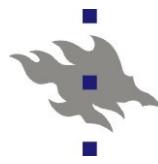


SOA emergence

**Palveluorientoituneisuus
yritysjärjestelmiin**

**Avoin seminaari
5.12.2006
SOAMeS**





SOA emergence

Palveluorientointuneisuus yritysjärjestelmiin

Seminaarin avaus

9.20 – 10.05 Mirja Pulkkinen, Jyväskylän yliopisto:

Organisaation johtamisen ja ICT:n johtamisen prosessit ja niiden vuorovaikutus;

Enterprise Architecture -foorumin esittely

Kahvi

10.25 – 10.55 Neuvotteleva virkamies Aki Siponen, VM:

Voiko valtionhallinnon tietojärjestemien nykytilaa kuvata?

11.00 – 11.30 Järjestelmäpäällikkö Jarmo Kaipomäki, TM:

CASE-kuvaus SOA:n käyttöönotosta Työministeriössä

Lounas

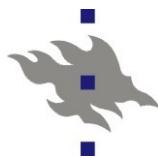
12.30 – 13.15 Kari Lehtinen, Business Manager, SAP Business Consulting:
Business development through SOA

13.15 – 14.00 Konsultointipäällikkö Heikki Mattsson, Oracle:
SOA, ERP & Oracle Fusion Applications

Kahvi

14.30 – 15.15 Kari Lehtinen, Elisa/DIMES:
eBUS

15.15 – 16.00 Keskustelua ja seminaarin päätös



Impacts

■ Business changes

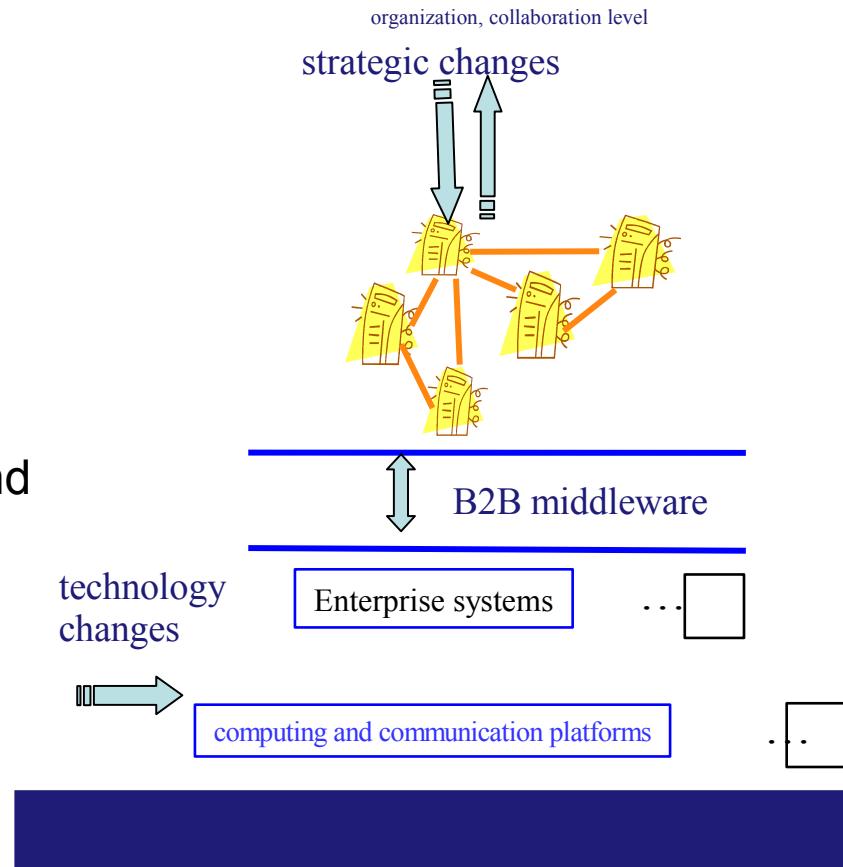
- New business network models, opportunities
- IT investment style changes
- More open service markets
- Regulatory involvement

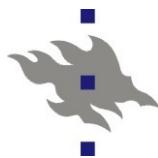
■ Software development cycle and tools

- Continuous process of composition and management
- configurability by business rules and policies

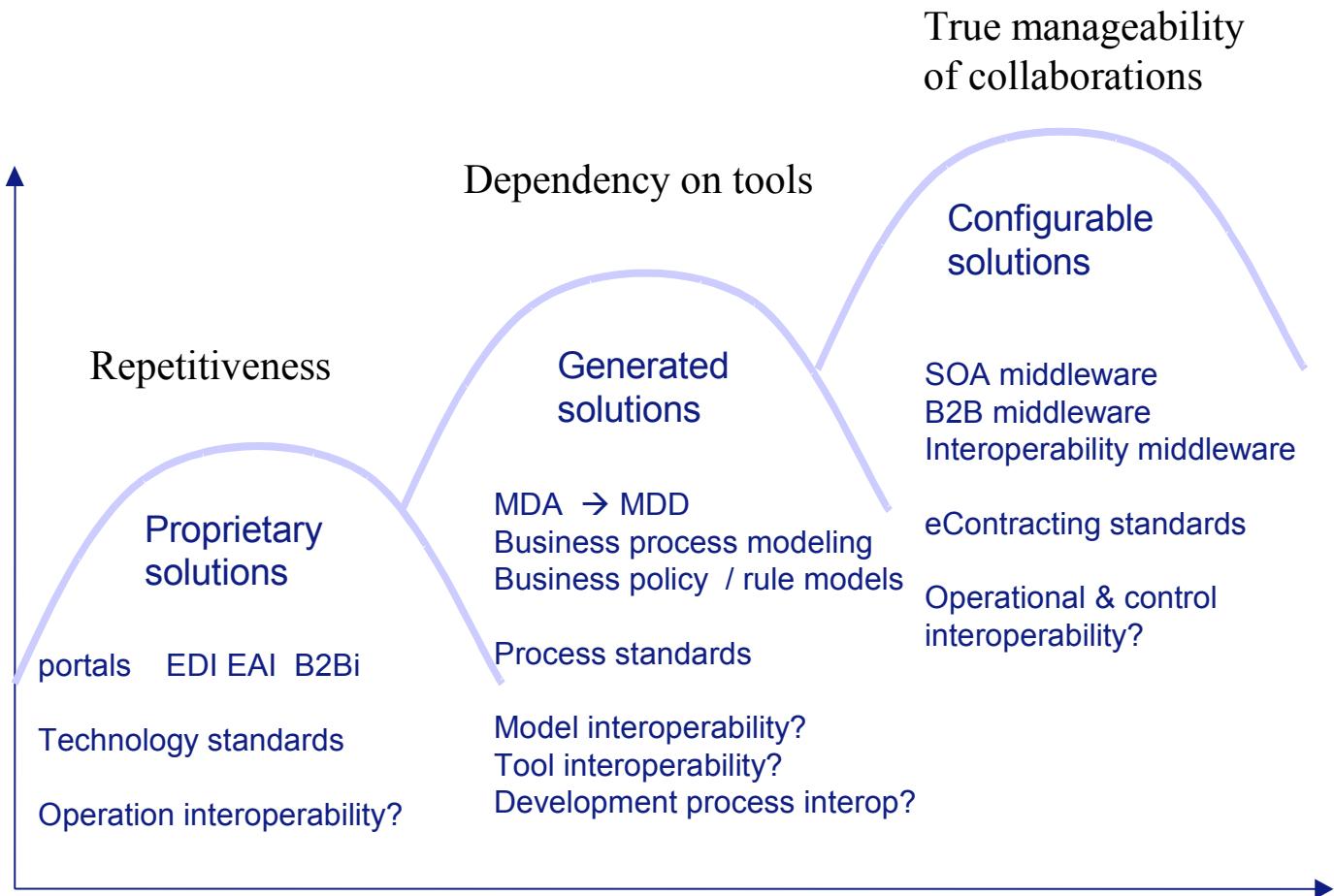
■ Architectural changes for IT

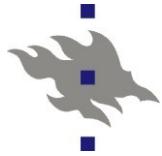
- Enterprise system architectures
- Middleware stacks





Trends





LISÄTIEDOJA

<http://cinco.cs.helsinki.fi>

YHTEYSTIEDOT

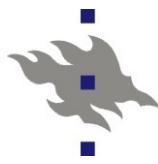
**Tietojenkäsittelytieteen laitos
PL 68 (Gustaf Hällströmin katu 2b)
00014 Helsingin yliopisto**

Lea.Kutvonen@cs.helsinki.fi

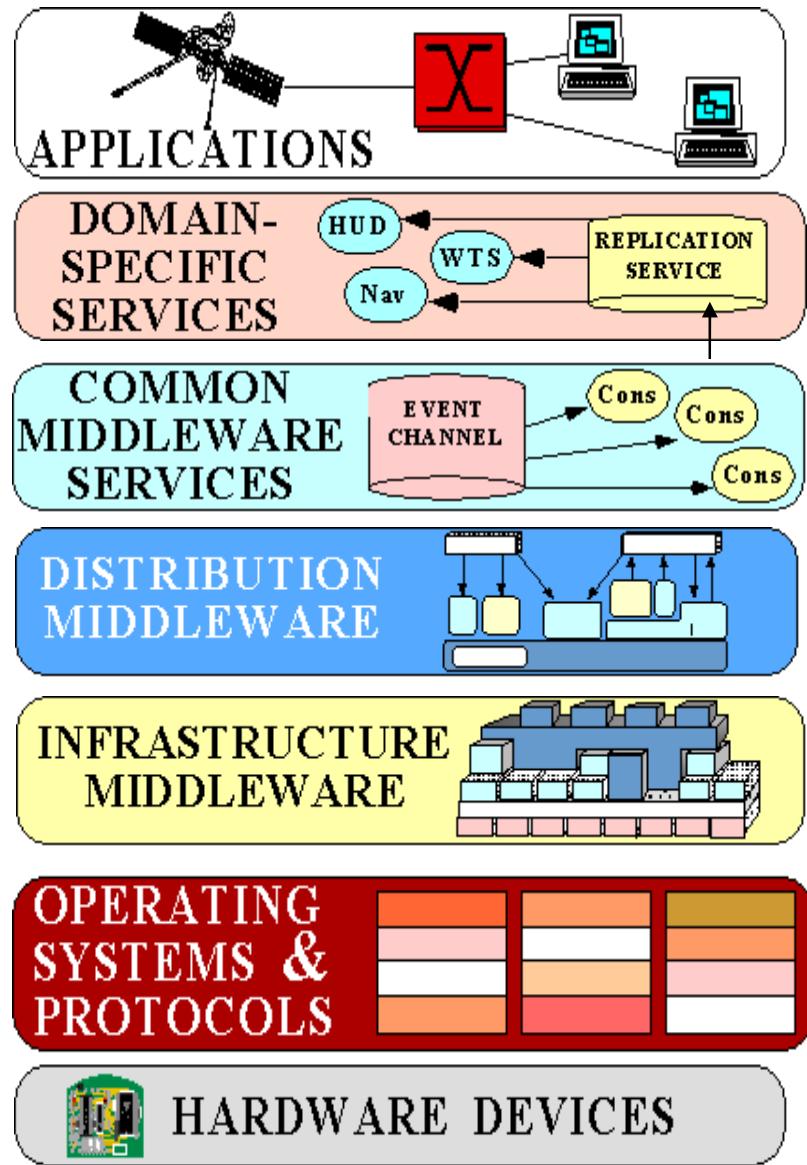
<http://www.cs.helsinki.fi/Lea.Kutvonen/>

Puhelin: 09 191 51362

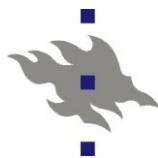
Fax: 09 191 51120



Väliohjelmistotasot



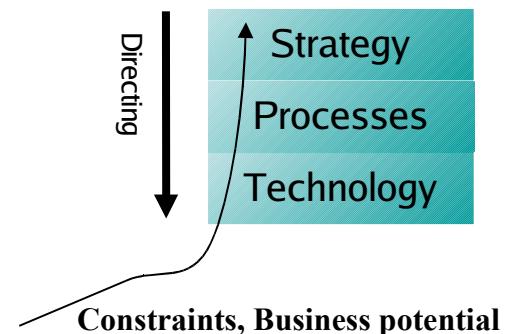
- **sovellusalueen palveluja:** lennon navigointialgoritmeja, potilastietokantamalleja
- **yleispalveluja:** ilmoitukset, turvallisuus, transaktiot, kuormantasaus, tietovirrat, vikasietoisuus
- objektien ja komponenttien välinen **kommunikointi** (RMI, CORBA)
- **yhtenäinen** näkemys käyttöjärjestemä- ja kommunikointipalveluihin

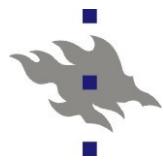


Goals

Provide B2B middleware, infrastructure services, and tools

- Inter-enterprise eCollaboration
 - Econtracting: partner selection, negotiation, and monitoring
 - Breach management
 - Trust management
- Metainformation services
 - Service type and ecommerce model management





Architecture approach

collaboration



application services

internal process logic, capsule information,
internal computational, engineering and technical solutions

B2B middleware

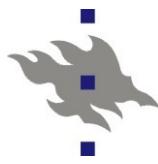
contract
mgmt

static
interop
tests

eComm
moni-
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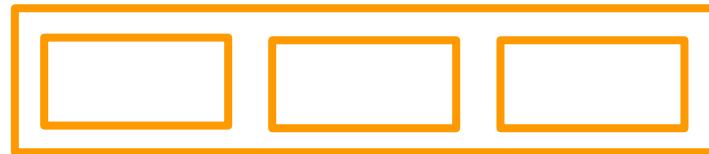
communication services
with selectable
transparency sets

DOC middleware



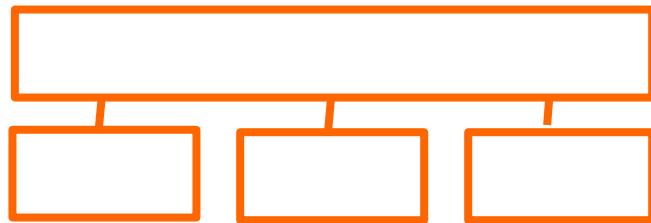
Integration approaches

Federated



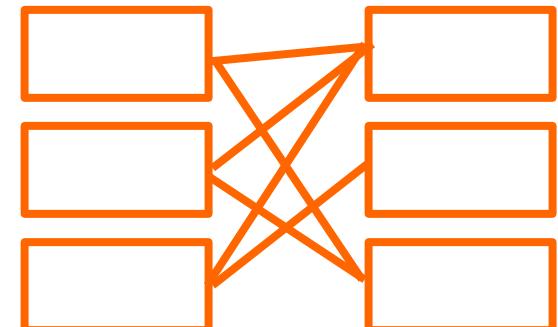
coupled individual models

Unified

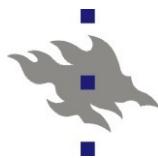


mapping to common model

Integrated

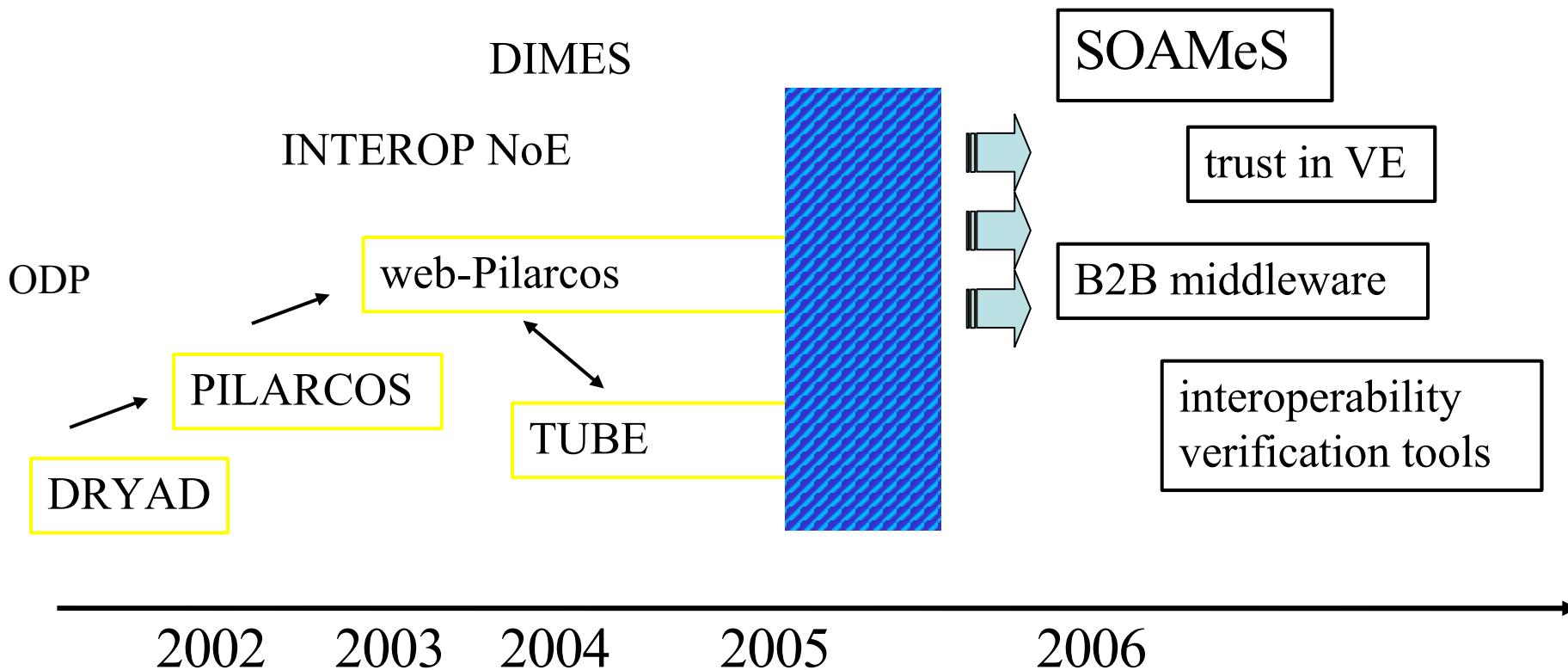


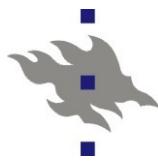
common model



CINCO group

- ODCE gets family and new clothes





ODCE history

Process-oriented

Web-Pilarcos II
breeding environment
P2P operational environment

Service-oriented

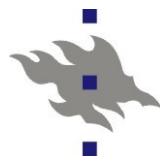
Web-Pilarcos I
population, interoperability checking,
P2P negotiation, contracts,

Component-oriented

PILARCOS
population of network frame
P2P with matching service offers

Object-oriented

DRYAD object trading service
for matching service offers
and requests
C/S for dynamic bidding



Between ODP and SOA

collaboration

application services

internal process logic, capsule information,
internal computational, engineering and technical solutions

B2B middleware

population

trader

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rep.

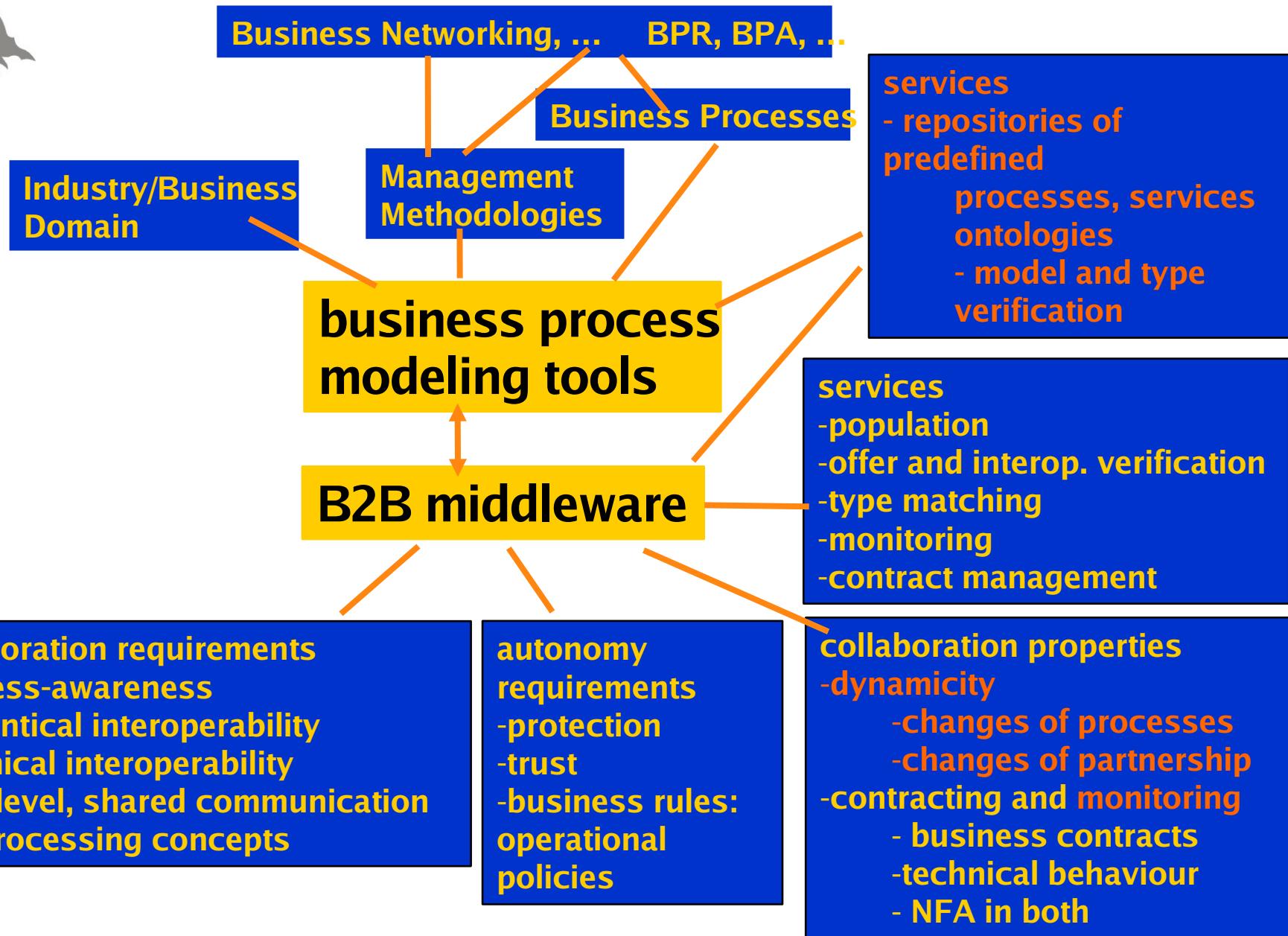
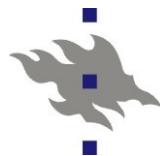
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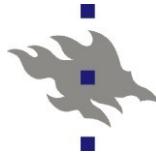
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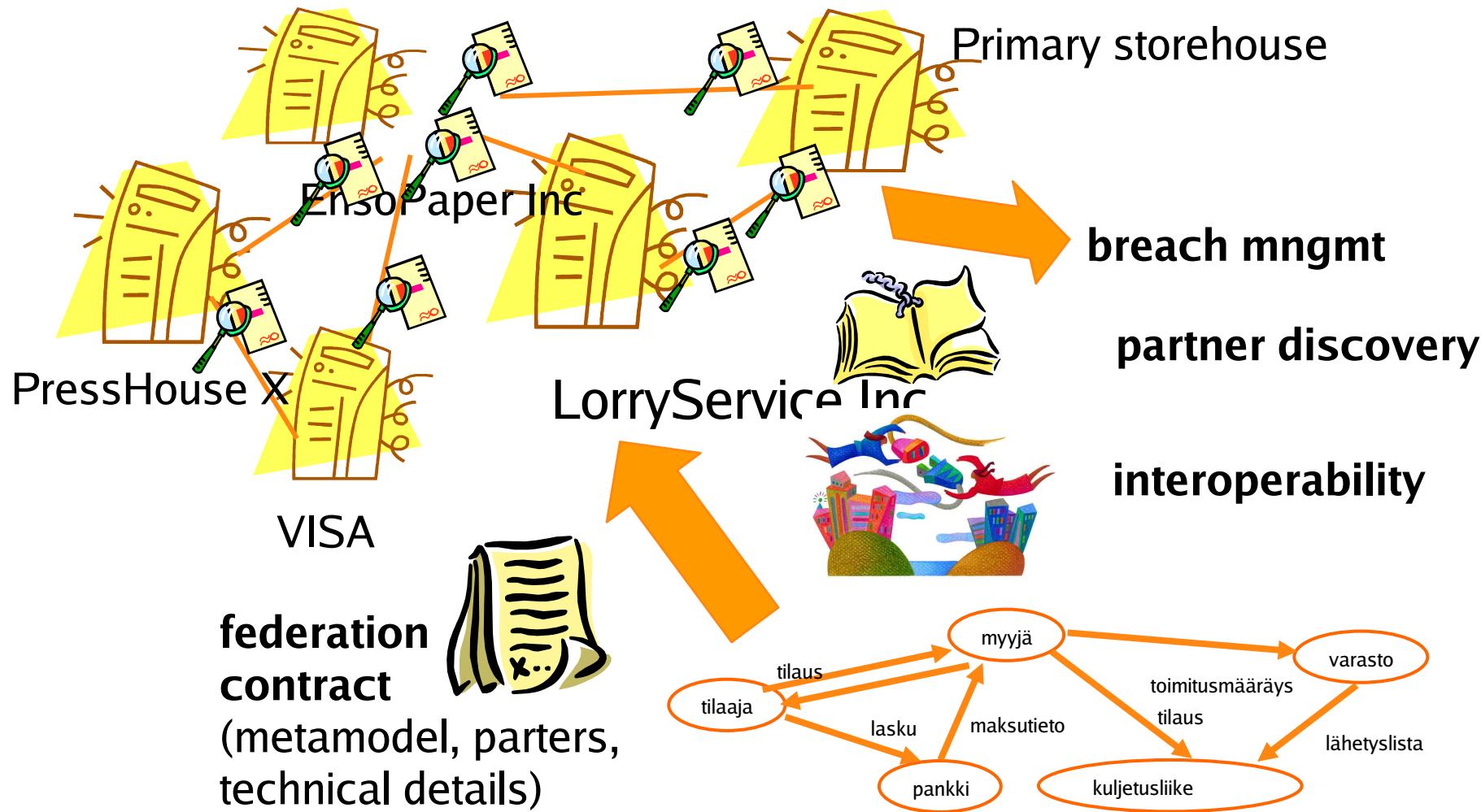
communication services
with selectable
transparency sets

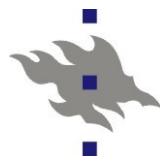
DOC middleware





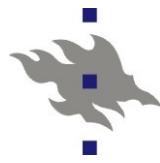
B2B middleware: eCommunity management





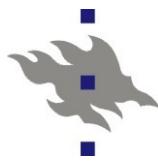
ODCE in numbers

- Funding: over 800.000 euros (25-30 % of NODES, 5-6 % of CS)
- PhD theses: 1
- MSc theses: 60 (distrib > SE >IS) (1/3 of NODES throughput)
- Batchelor theses: 40
- Seminars: 9, Projects: 6
- New regular courses: 2
- Project consortia workshops: 25 + ???
- Publications: 50
- Senior personel ODCE:NODES = 1:10
- International publications at least at the same level with that



CINCO in numbers

- PhD theses: 2008 onwards
- Licentiate theses: 2-3 in 2006
- MSc theses: 9/year so far
- Bachelor theses: group / year?
- Seminars: 2/year, Projects: under discussion
- Project consortia workshops: 1-2 for project/year
- Publications in 2005: 12 completed
- Personnel growth in 2006
- Funding: 150.000-200.000 euros / year



Project family

