 800 users

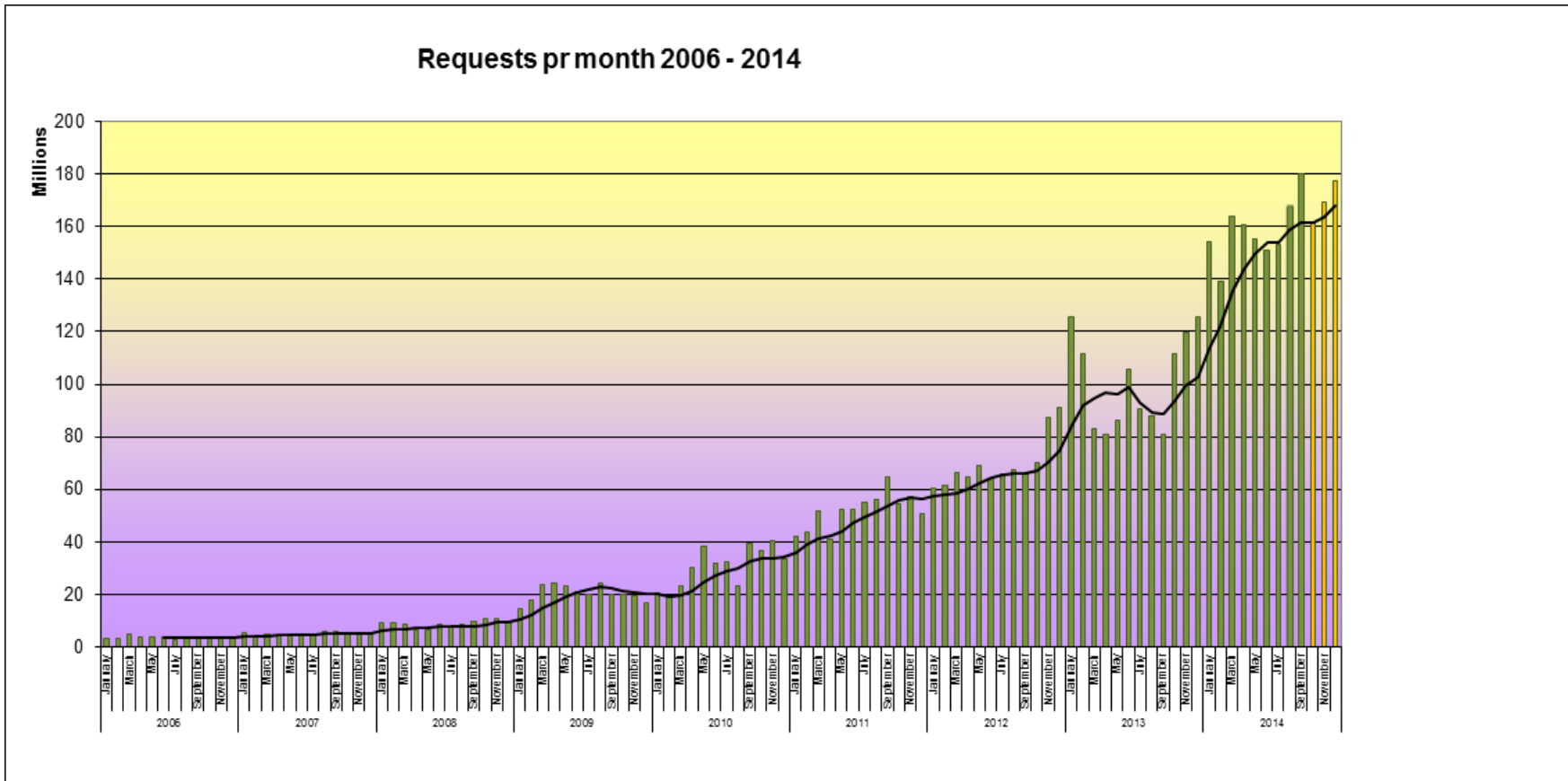
April 2015 - 40.000 users

~1400 new users pr. month

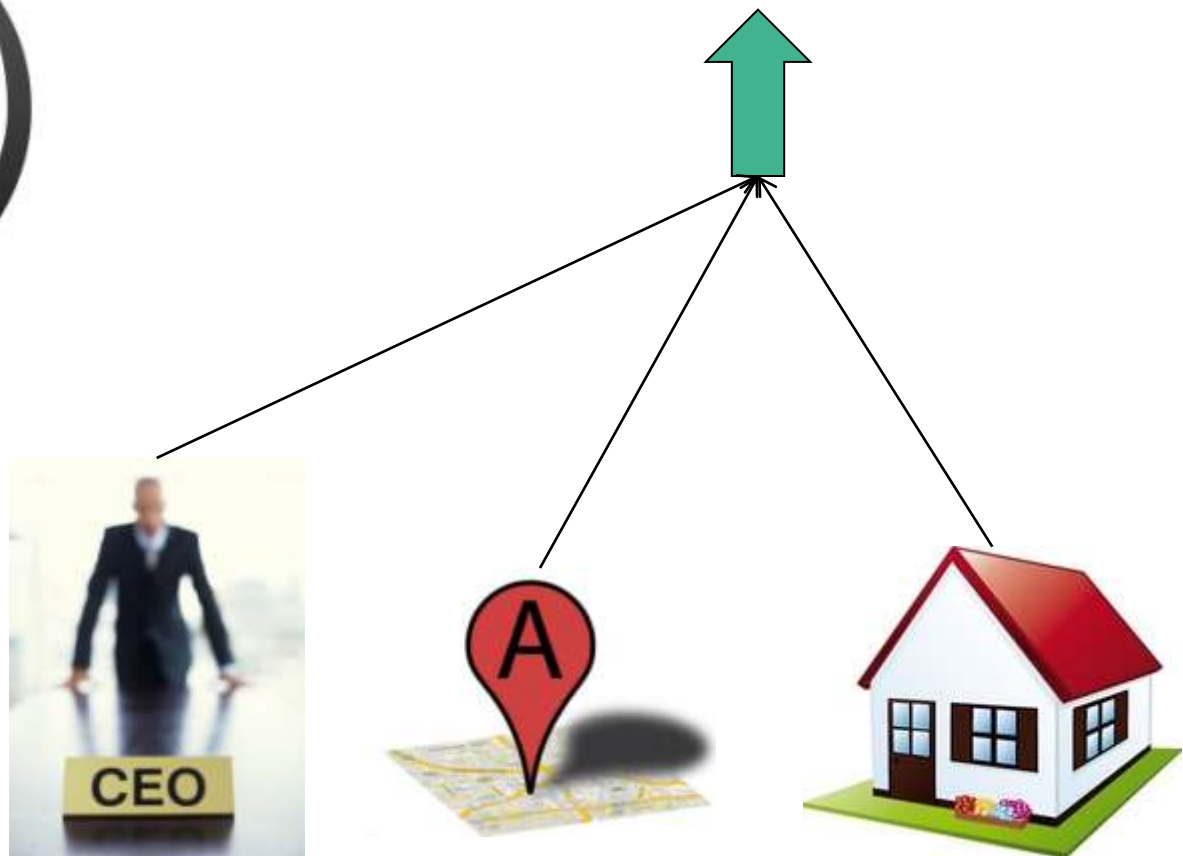


# Quantity – Open data

## *Digital Map Supply (Web Map Service) – 2006-2014*



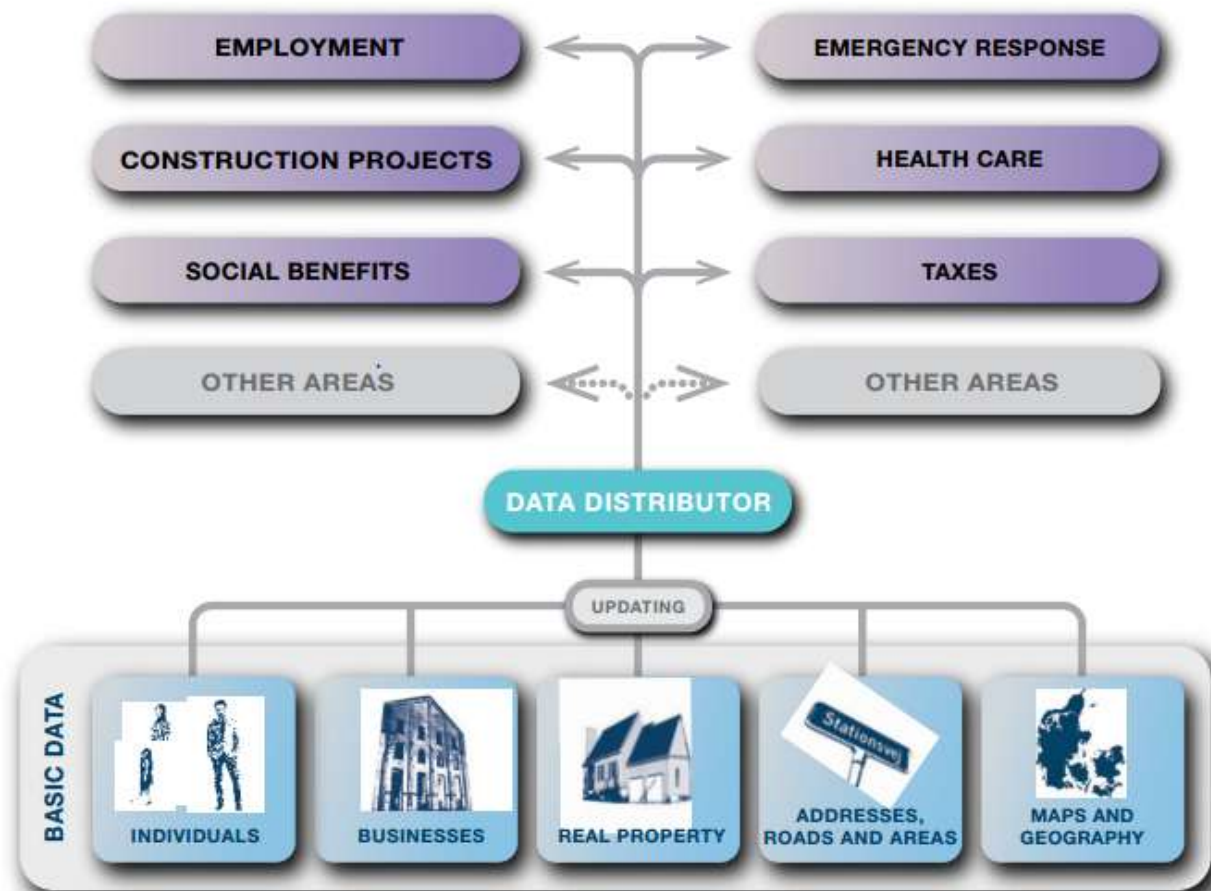
# Quantity – the data distributor



# Equity



# Equity – the data distributor



# Equity – the data distributor

- A flexible, robust and scalable solution for distribution
- Security of supply 24/7 : operations and support
- Common infrastructure with uniform handling of security
- Data deliveries with high service levels
- Uniform technical interfaces
- Joint release management

In addition:

- Reducing costs
- Basic data in one place - better service and one entrance
- Effective communication to users

# Equity – the data distributor

## Distribution of Geodata

All services are based on OGC standards e.g. WFS, WMTS, WMS and WCS.

Furthermore the data distributor exposes a range of REST services for geocoding, address searches, etc.

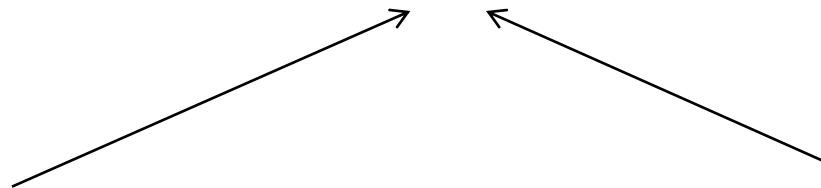
So what?







# Marine cadastre



# Insurance



Access to data

Improved risk models

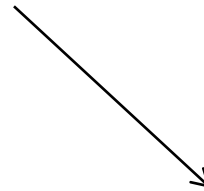
Improved micro tariffing



# New 'objective' property valuation model



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# New 'objective' property valuation model



# OBRIGARDA - Questions?



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<http://www.digst.dk/ServiceMenu/English/Digitisation/Basic-Data>