

# Semicolon

**Semantic and Organisational Interoperability  
in Communicating and Collaborating Organisations – issues  
in public sector in Norway**

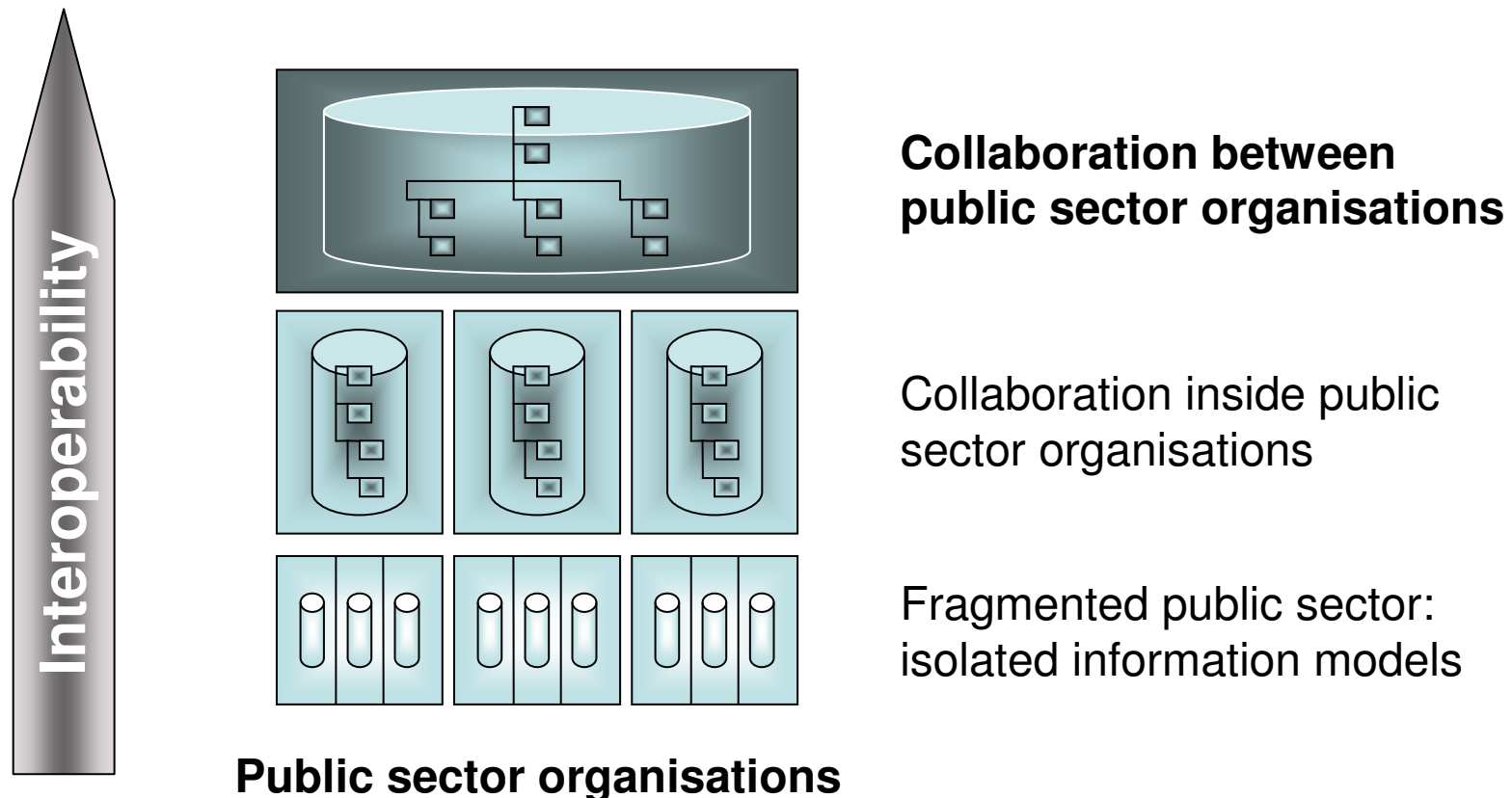
Arthur Berg Reinertsen, Karde AS

Gent, November 2009

# Background

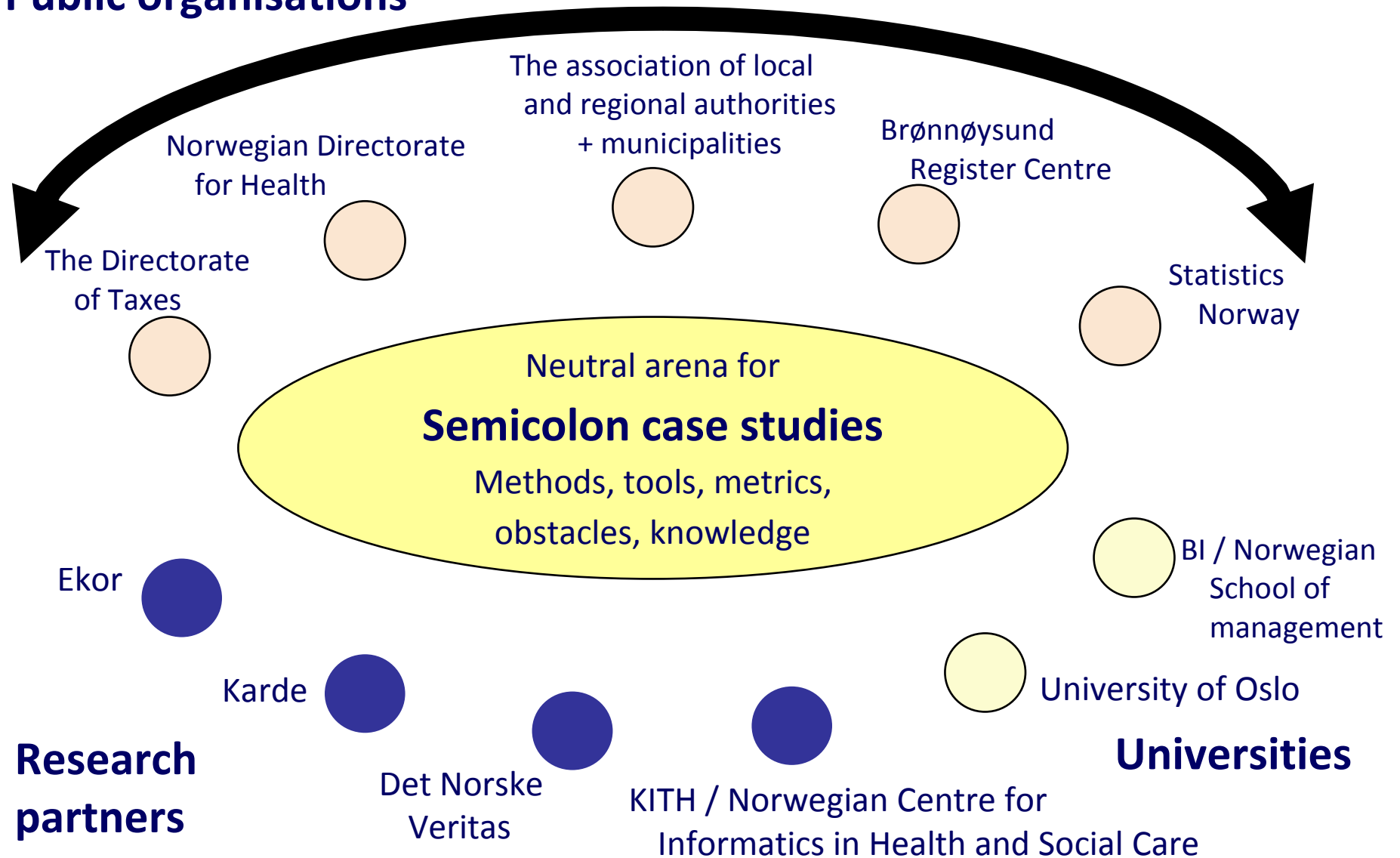
# Semicolon

## Semantic and Organisational Interoperability in Communicating and Collaborating Organisations

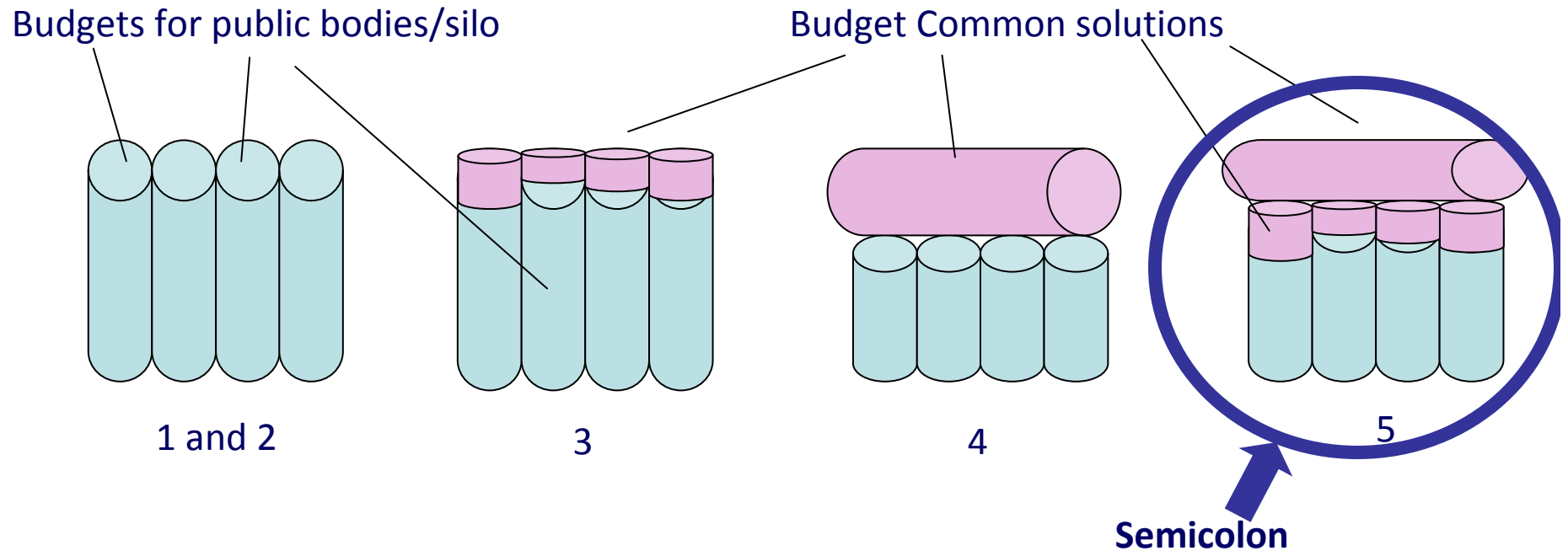


# Semicolon, participants

## Public organisations



# Management models – from FAOS-report



Management and budget model – stepwise development

1. Stovepiped budgets – talk about collaboration in management docs
2. Stovepiped budgets – requirements for collaboration in management docs
3. Budgets for common solutions in stove pipe budget
4. Budgets for common solutions administered centrally and distributed
5. Combination of 3 and 4

Source: Karl Olav Wroldsen, Tax

# Goal of Semicolon

- Develop and test ICT-based **methods, tools and metrics** to obtain faster and cheaper semantic and organisational interoperability both with and within the public sector.
- Establish a set of useful recommendations for public sector as an aid to increase interoperability
  - To be maintained by The Agency for Public Management and eGovernment (DIFI) and the **Council of Public Sector Standards**

# Semicolon activity overview

## Semicolon cases and methodology development

### Measurements

Maturity, obstacles, Benefit management

### Enterprise architecture

Public sector

### Public sector information

LOD/Web 3.0

### Social networks

### Tax

eDialog  
"Birth"

### Tax

Metadata-model

### BRREG

SERES

### Statistics

Macro data

### Health

Birth  
Message

### Municipalities

Collaboration  
principles

## Public department cases

## Arena for collaboration

- Neutral
- Multi disciplinary
- Universities and important centers of competence

# Facts

- User directed innovation projects
- Verdikt-programme in the Norwegian Research Council
- Web-site: [www.semicolon.no](http://www.semicolon.no)
- 3 years, Oktober 2007 – December 2010
- 3 postdoctors, 2 from UiO and 1 from BI
- Total budget: 7,5 mill euro (60 million NOK)
  
- Financing from Research Council: 2,25 mill euro (17,65 mill NOK – 35 %)
- Contributions from public sector (money): 1,25 mill euro (9,8 mill NOK)
- Contributions from public sector (labour): 4 mill euro (18,4 mill NOK)
  
- Contact person:
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Tel: + 47 - 908 44 023



# Semicolon cases

# Cases, initiated by the public organisations

- eDialogs: long lasting cross sector services to citizens and business
  - E.g. in life cycle situations for persons:
    - Birth, death, move to another country, the never ending taxing regime
  - E.g. in life cycle situations for companies
    - Foundation of a new company, the never ending taxing regime
- Metadata model
  - The use of meta data for internal and external purposes
  - Establishment and use of a common component for semantics for service development, systems development and modernization of systems
- Open data and metadata i eGovernment
  - Which organisations in Public sector has what information
  - To ensure the reuse of Public Service Information (PSI), both for internal cross sector purposes, but also for commercial purposes
    - Market value of PSI in Europe is €27 billion

# Sub-projects, initiated by the research group

- Measurements and metrics
  1. Organisational stage and growth model
  2. Organisational obstacles and drivers
  3. Semantic growth model, obstacles and drivers
  4. Cost/benefit analysis and metrics
- Business model for public sector
  - (tightly connected to Open Data and Metadata)
- Social networks and eGovernment, Web 2.0, Twitter, Facebook
  
- Semicolon-method, input and consolidation from all cases
  - General method for the establishment and improvement of collaboration
  - Public sector as test bed