

May 6th, 2015

Architecture as a Service

- EA documentation in distributed organizations

Søren Alain Mortensen
samo@sdc.dk

SDC

CV Søren

- Coherency Architect, SDC & External lecturer, IT University of Copenhagen
- Cand.Jur. 1994, University of Copenhagen .
- Public sector profile, National IT & Telecom Agency, Digital Task Force, IBM Software Division, Chief Architect Ministry for Food, Agriculture and Fisheries, BRFkredit & bank, Dong Energy
- Chair, Association of Enterprise Architects, Chapter Denmark

Focus

- Business driven IT
- EA in practice
- Enterprise SOA and Cloud

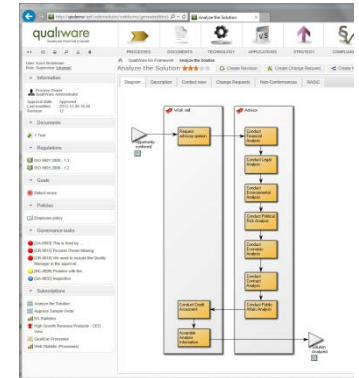


What are distributed organizations?

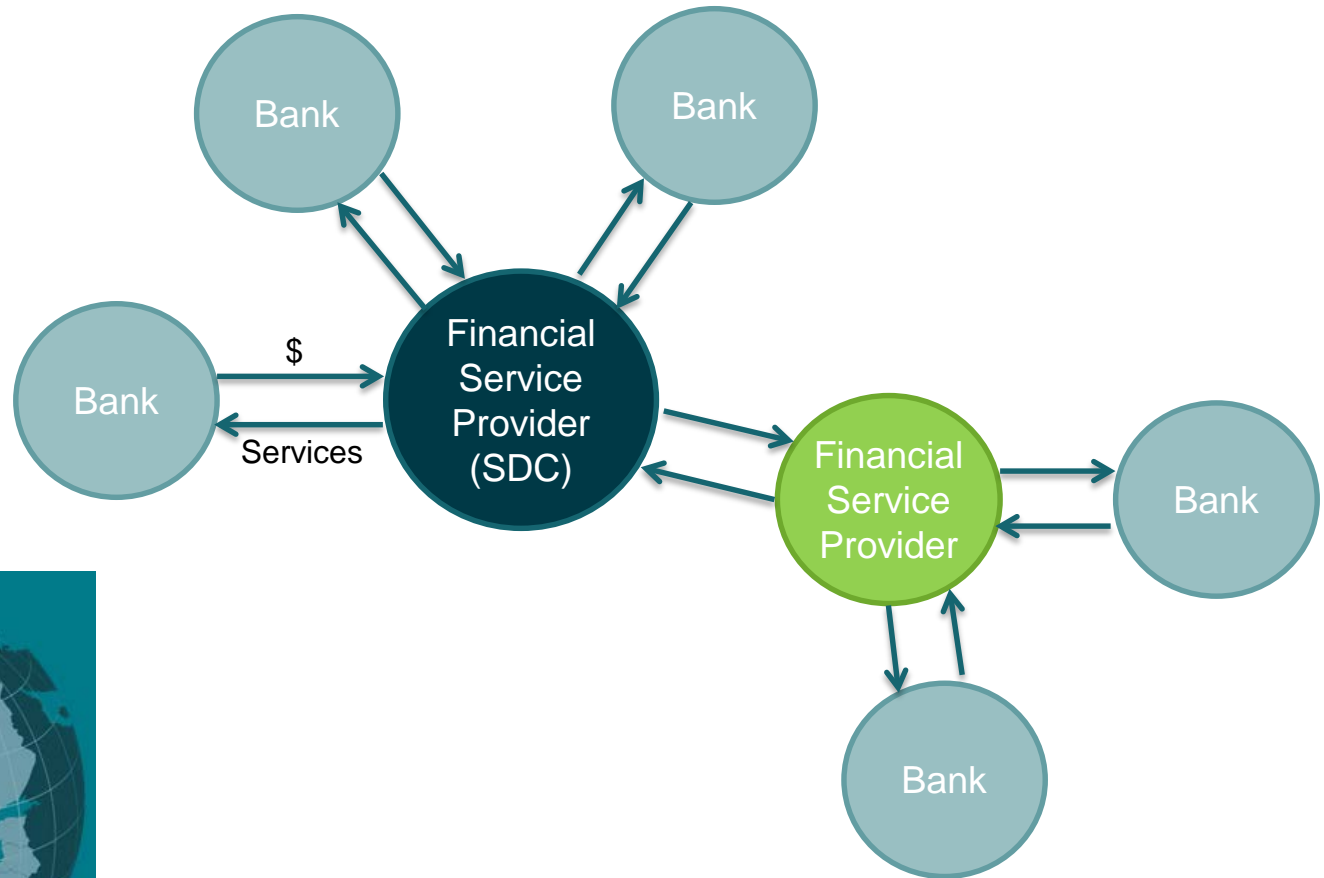
Distributed organizations are organizations that share processes, assets or customers.

Examples

- Public sector have processes that run across agencies
- A powerplant can have shared ownership
- Public sector share the same customers
- Banks and other financial institutions may share a common banking datacenter

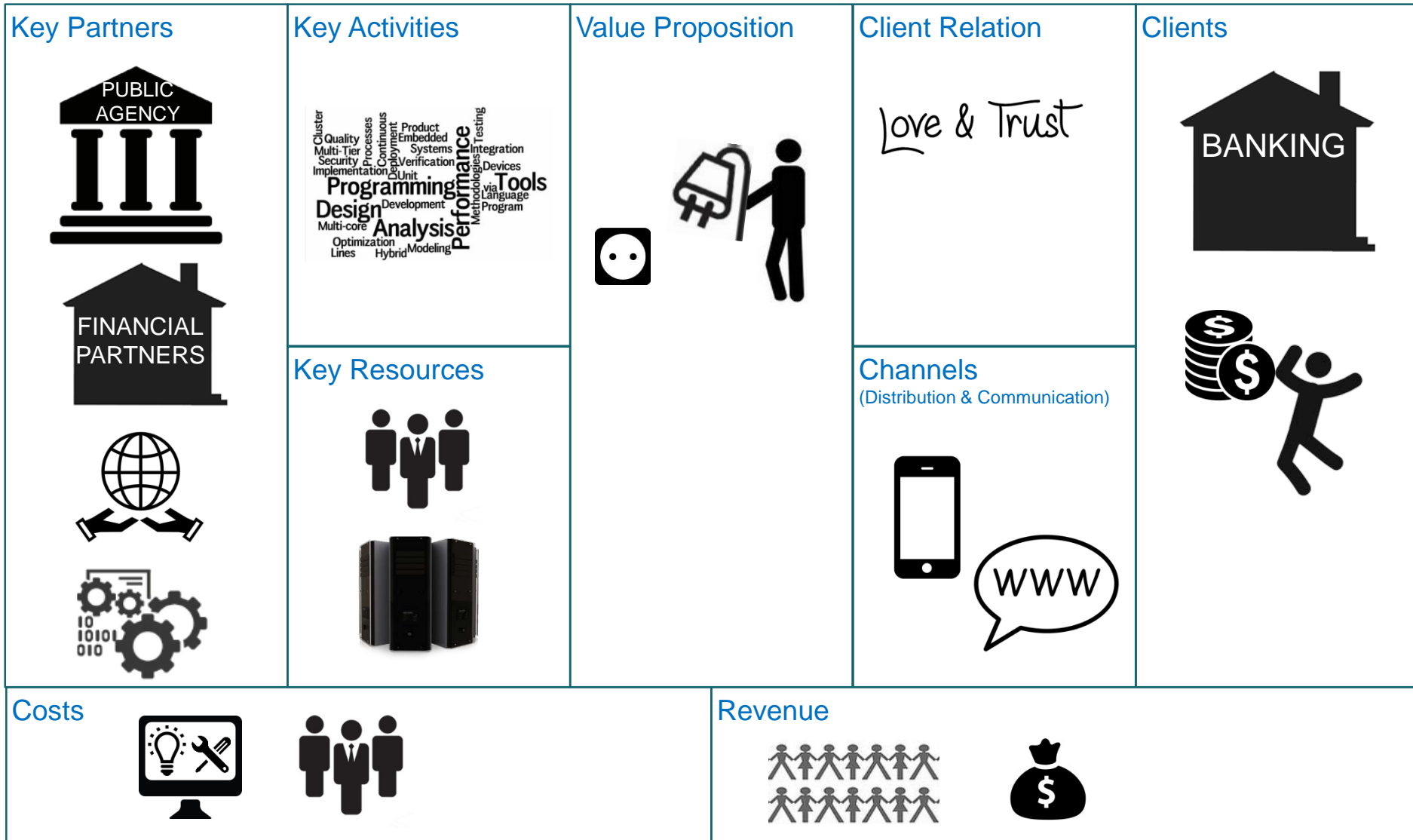


SDC business model – classic subscription



08-05-2015
Version

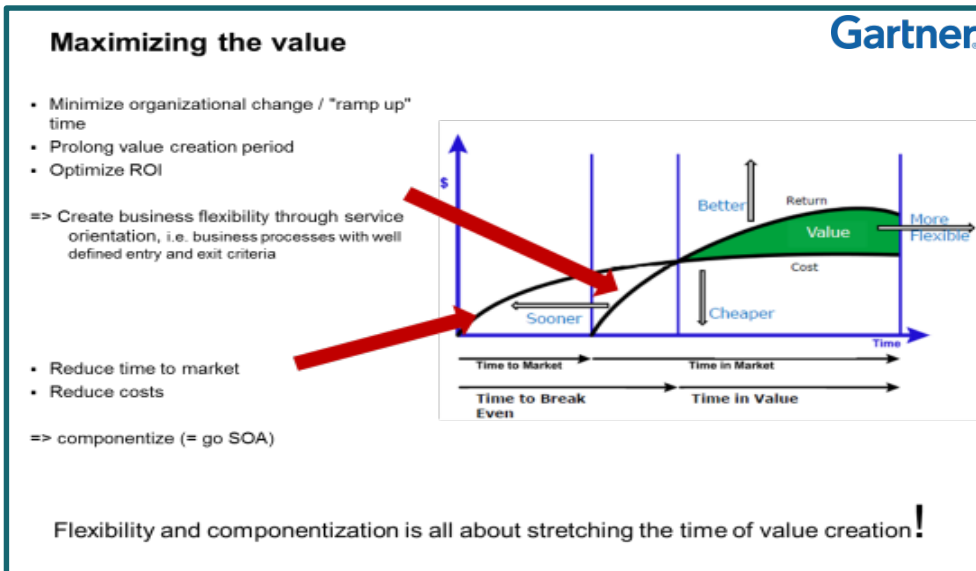
SDC business model



Structured, cohesive and reusable documentation

- but why?

It's all about professionalization of requirements specification, development process and operations



Customer perspective (outside-in)

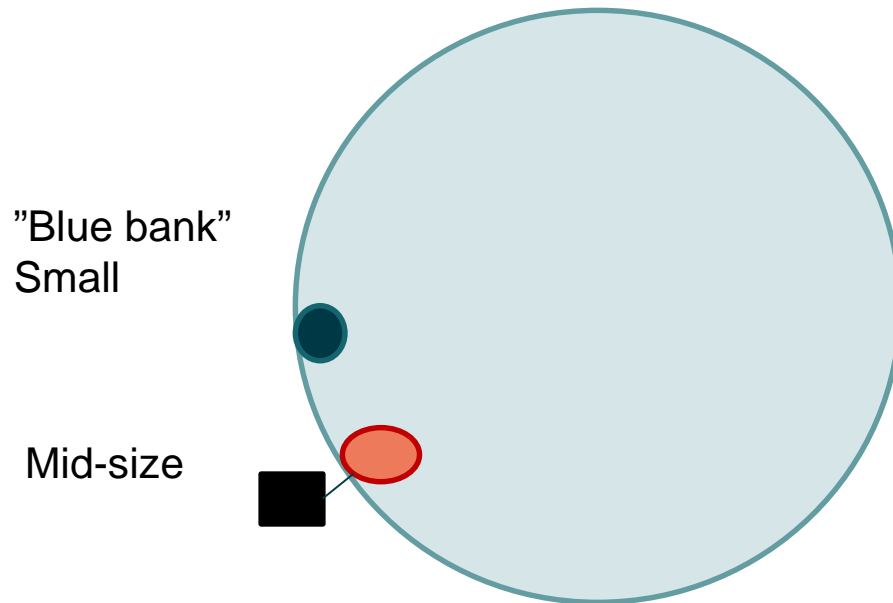
- Understanding the customers business and "job to be done"
- Presentation of solutions
- Impact analysis

Internal perspective (inside-out)

- Faster and less costly projects
- Reuse of work
- Impact analysis
- Finding errors

So this is great, we get at great overview of our business and systems ...

SDC's perspective



... but not of our customers systems or their integration context to SDC's systems

Nor do our customers get at good overview of their complete architecture and systems portfolio ...

Customer perspective

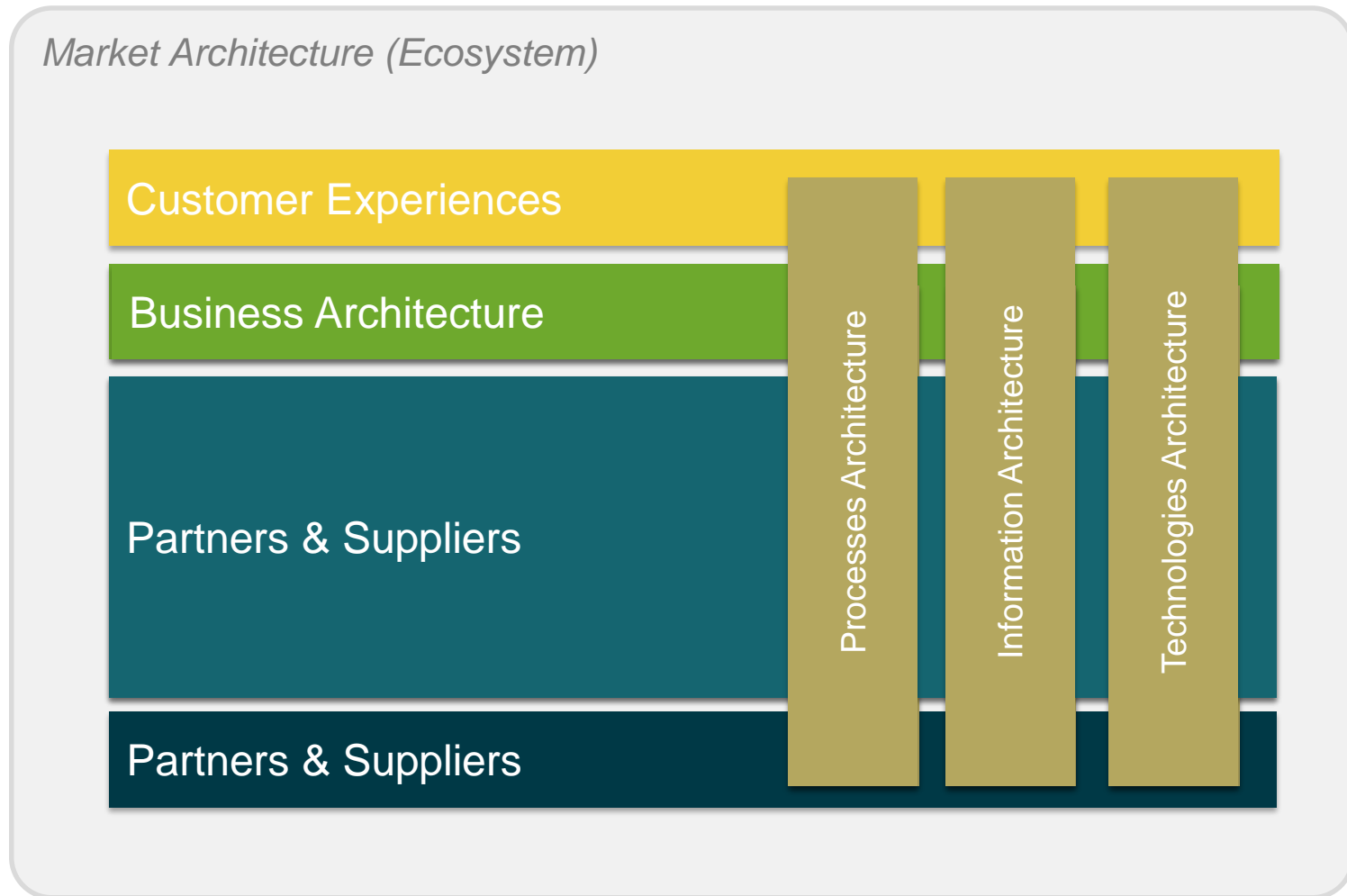
"Blue bank"
Small

Mid-size

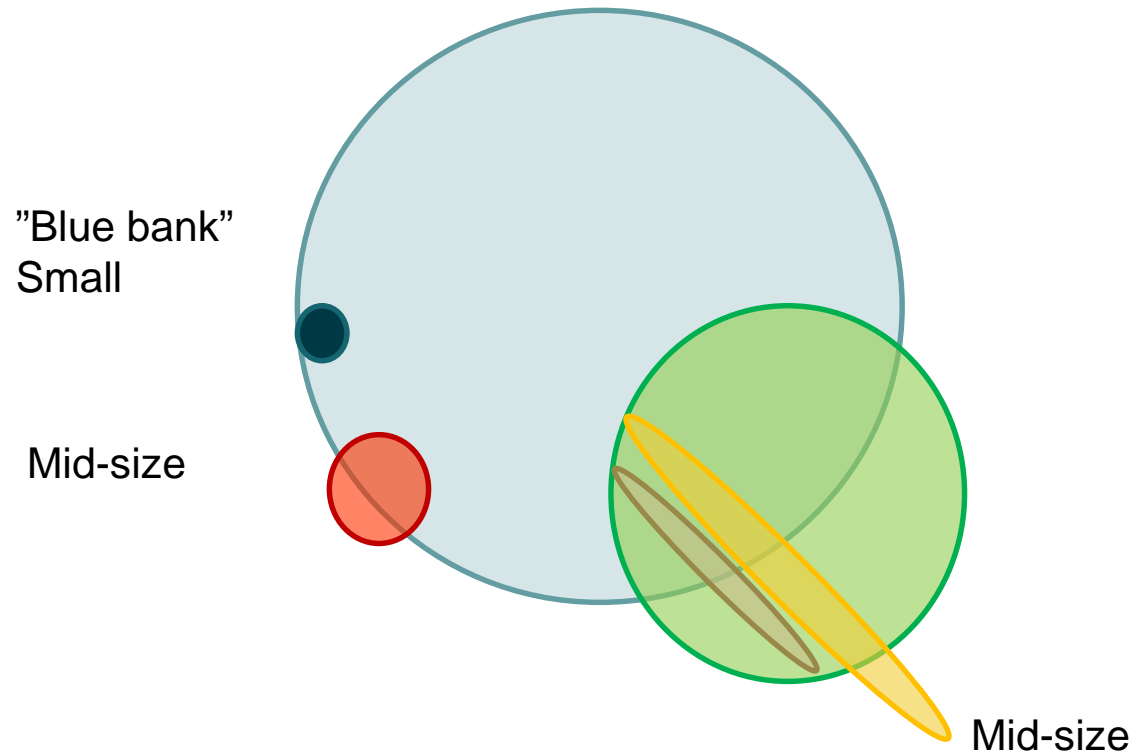


... since SDC's systems would be a giant black box in their architectures

Market Architecture (Ecosystem)



Documentation in a distributed company or a company with distributed assets (outsourced systems etc.)



What is Architecture as a Service (AaaS)?

AaaS is

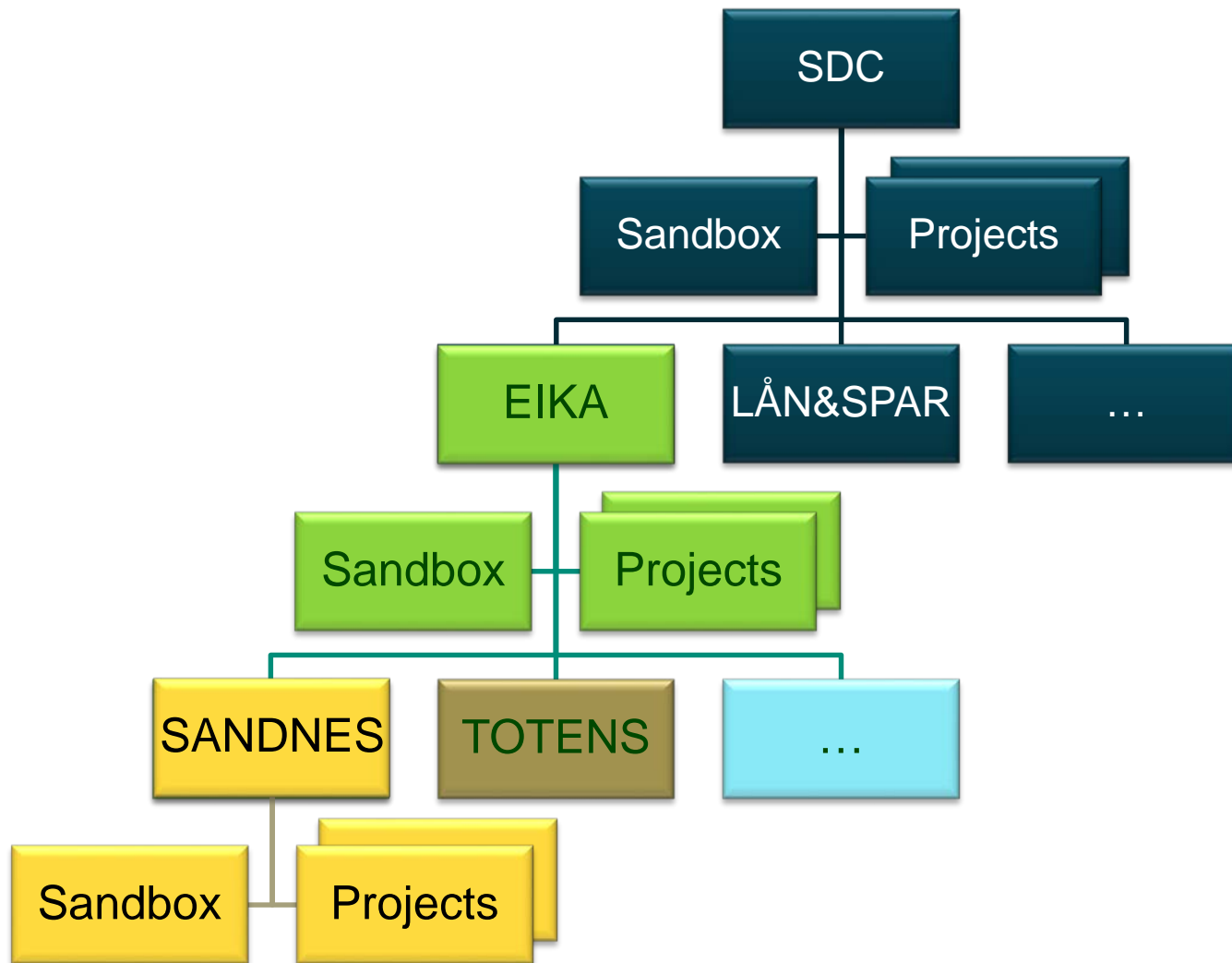
1. EA documentation capability across organizational and corporate boundaries
2. EA consulting within the ecosystem



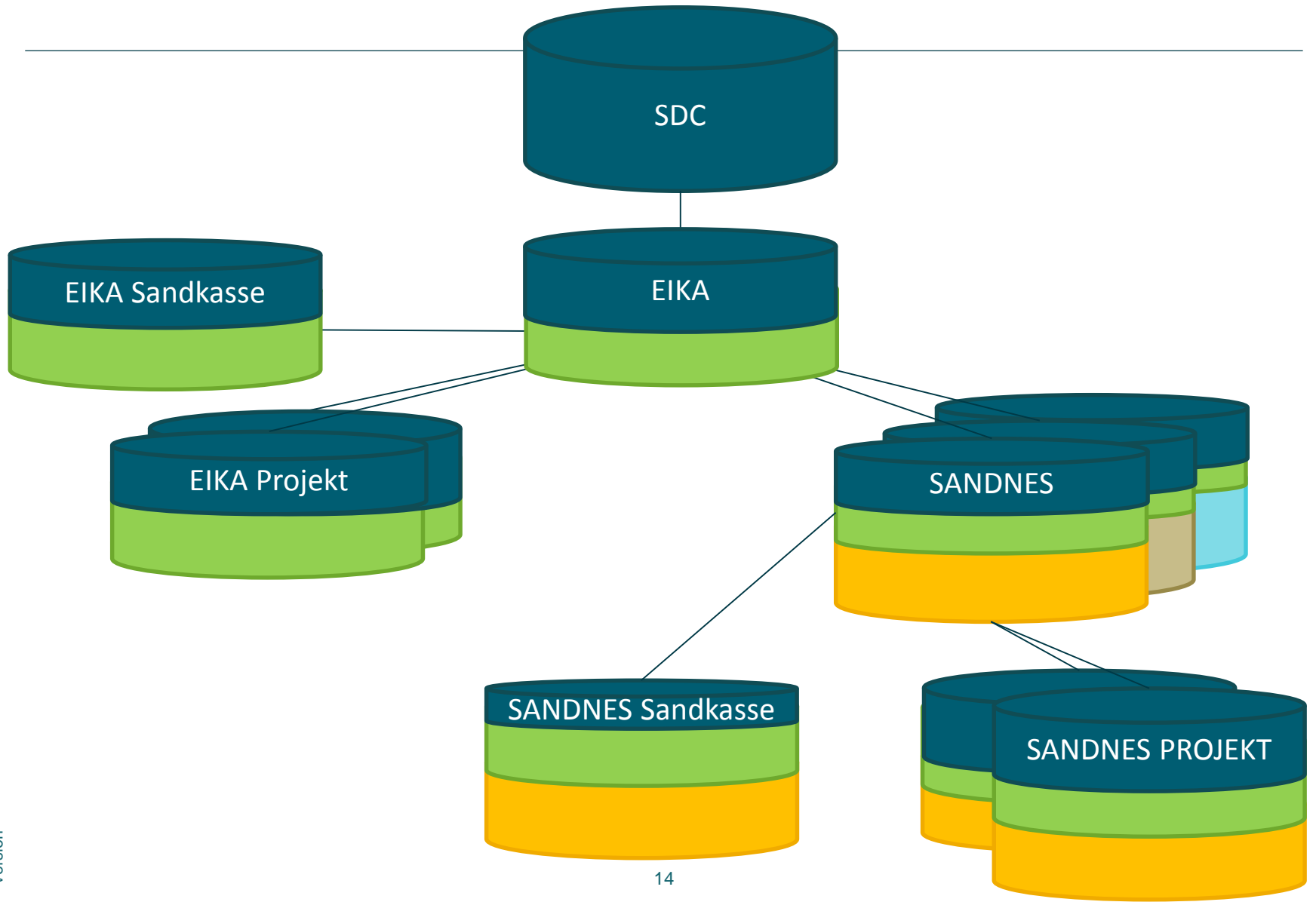
Business value of AaaS

1. Complete architecture overview (which is not otherwise possible)
2. Improved cooperation on projects involving multiple corporations
3. Reduced cost

Repository and structure

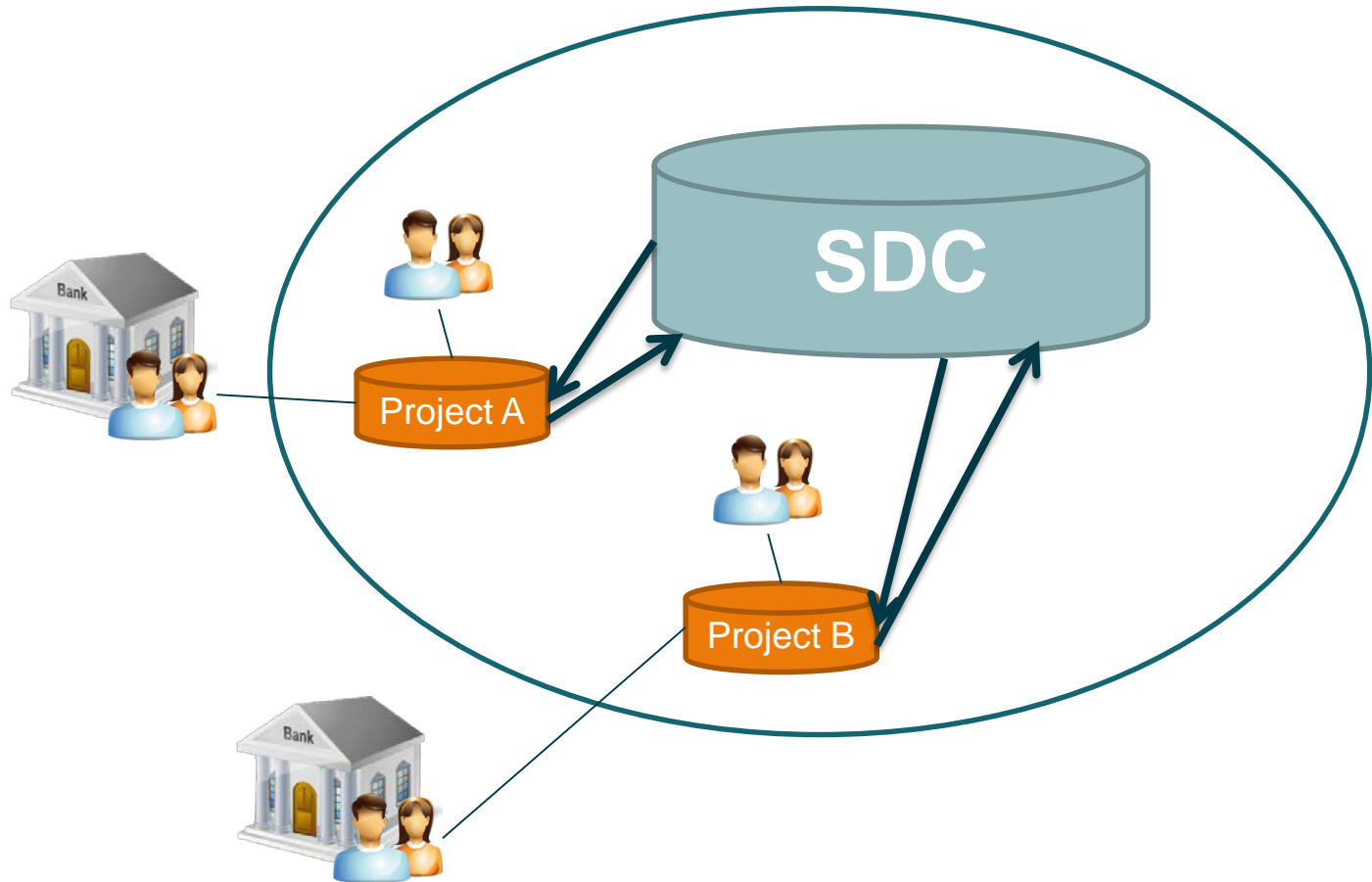


Repository structure

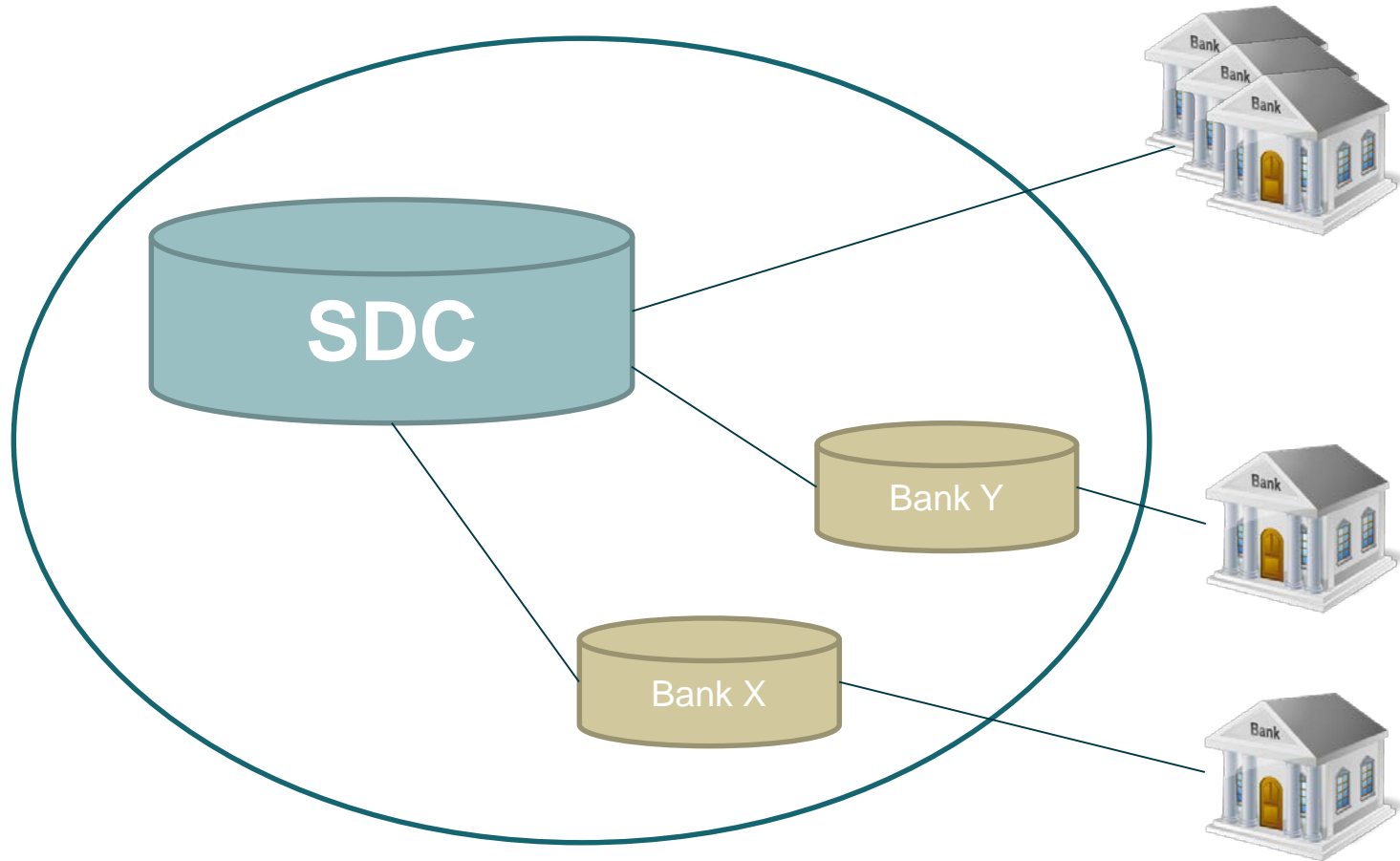


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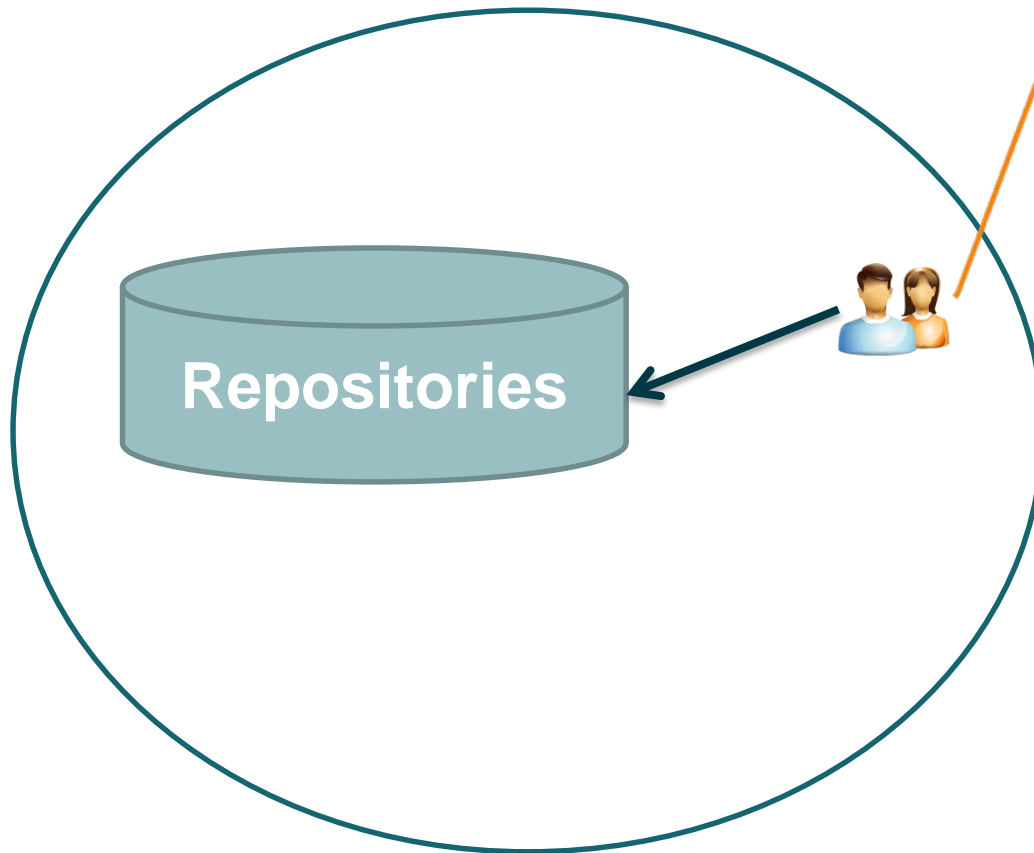
Documentation in projects



Architecture as a Service – AaaS

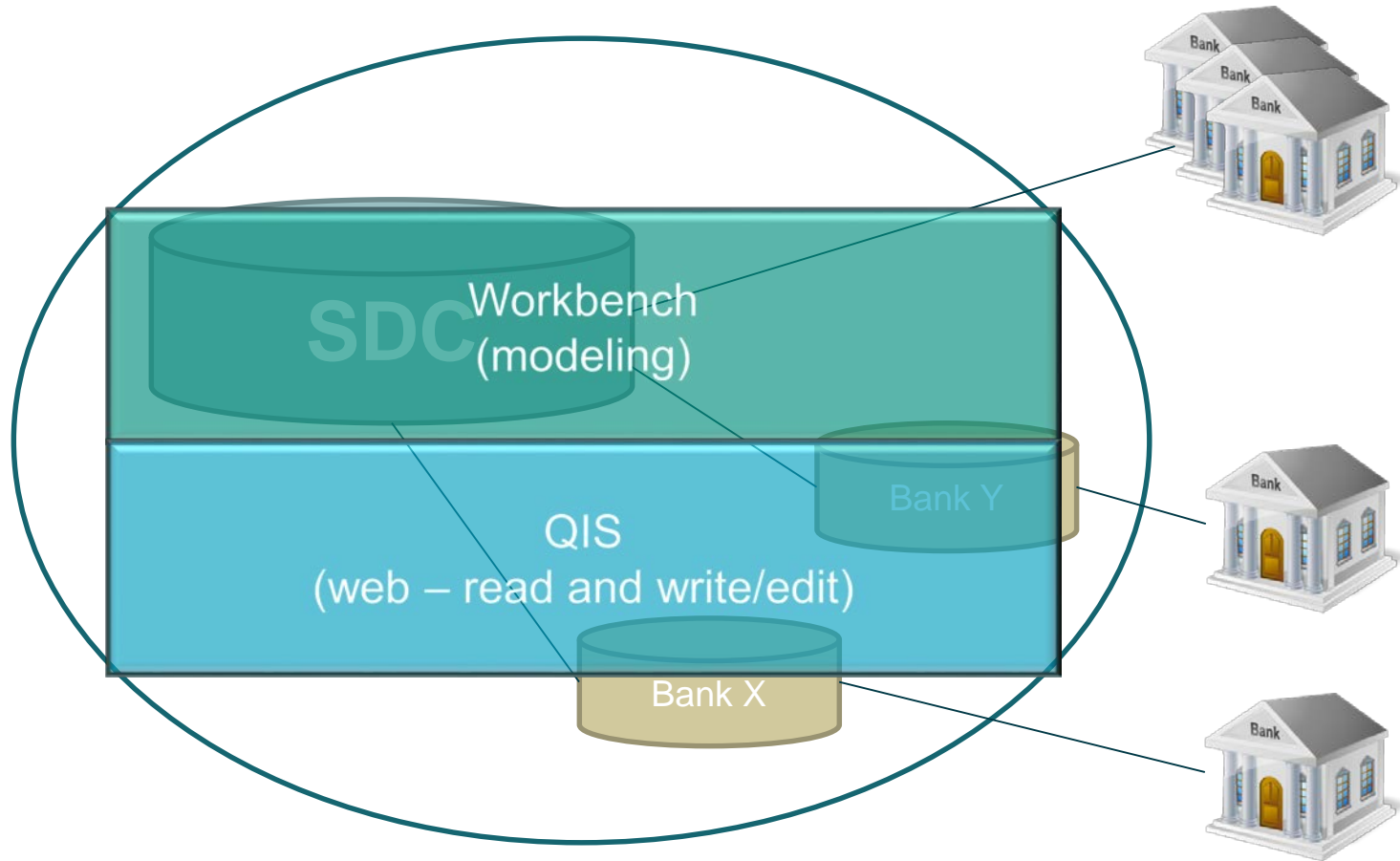


Analyzing in Qualiware



- Impact analysis
- Business Development
- Finding errors
- Communication, education etc.

Architecture as a Service – AaaS



Adoption

Be sure not to forget...

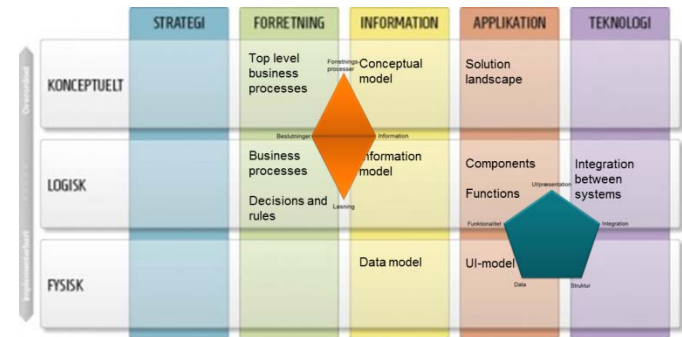
1. Organizational implementation

- Communication of the value of documentation to stakeholders
- Education is a must – management, project leaders, business consultants, project participants, developers etc.



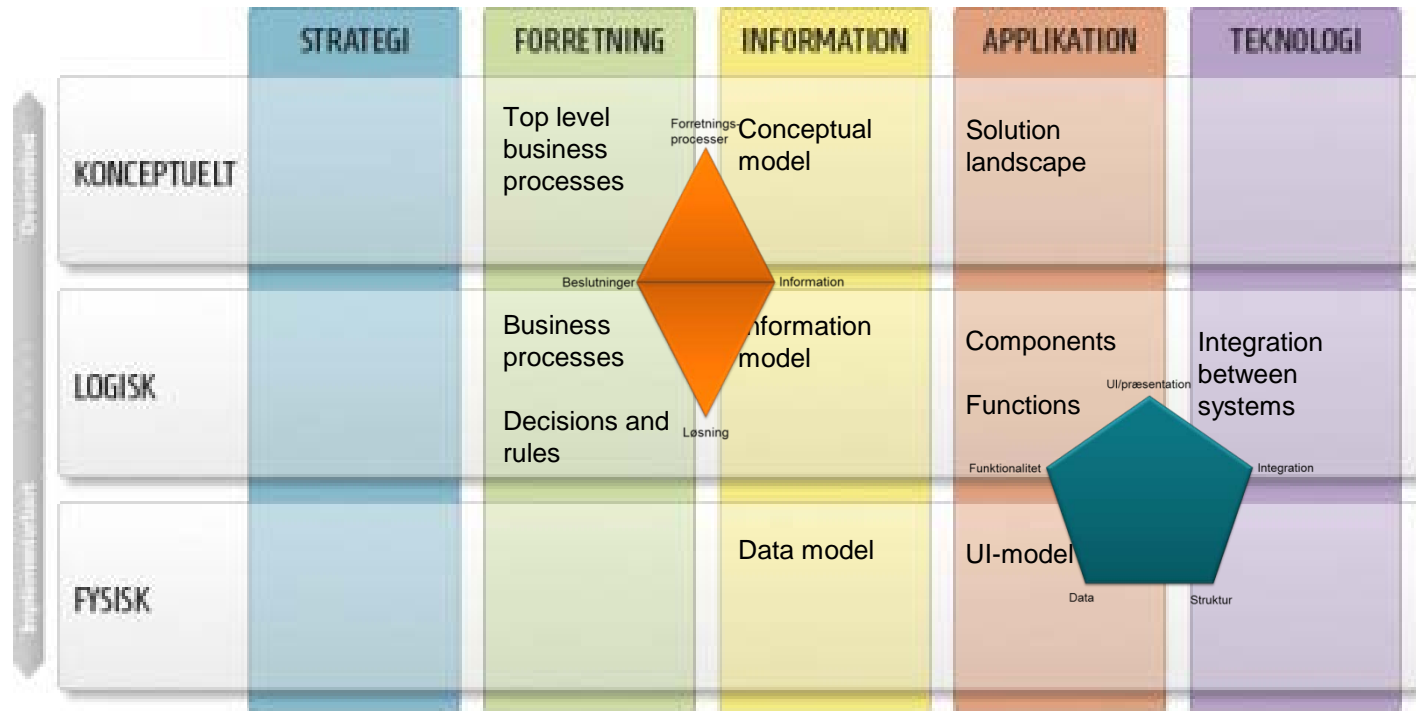
2. Embed documentation in company project model

3. Establish sound governance



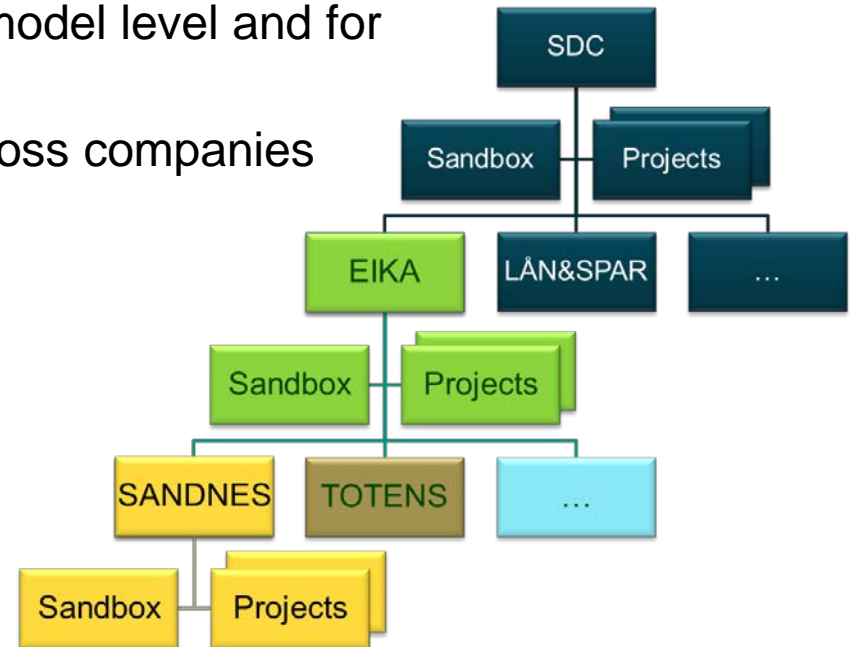
The SDC bookshelf

- with artifacts

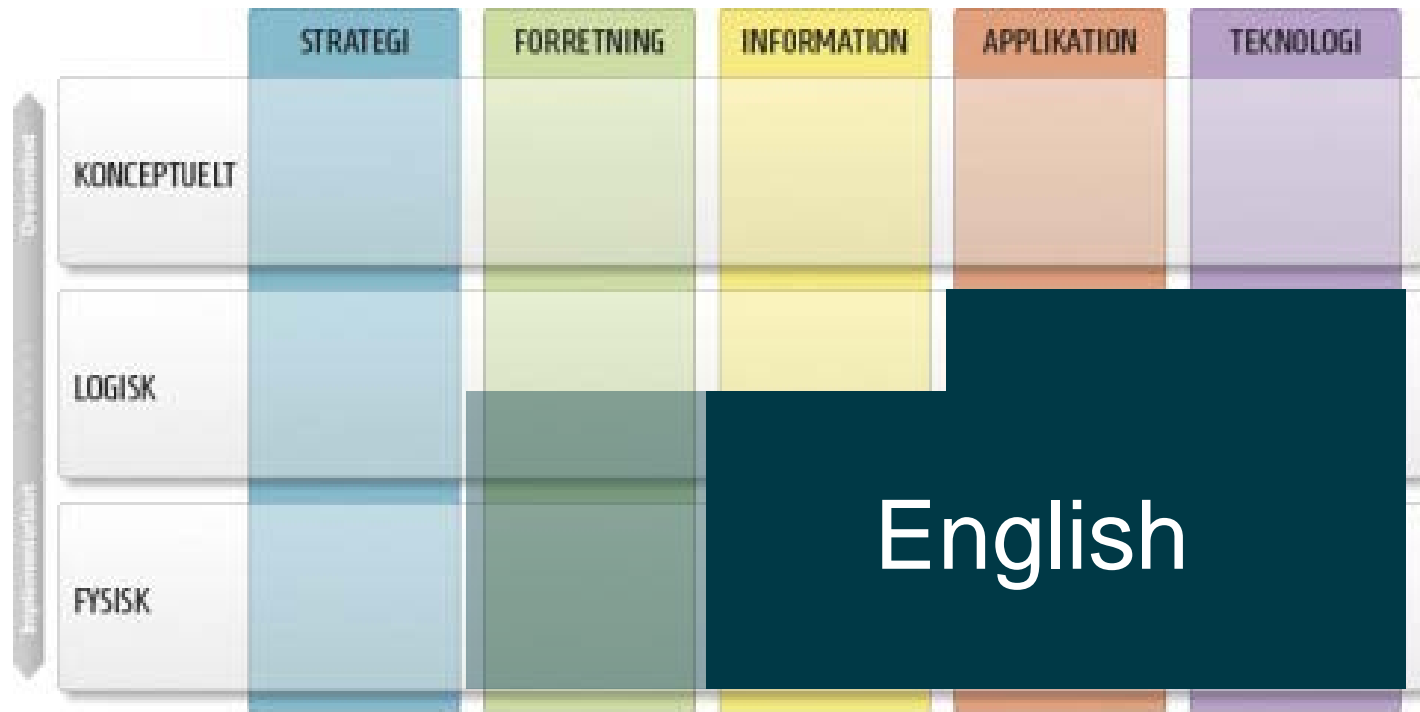


Practical challenges

1. Lacking support for multiple languages
2. No automatic synchronization between repositories – only between repositories and private workspaces – calls for strict governance
3. Identity and access management at model level and for private workspaces
4. Alignment in the use of templates across companies



Language



Customer response

- Customer response has been overwhelming
- We have been forced to proceed faster than originally planned because of customer demand – both inside SDC and at our customers



Current users

- Several internal departments
- SDC's new consultancy function, that helps customers optimize and document their processes and use of supporting systems
- Customers in different countries



Take aways

Who can benefit from AaaS?

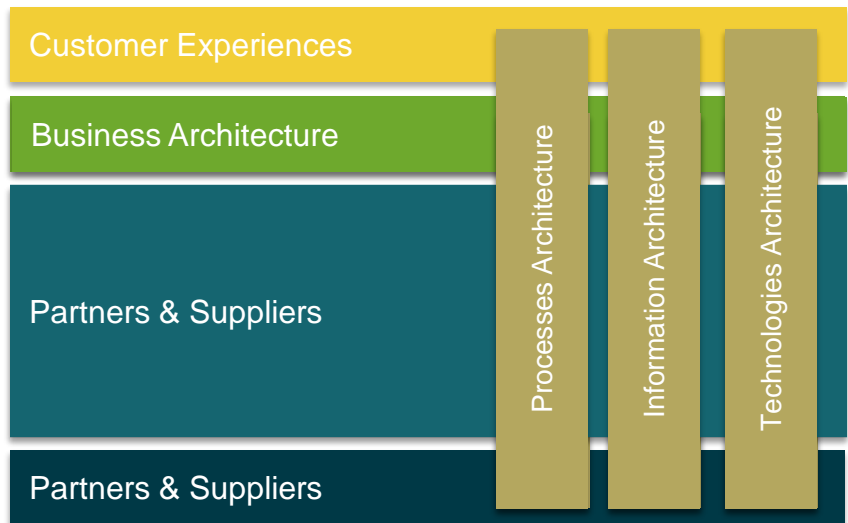
- Organizations that share processes, assets or customers – e.g.
 - Public sector
 - Banking sector
 - Energy companies

What are the benefits?

- Complete architecture overview (which is not otherwise possible)
- Improved cooperation on projects involving multiple corporations
- Reduced cost

How are they reaped?

- Establish a shared architecture tool
- Establish a governance framework (benevolent dictatorship may work!)
- Sell the concept and educate at all levels



Questions?

Good luck 😊