

Director, Services for Research



Overview

Evolution of CSC cloud services

- Funding streams and consequnces
- Building the future



Road to CSC laaS services

- Long term development work, largely funded through ELIXIR, but also as part of CSC general computing offering development
- CSC main frame computing servers owned by the state of Finland, BMI capacity by CSC/ELIXIR node Finland
- BMI services designed for organizations, Pouta cloud for researchers/projects
- Ministry pays general Pouta usage for Finnish researchers, not services dedicated for subset of researchers/organizations

Problem for CSC: Customers are divided to silos, several capacity island foreseen

Problems for Customer: Which service I should use?, Why others will get better service than I do?, Why should I possibly pay?



WHERE ARE WE GOING, TOWARDS CHAOS?

OR

TOWARDS SOMETHING BETTER

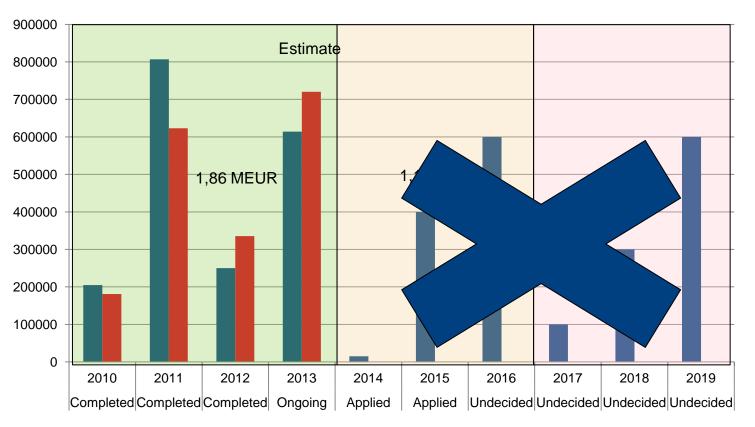


Sustainability, are we there?

- YES and no
- Ministry has capasity and adds sustainability but requires equality between researchers
- ELIXIR funding ensures dedicated support and services for biomed community

SO YES, what's the problem still?

ELIXIR Node <u>IT infrastructure capital investments</u> to CSC Biomedinfra Cloud



Focus (2013): computational storage

IT equipment life cycle is 3-4 years.

Decommission 6 months salaries only.

Just-in-time investment policy and service delivery optimizes available IT capacity.

Biomed community cloud capacity needs to grow with the research efforts (Academy - CSC collaboration?).

- ■IT investment plan EUR
- ■Invested EUR





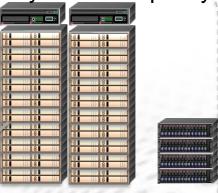
Here we are

Any researcher in Finnish Universities



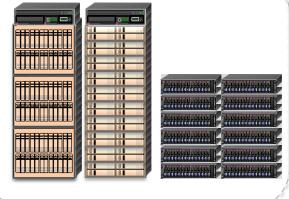
Internet

Pouta,
Ministry owned capacity



CSC Kajaani Data Center

BMI / s-Pouta, ELIXIR funded capasity



Internet

ELIXIR use-cases

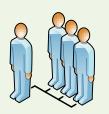


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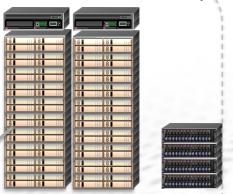


Heading towards

Any researcher in Finnish Universities



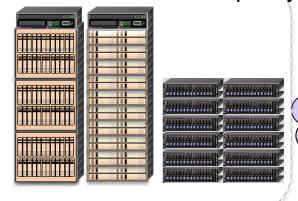
Pouta,
Sustainable funded capacity



CSC Kajaani Data Center

Internet

BMI / s-Pouta, Sustainable funded capasity

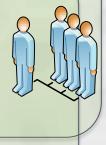


OPN, etc.
Special
regs

Other communities







CSC Keilaniemi, Espoo



Summary

We have solid services to rely on but we need to work together to ensure that also in the future