

# Financing RI

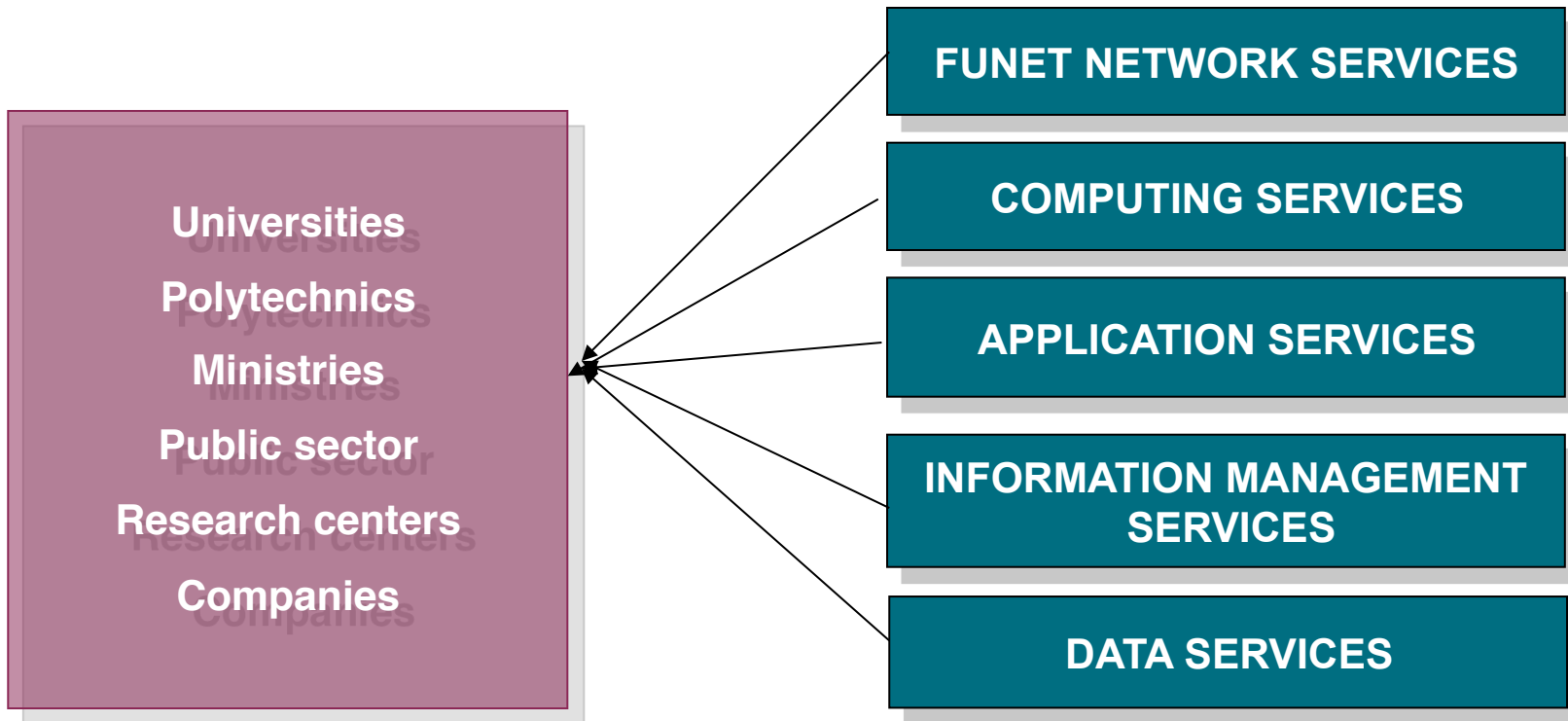
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RAMIRI training

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CSC – Tieteen tietotekniikan keskus Oy  
CSC – IT Center for Science Ltd.

# Case CSC: Funding of National ICT Center



**2010:** 340000 network users in 85 organisations, over 2500 computing users (foreign accounts: 880 from 69 countries, 2.5 M logins and batch jobs, 7.8 M logins to HAKA authentication service, 135 organized training days with 2250 participants)

# Funding



- Turnover 2011 around 30 MEUR excluding investments, roughly:
  - 47% basic contract with ministry about services for universities and polytechnics
  - 30% service sales
  - 15% networking costs from universities and polytechnics
  - 8% EU and other projects
- Investments:
  - 2-3 MEUR annually for infrastructure
  - 10-25 MEUR every 4-5 years for HPC and related equipment, each time a separate decision

# Case PRACE



- 70 MEUR EU-funding for preparation (10) and implementation (3 \* 20)
  - Used for building the structure and collaboration
  - Not used for hardware investments (other than prototypes)
- Funding by partners
  - Co-funding for EU projects (close to 60 MEUR estimated)
  - Funding for legal entity costs (annually 2 MEUR) through membership fee
  - Funding for PRACE systems by hosting countries: around 100 MEUR over 4-5 years
- Challenges:
  - Proper in-kind contribution hard to define
  - Sustainability beyond the first round of PRACE systems

# Some comments on financing



- The motivation to invest is very much linked in governance:
  - What can be accepted as in-kind contributions?
  - How much decision power I will get through my investment?
  - Who hosts the e-infrastructure? What additional local benefits derive from that?
  - Etc.
- Sustainable vs. project based financing
- Running costs after deployment of RI
- Some specific elements
  - Role of electricity cost is increasing (major issue for example in PRACE)
  - Personnel costs (46% of turnover at CSC)