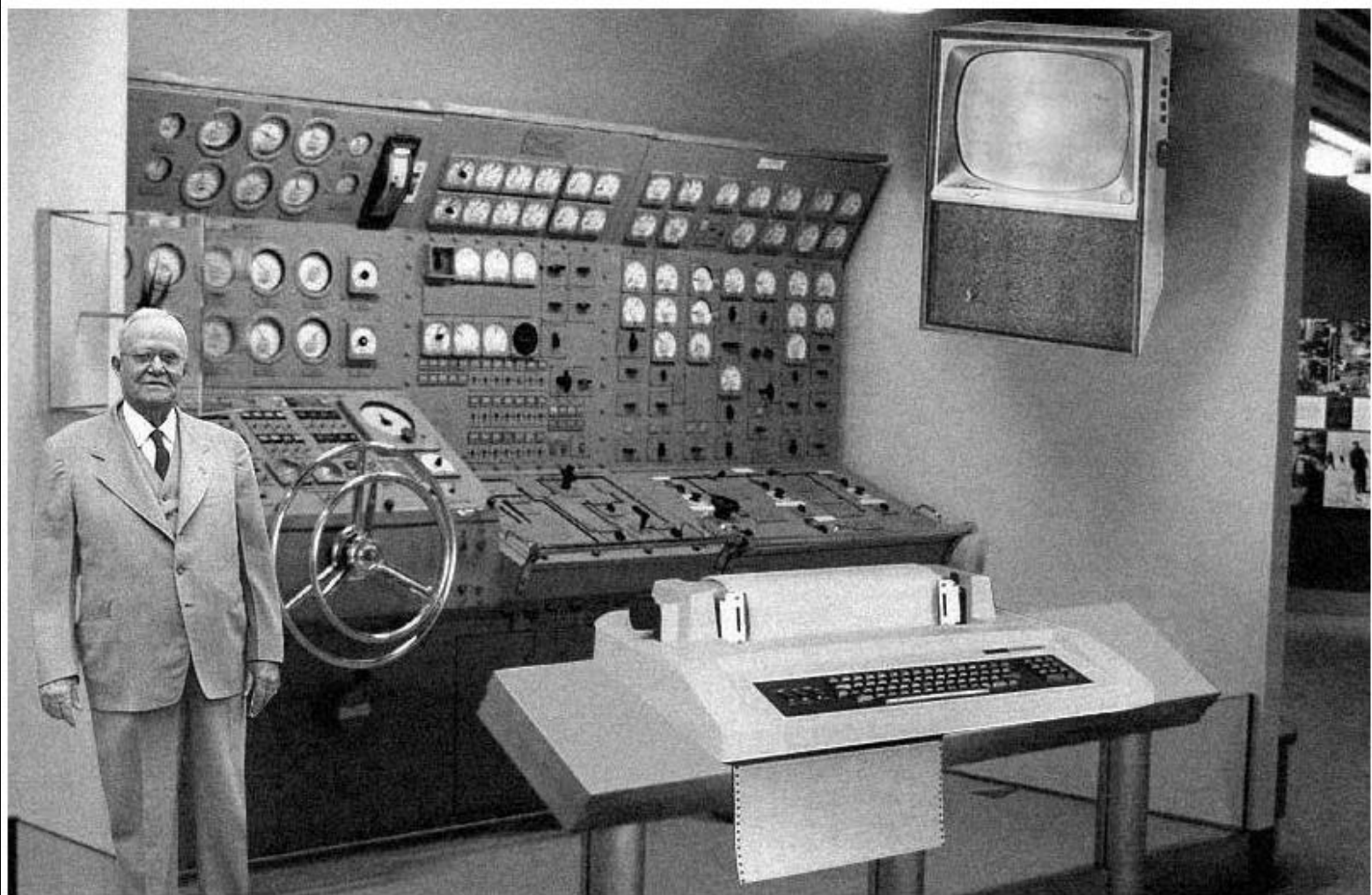


New becomes Old



Scientists from the RAND Corporation have created this model to illustrate how a "home computer" could look like in the year 2004. However the needed technology will not be economically feasible for the average home. Also the scientists readily admit that the computer will require not yet invented technology to actually work, but 50 years from now scientific progress is expected to solve these problems. With teletype interface and the Fortran language, the computer will be easy to use and only

**Emerging Technologies
and Infrastructures:
anticipating user needs...**

...and exploiting emerging
opportunities created by
networks and their users

Focus First on the Network

- E.g., E-infrastructure used for e-learning, e-research and related capacity building, using more authentic e-assessment to help learners to adopt new practices

U of Dammam, Dr Saad, CIO

- Type of application: use electronic lab notebooks to record work, data mine them via networks to give formative feedback

Looking Beyond Those Uses

- New opportunities and jobs, via...
- Data-mining of what current users do
- Shared insights into problem-solving
- Open process transfer, to new users
- More authentic contexts for learning
- More authentic forms of assessment
- Greater capacity to absorb innovations and cope with change

Policy research is sparse in this area, e.g.

“Surprisingly little research is done for a better understanding of research and innovation policy learning processes”

Monitoring Policy Making: Goals, processes and information demand

aris.kaloudis@nifustep.no



CRIS 2010
5 June, Aalborg

Types of policy learning in the area of research and innovation policy

- **Policy transfer**: copying programs, measures, organisational structures...developed elsewhere
- **Lesson drawing**: drawing on current experiences in other countries (regions) to improve own national policies....
- **Benchmarking** and ranking: PISA-studies and European Innovation Scoreboard as examples
- **Exchanging “good practices”**: ... at the European level as a catalyst...

Exploitable networks need tags

- Jobs and Competitiveness in a world of rapid change, the Semantic Web and the Internet of Things
- know-how, show-how, do-now
- know-what, know-why
- know-next
(horizon scans via networks)

Building block: CERIF model

- From the European Organisation for International Research Information, euro Current Research Information Systems

euroCRIS

Current Research Information Systems



Mapping and Roadmapping Platform and Processes

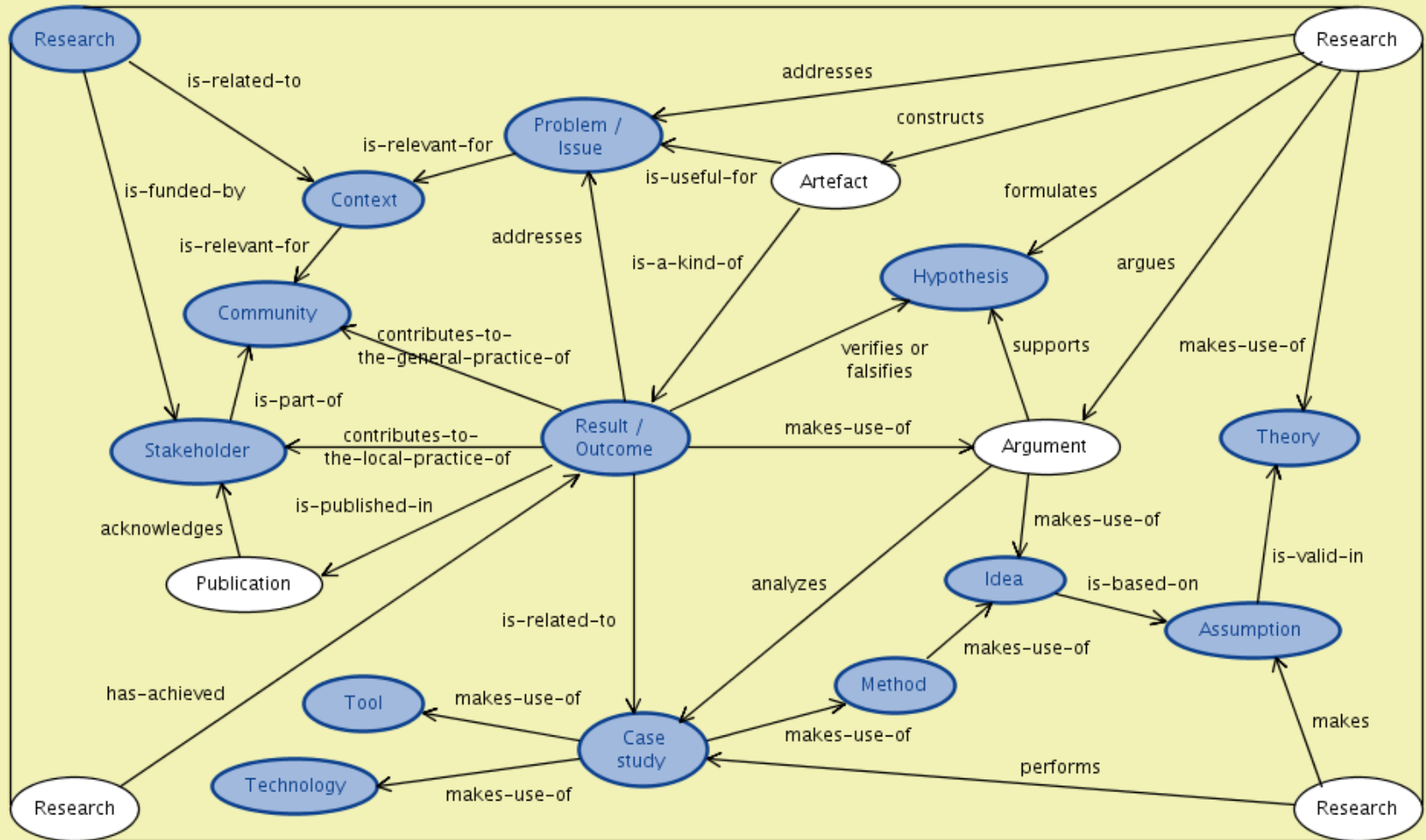
Ambjörn Naeve

(2011-11-21)

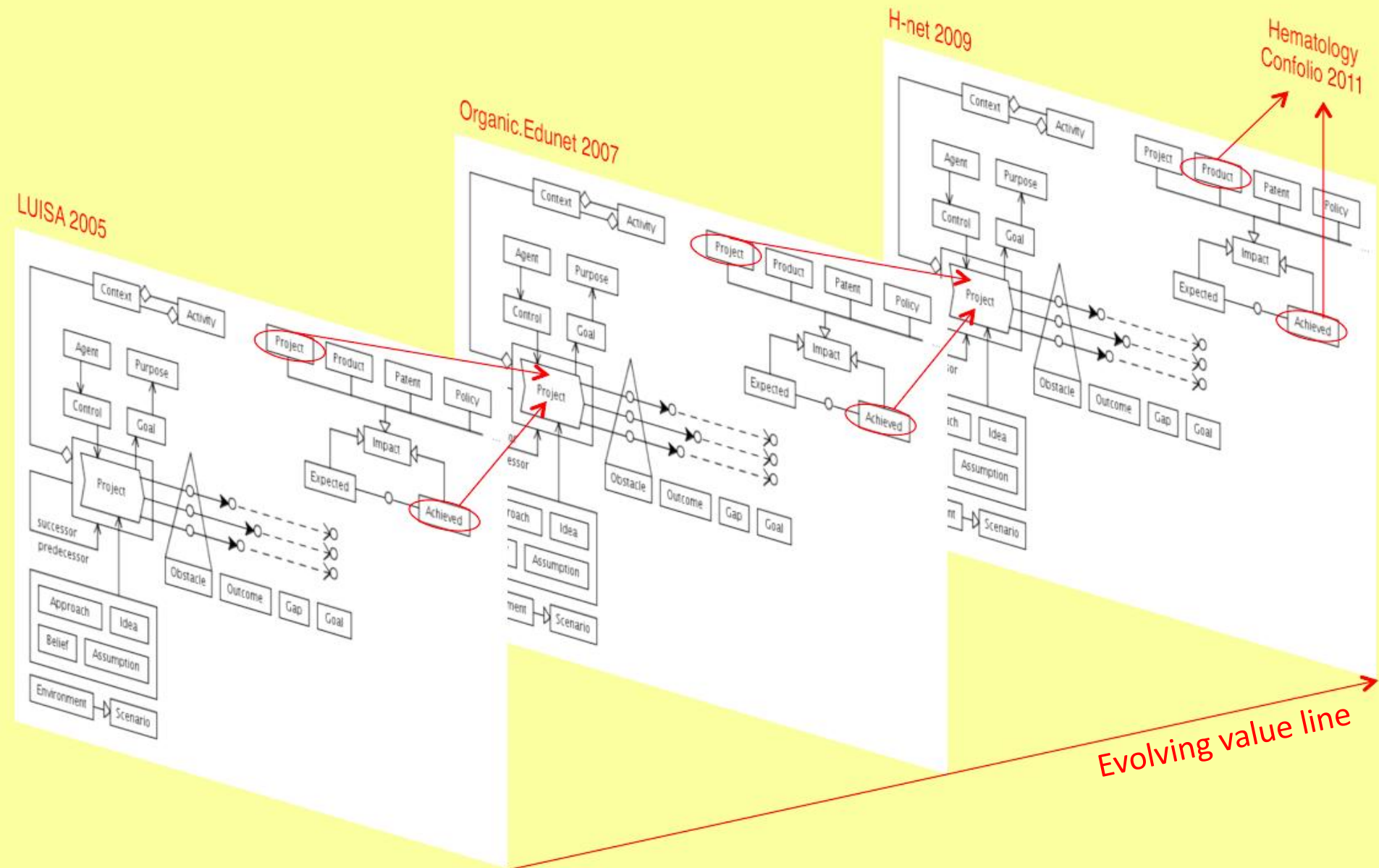
www.telmap.org

Describing your research by semantic relations

PhD work



Example: from project to network



Thank you

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