

EGOVIS 2010 Bilbao

E-GOVERNMENT AND GEOGRAPHICAL INFORMATION BASED COLLABORATION PATTERNS

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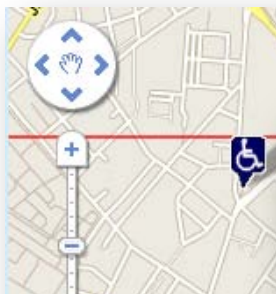
E-GOVERNMENT AND GEOGRAPHICAL INFORMATION BASED COLLABORATION PATTERNS

“the use of information and communication technologies (ICT) to improve the activities of public sector organizations and their agents” [The UN e-Government Survey, 2008]



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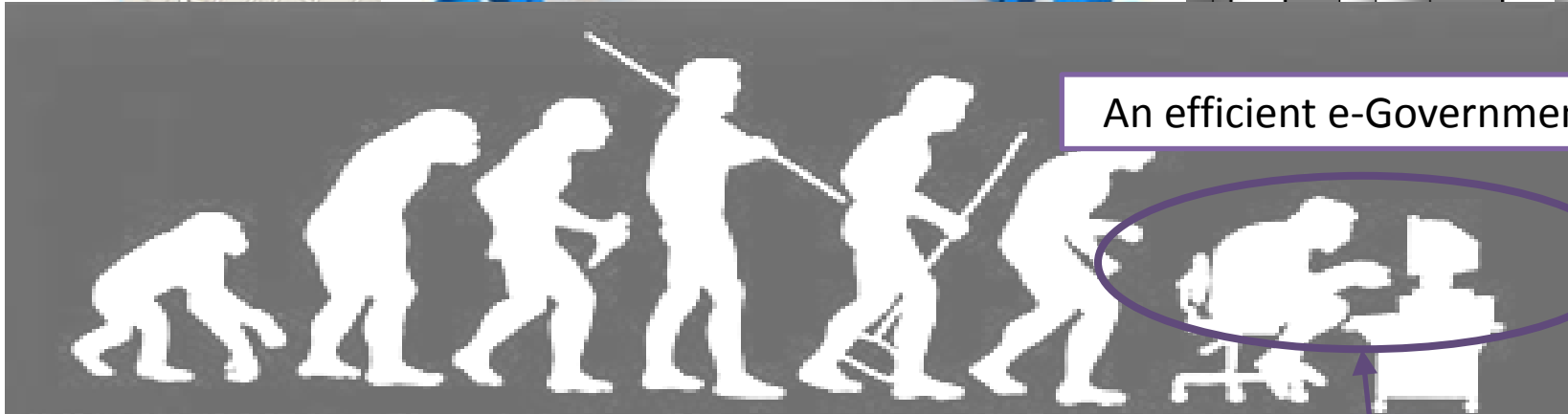
E-GOVERNMENT AND GEOGRAPHICAL INFORMATION BASED COLLABORATION PATTERNS



Sankt Hans Torv, 2200 København N

Sølvtorvet, 2100 København Ø

Øster Allé 2, 2100 København Ø



An efficient e-Government



Nikolaj Plads 10, 1067 København

Under Rådhuspladsen ved HT Int

Gammel Strand, Nybrogade 2F, 1203 København K

City and Number
X,Y-coordinate

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In our research we pursue

- The understanding of the dynamics in e-Government
- Emphasise the importance of the spatial aspect
- A technical approach to/ a social understanding of e-Gov

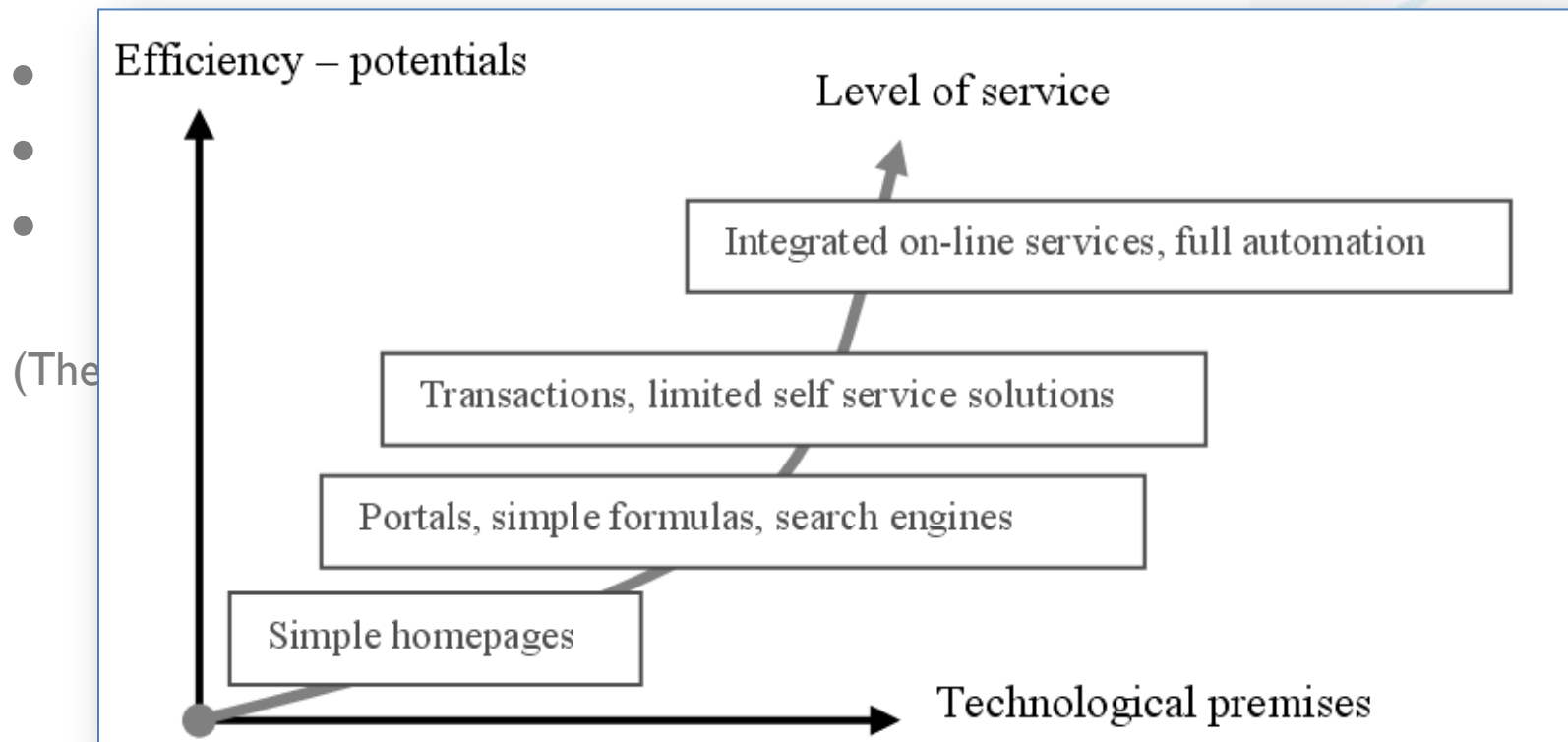
In our paper we pursue

- The development of an efficient e-Government
- Analysing the collaboration element as an enabler for efficient e-Government (“the people element”)

... from an theoretical and an empirical stanza

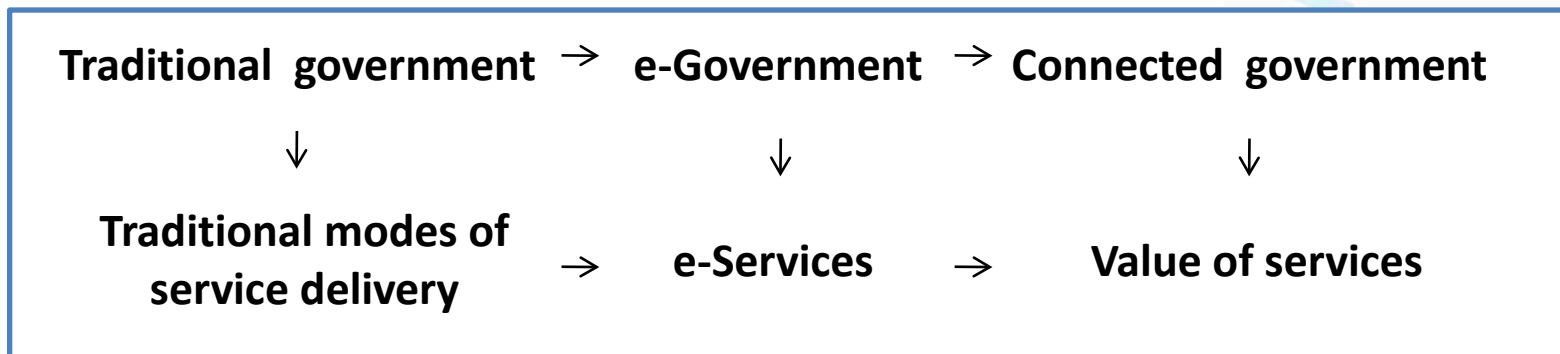
An efficient e-Government

In Denmark "efficiency" is defined by:



An efficient e-Government

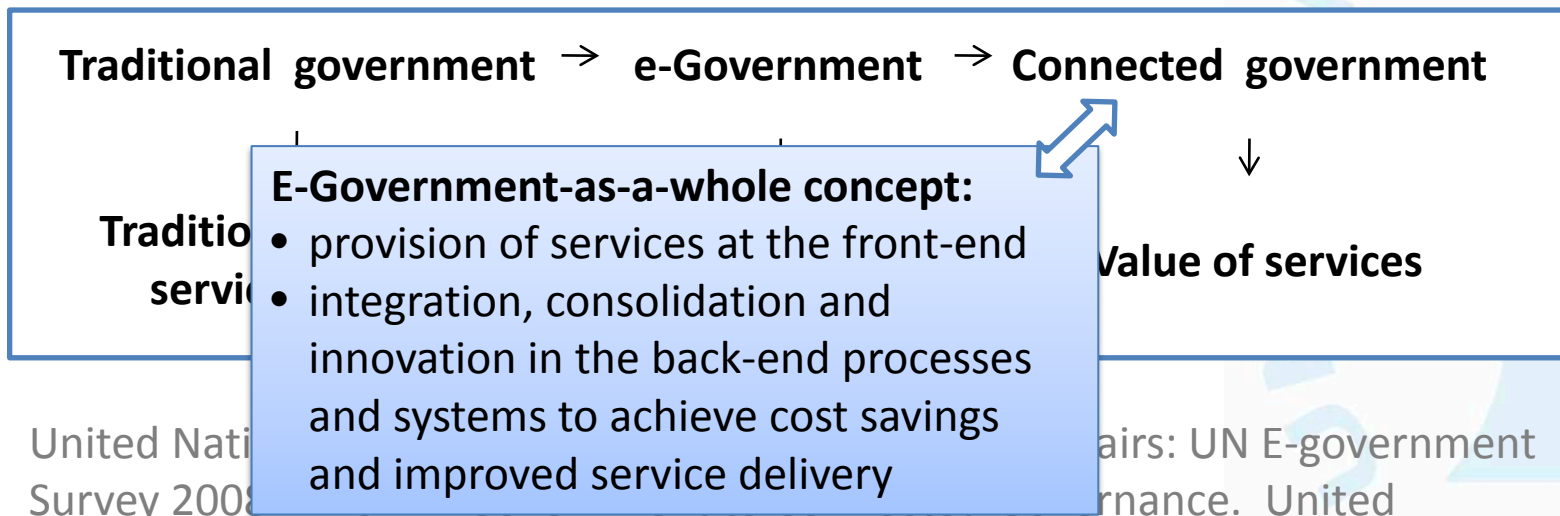
The dynamics of e-Gov



United Nations Department of Economic and Social Affairs: UN E-government Survey 2008 – From E-Government to Connected Governance. United Nations Publication, New York (2008)

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The dynamics of e-Gov



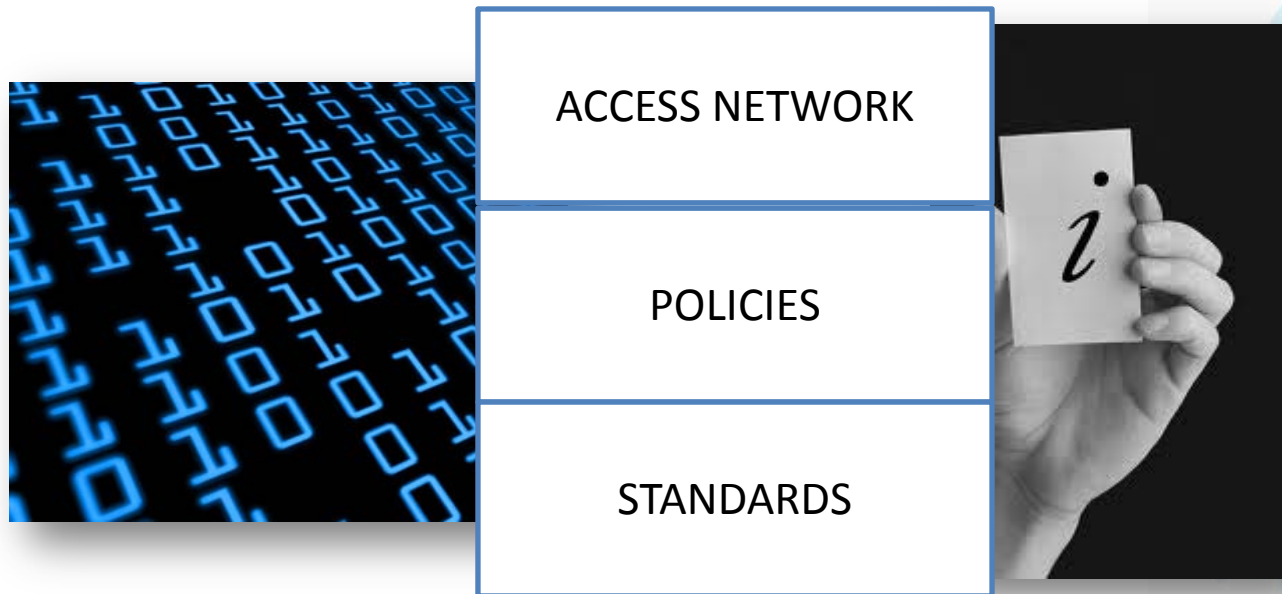
United Nations
Survey 2008
United Nations
Publications, New York (2008)

United Nations
Publications, New York (2008)

An efficient e-Government



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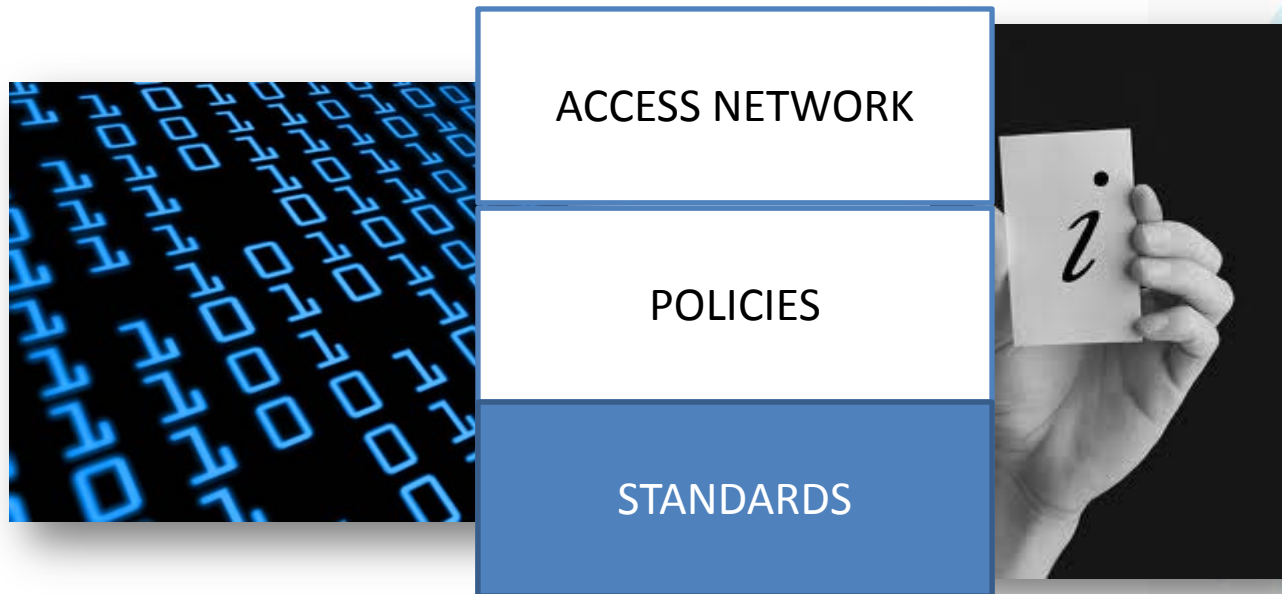


DATA

[Abbas Rajabifard]

PEOPLE

An efficient e-Government

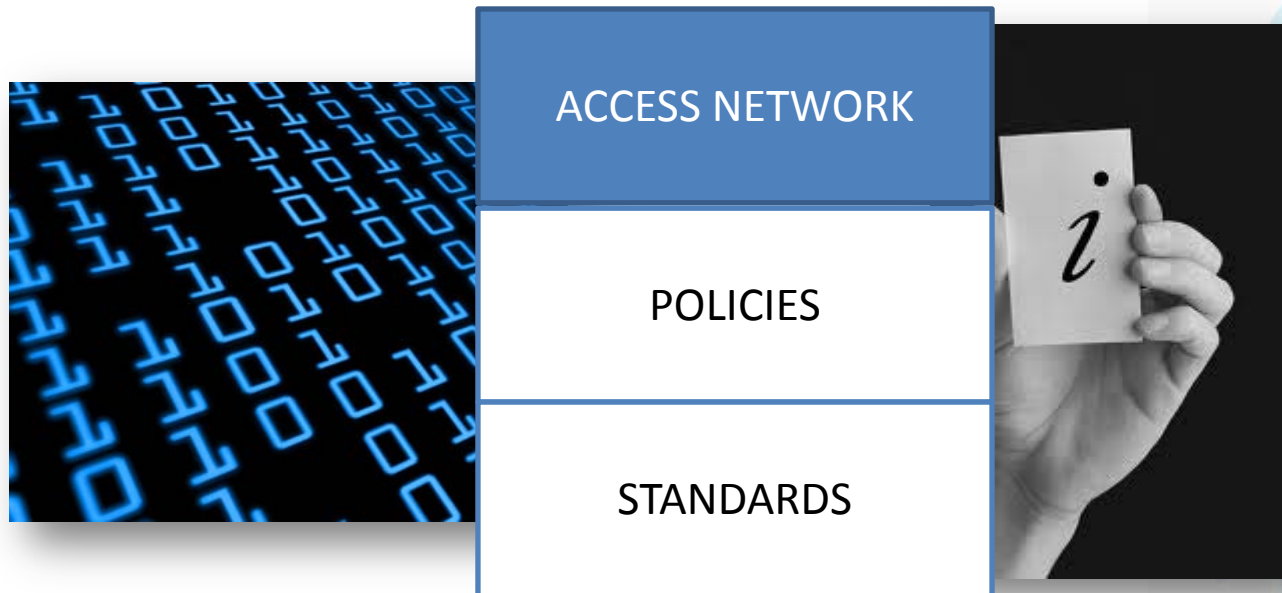


DATA

[Abbas Rajabifard]

PEOPLE

An efficient e-Government

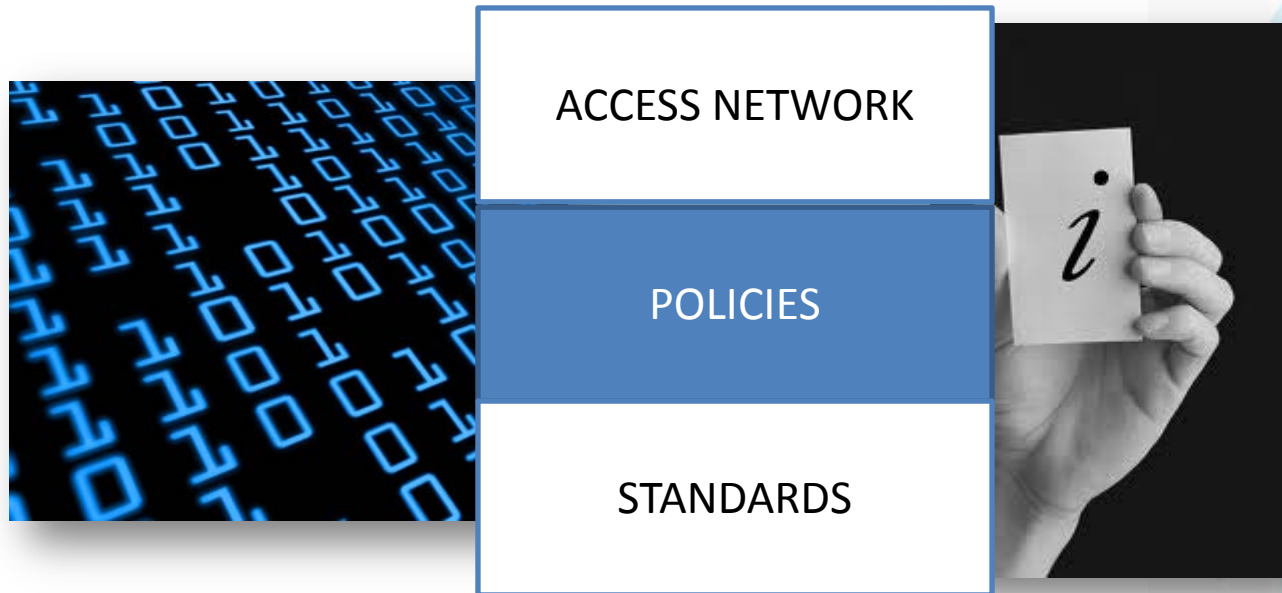


DATA

[Abbas Rajabifard]

PEOPLE

An efficient e-Government

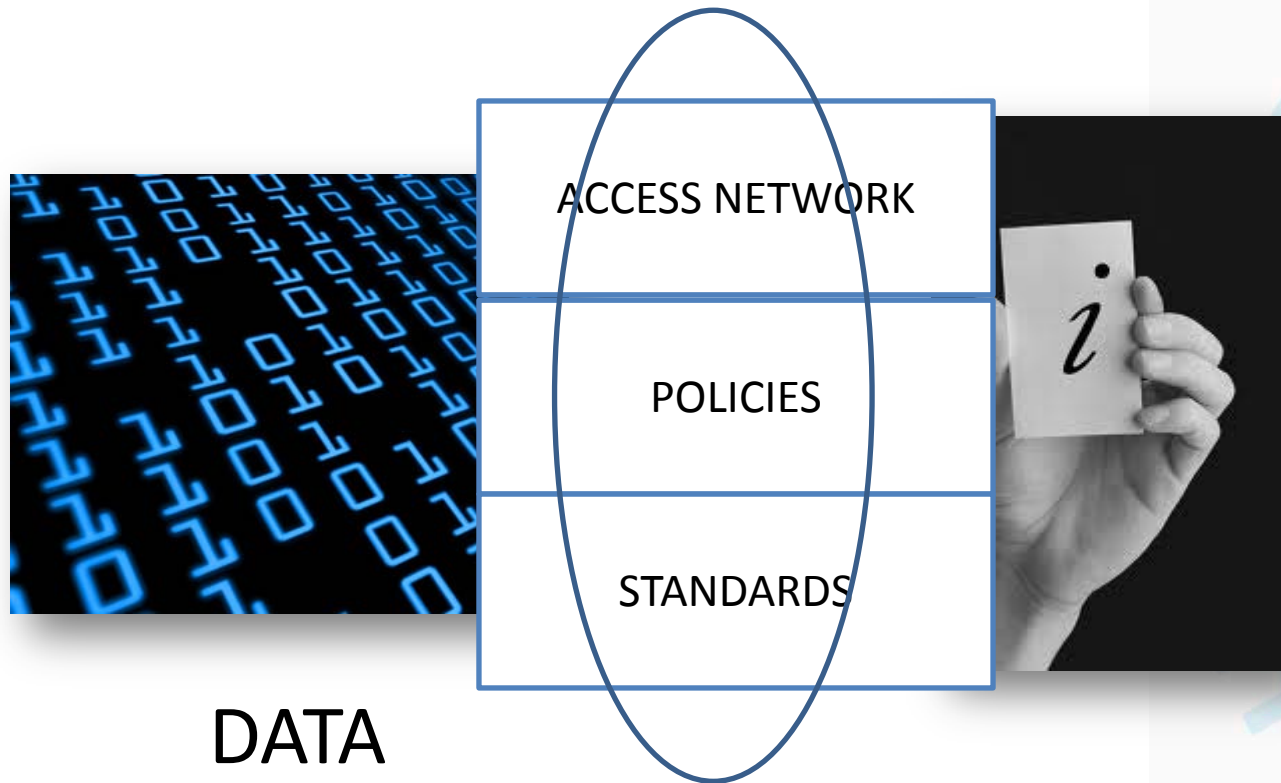


DATA

[Abbas Rajabifard]

PEOPLE

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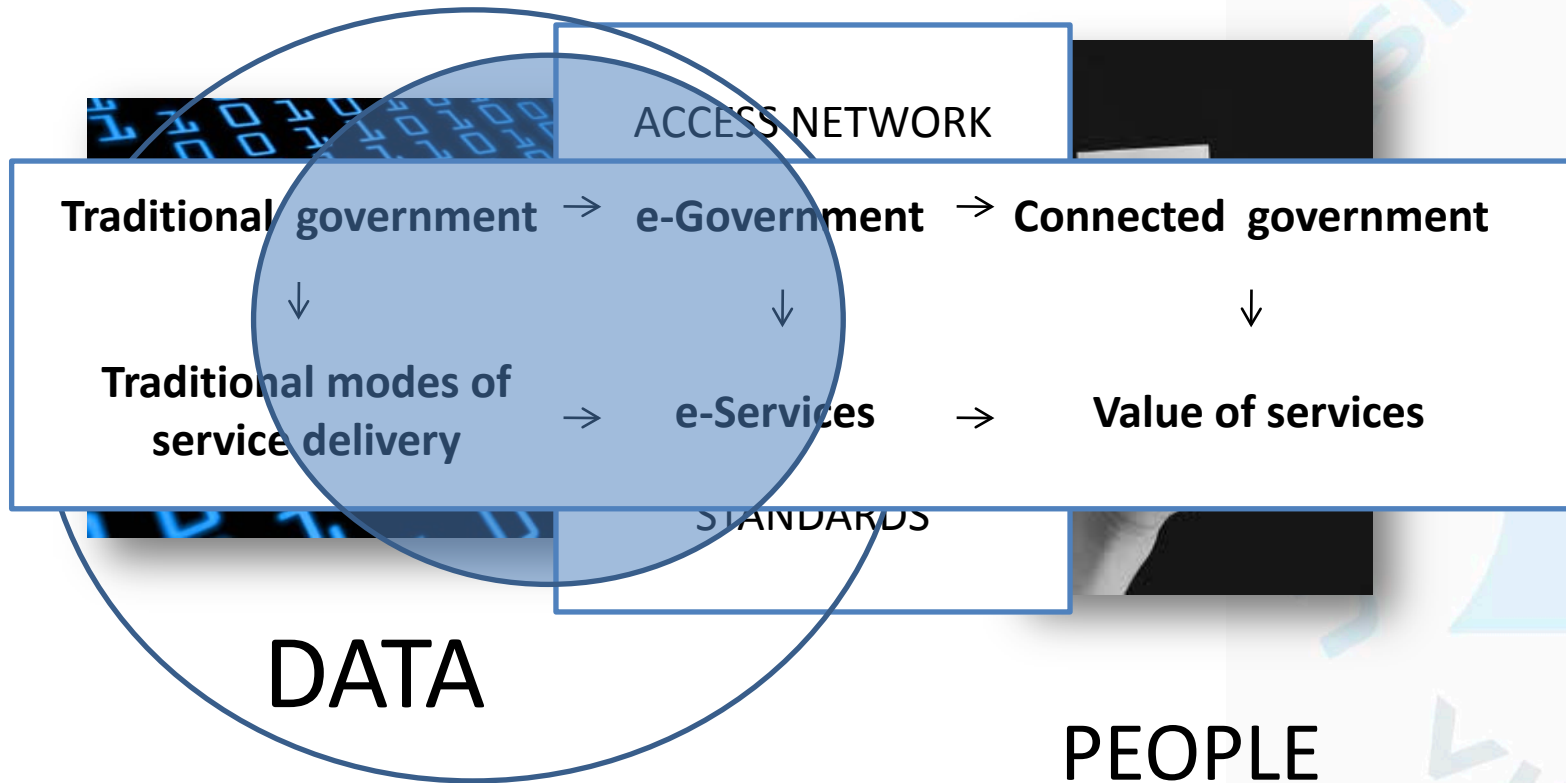
DATA

Spatial
Data Infrastructure
(SDI)

PEOPLE

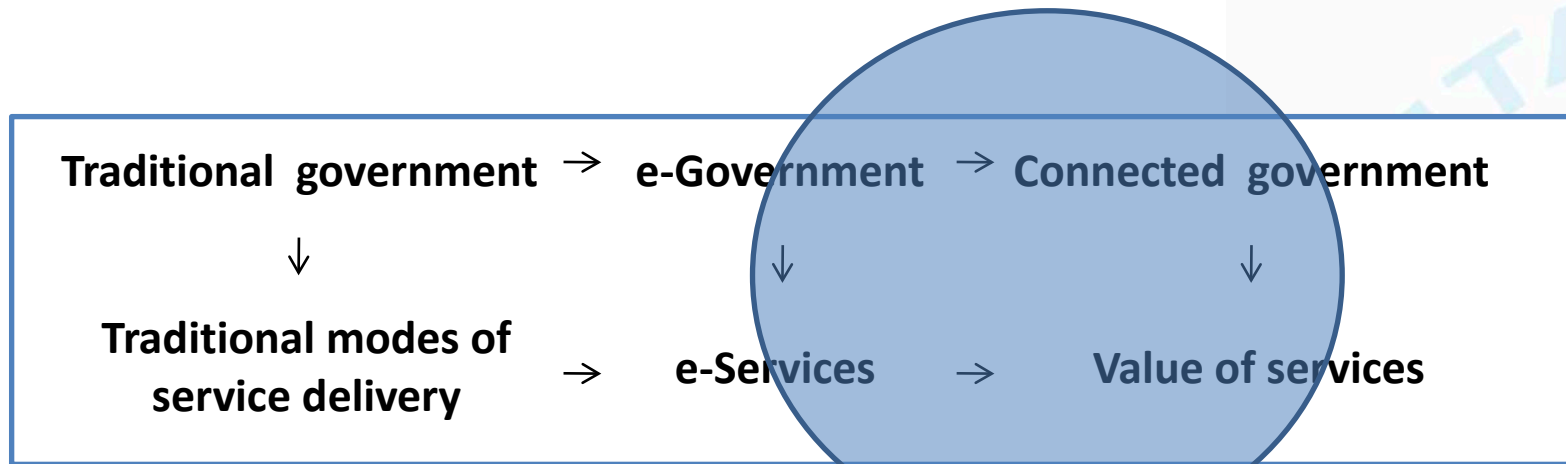
→ Spatial Enabled Government

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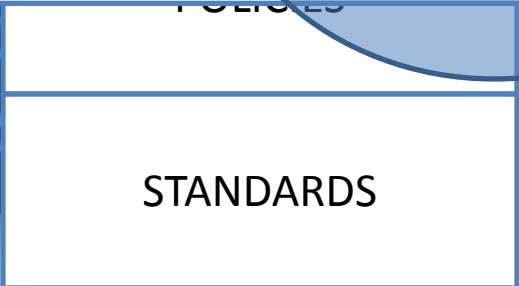


E-Government

An efficient e-Government



DATA



PEOPLE

An efficient e-Government

”...a holistic approach is recommended incorporating **human capacity**, infrastructure development and access to information and **knowledge**”.

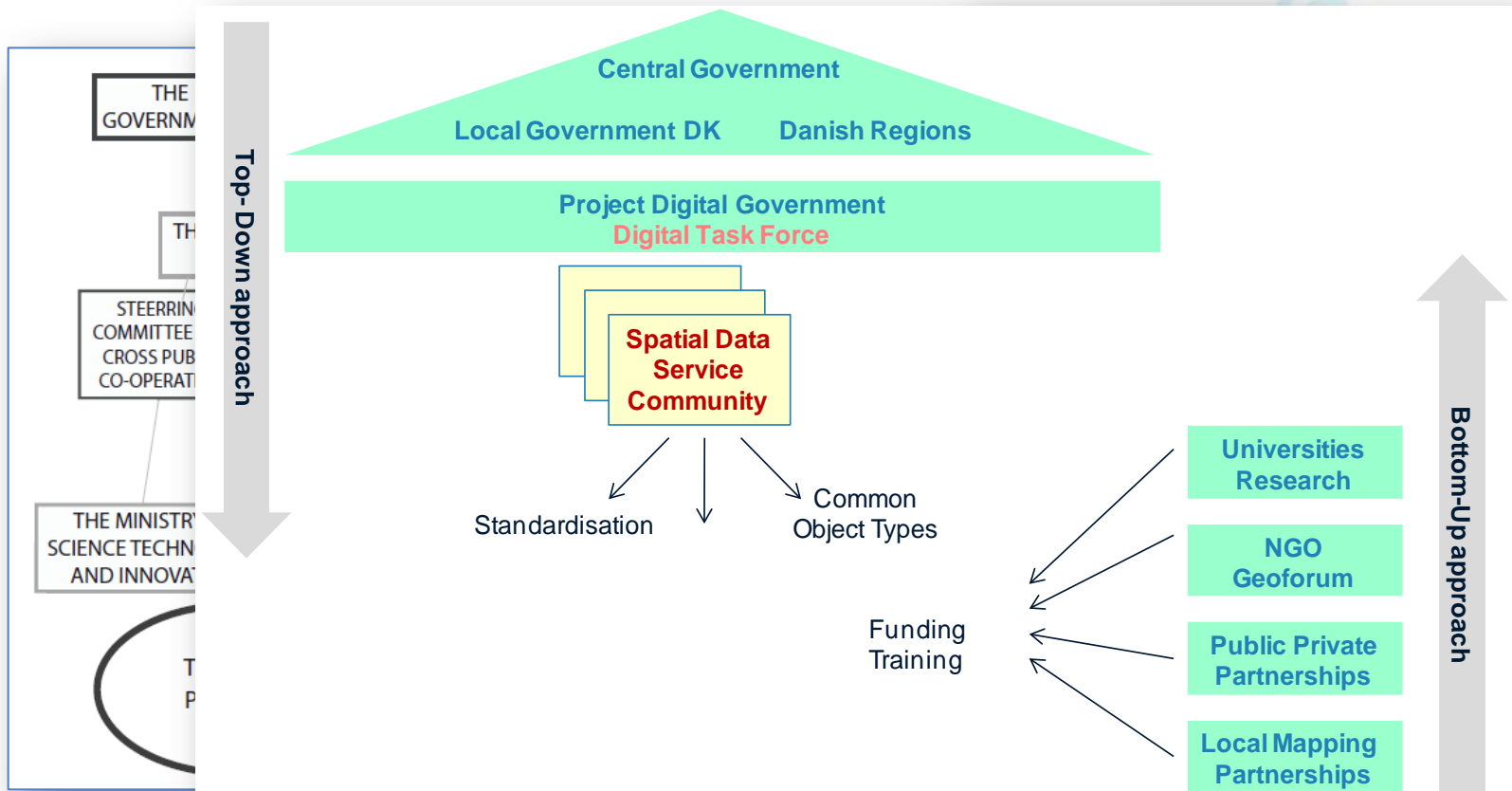
Illustration: The Danish Case (incl. our survey)



PEOPLE

An efficient e-Government – The people element

The Danish case



An efficient e-Government – The people element

The Danish case

Our survey ...

- Questionnaires sent to all 98 municipalities and to 53 national institutions working with geodata.
- overall response rate in 81 pct.



PEOPLE

An efficient e-Government – The people element

The Danish case

... Conveys a picture

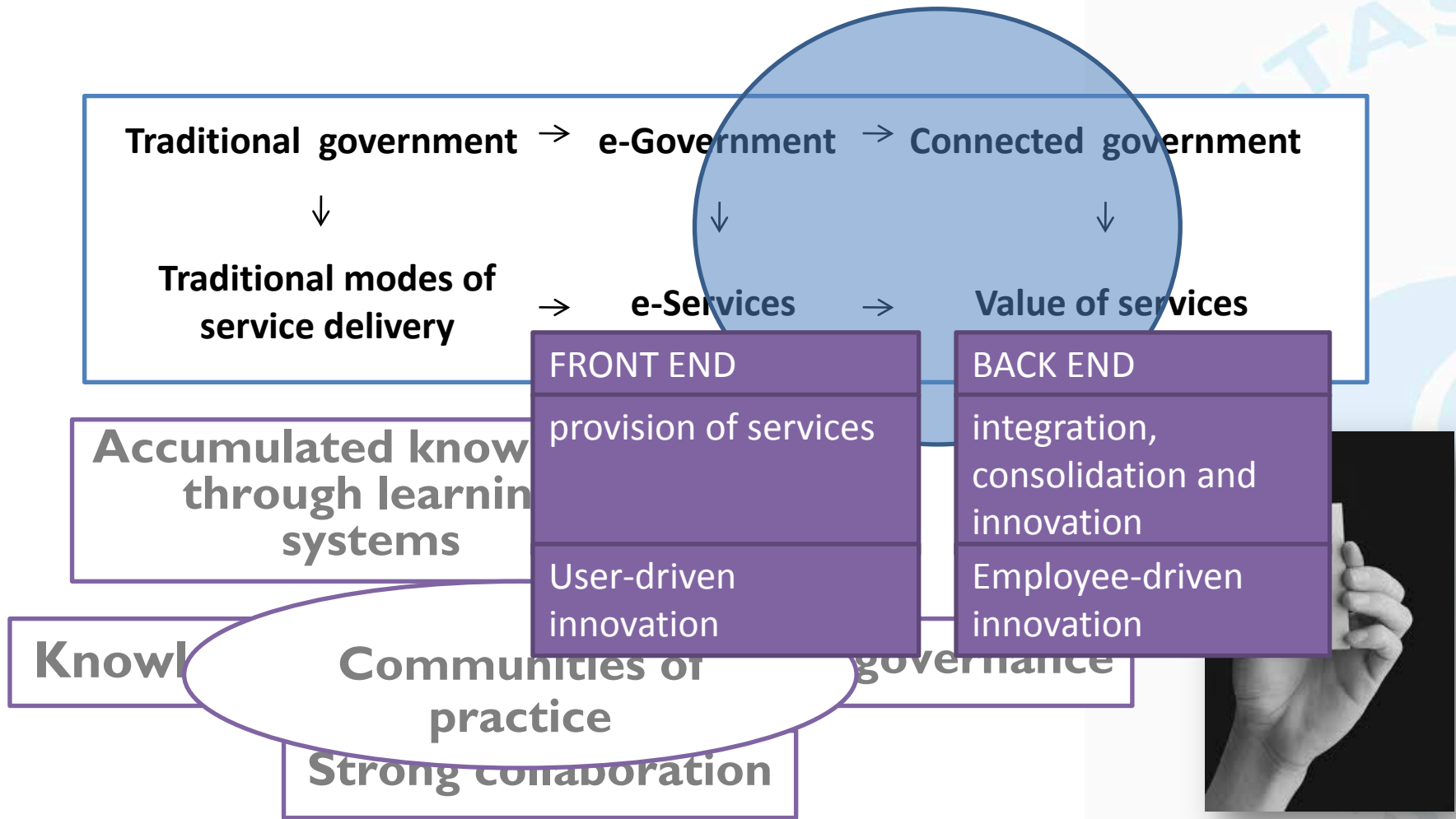
- of a model with a strong emphasis on the sub-national levels
- implementation is done by technicians in cooperation with leaders.
- The survey shows in general that the price (both regarding data and software accessibility (fast and simple), data accuracy are all important factors
- Although there is no national strategy more than fifty percent of the municipalities have a strategy for the use of geographic information and the development of administration systems and in the public service.



A high degree of awareness about changes

- For instance 75 pct are following the forthcoming implementation of the EU INSPIRE directive
- and an interesting observation: nearly 70 percent obtains the relevant information through an NGO association (Geoforum) and only 11 percent through the official EU-portal

An efficient e-Government



An efficient e-Government

Get connected !



Focus on the human aspect

- Knowledge sharing
- Learning systems
- Network governance
- Communities of practies



THANK YOU FOR YOUR ATTENTION
- COMMENTS AND QUESTIONS ?

Illustrations used in this presentation:

Slide 3 (evolution of man): www.irrashai.wordpress.com

Slide 4 (map): <http://www.test.findtoilet.dk/>

(keys): The Danish Department of Taxes, The Danish Survey and Cadastre: Undersøgelse af adressefællesskabet mellem CVR og BBR (Common addresses in the Central Enterprise Register and the Register of Buildings and Dwellings), Danish Ministry of Internal Affairs and the Danish Ministry of the Environment, Copenhagen (2000)

(people): www.open.salon.com

Slide 10 (data): www.sterlingsolution.co.uk

(people): www.nyahsa.org

Slide 19 (Danish case): Hvingel, Line (2009). Den multifunktionelle matrikel. Ph.d.Thesis

(Danish Case): Capacity building for SDI Implementation – A Danish Case Study, Henning Sten Hansen, Lise Schrøder, Line Hvingel Jesper Skovdal Christiansen. In Press IJSDIR (2010)

Slide 23 (get connected): www.netmission.dk