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⇒ Add User Bjørn ARNE

& pres. next week

Josef

Fabrice
SERHAT
SUSANA

Unik Wiki - Courses - Mobil x UNIK4710 - CWI x UNIK4710 - Vår 2012 (Select x Ny fane x www.kvitsoy.kommune.no x +

cwi.unik.no/wiki/UNIK4710

What are you going to learn:

- Collect publications for personalised service and context-aware services.
- Identify the key-features of personalised and context-aware services
- Tabulate the requirements for such services
- Describe the difference between an Internet service, a mobile service and a proximity service
- Present specific knowledge based on collected publications
- Identify semantic technologies for description of the user and his context
- Describe the difference between ontologies and rules
- Establish interworking of ontologies created by members of the course
- Construct rules to define the context of the user
- Apply rules on top of ontologies to enhance knowledge
- Produce examples of context-aware services
- Evaluate the functionality of context-aware service examples

Amazon, Google

Topics

- Principles of service oriented architecture and semantic service delivery
- Protocols for service delivery in wireless radio networks
- Approaches for mobile and proximity service inclusion in a semantic SOA environment
- Practical experiences in building ontologies for user preferences, context description and service description

After the course, you will have gained an understanding of the state-of-the-art research in the area of semantic service delivery. The compulsory tasks will help the participants to improve scientific presentation capabilities and programming expertise.

Lectures overview

	Date
Individual review/Oral exam	4 June 2012

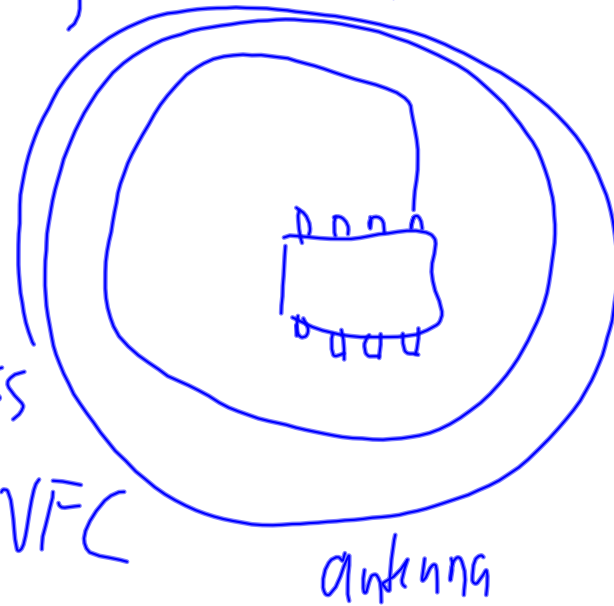
Radio Freq Identif. ~~Device~~

↳ Mobile Payment/Access

Near Field Commun. NFC

- is RFID @ 13.56 MHz

↳ specific protocols



Haugli 2009

"5.2 Mio mobile subscribers"

↳ 30-50 Mio devices on the mobile network

—————"2007"

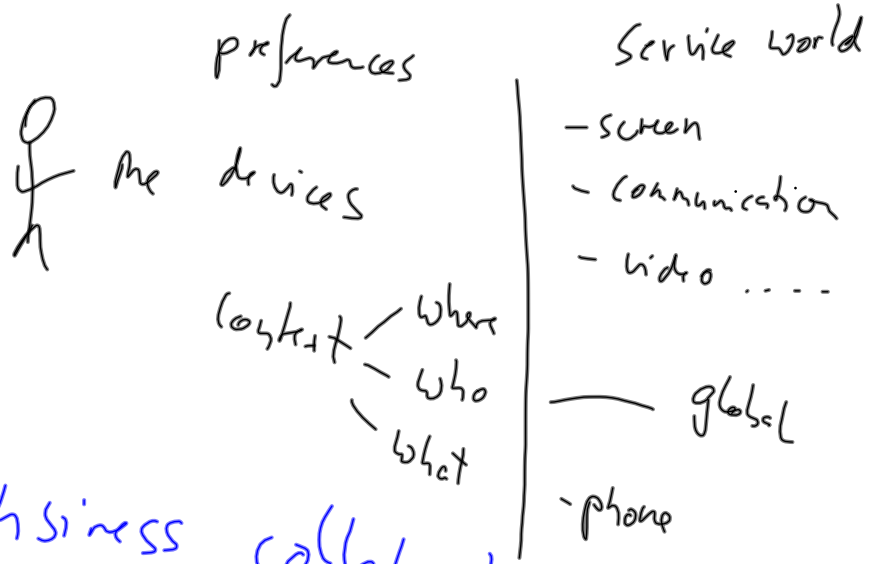
⊙
⋈ 20-50 electronic devices

& 2/3 processors will have wireless
E-class Mercedes 60 mP

↳ 100+

—————
OLED ← 16 bit/s - 1 Tbit/s

—————
history 1973 Arpanet → 1. Europe
↳ Jelle
↳ (1972)



Business collaboration

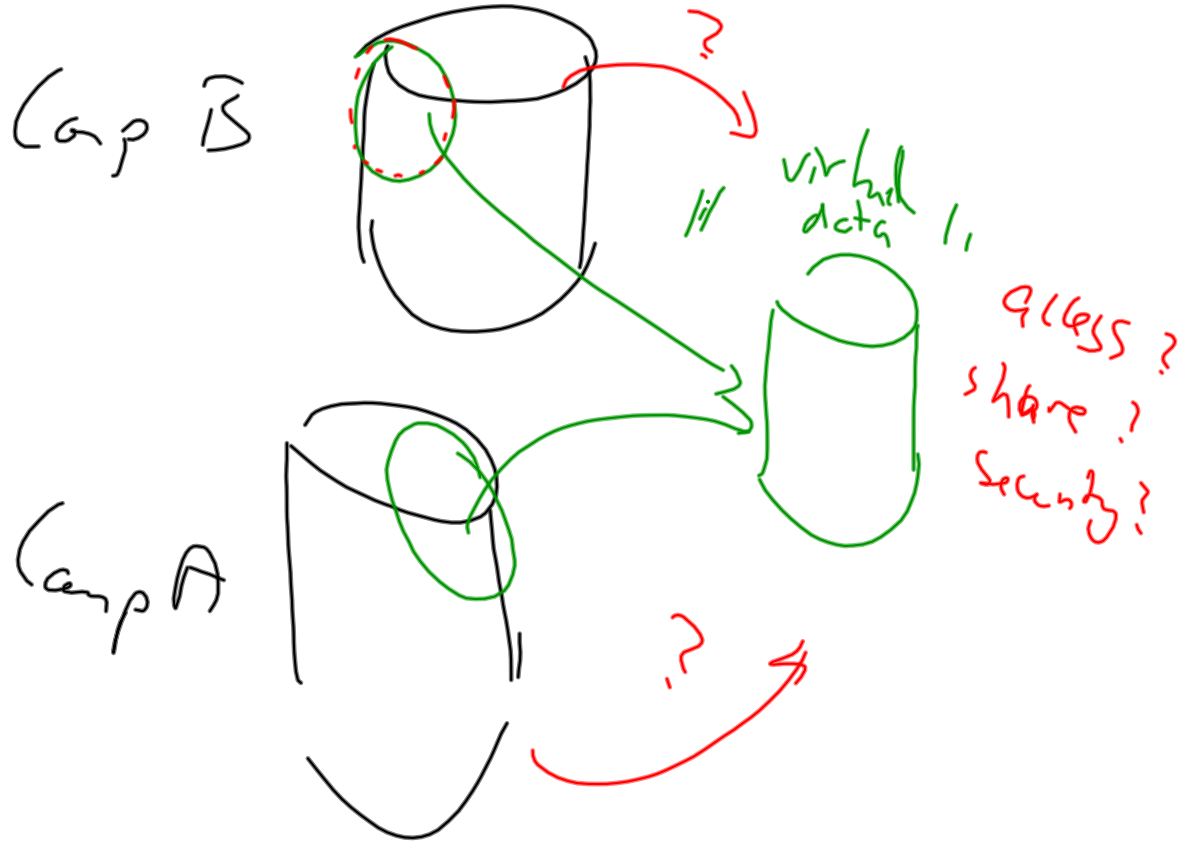
oil platform: 30-40 comp. → collaboration

250-300 people → computer

1. "computer" description
2. reasoner → ~~decision maker~~ → recommendations

Example

Cloud Services



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access authorization
privacy
"foaf"
STCP-RFID

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Lectures overview

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You will work

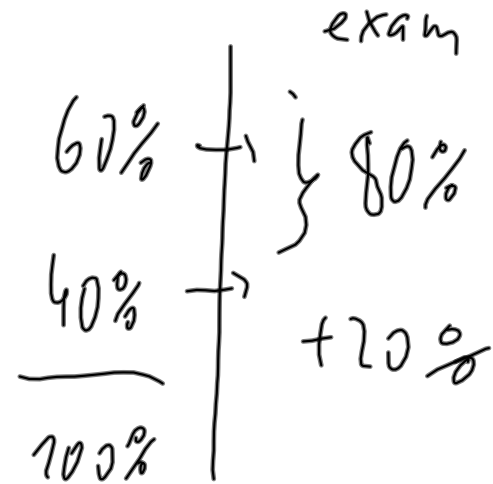
#1 - present, ...

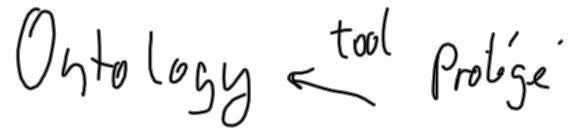
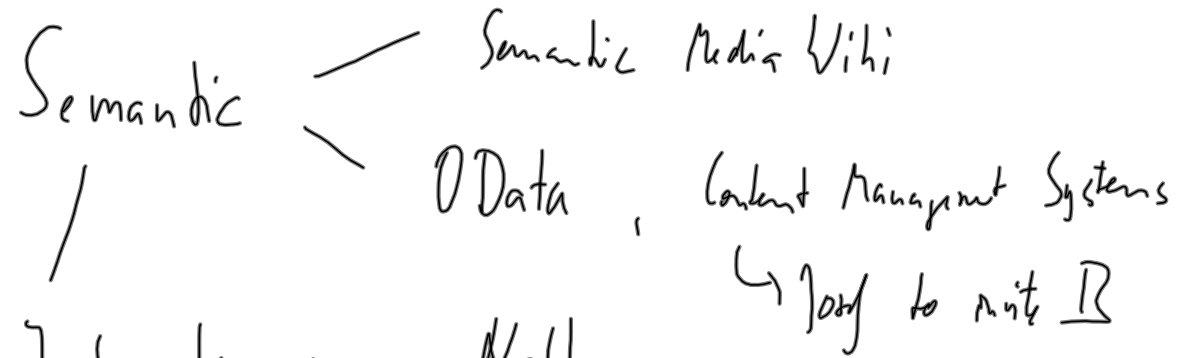
- programme

#1 topic

& scientific references

IEEE, Springer





Reasoning, apply rules



Next week:

- 30 min intro technology

- 10-15 min intro scenario

- story

(
- ontologies,
rubs
:
dore
)

A: INTELLIGENCE
 - REASE
KNOW
INFO
DATA
KNOS

