

# **HIIT Retreat 2006**

## **Working Group Session**

Martti Mäntylä



# HIIT Vision

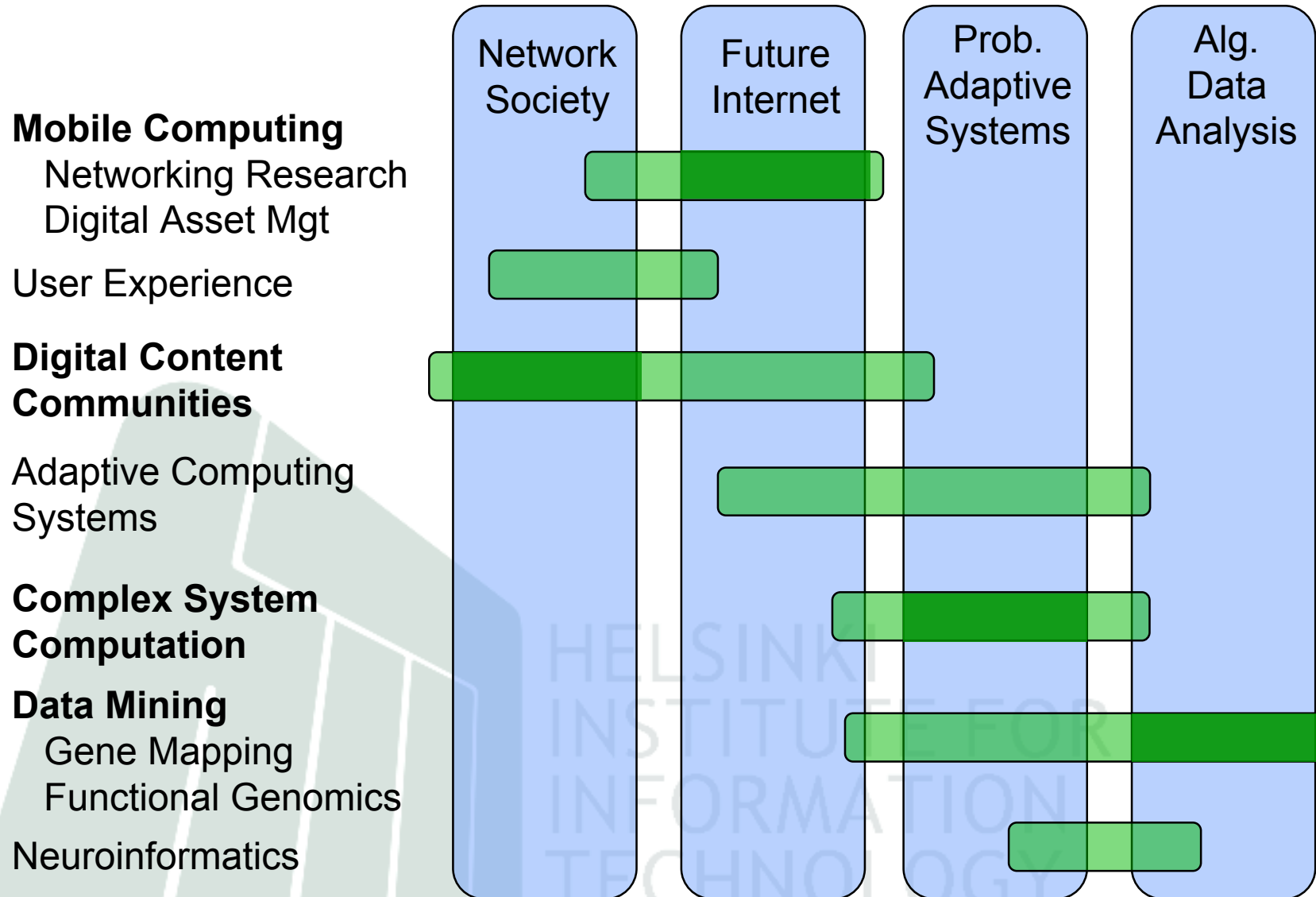
- Ubiquitous and mobile computation, communication and digital media bridge people, things and places; interweave with complex phenomena involving individuals, communities, businesses, environment, sciences and society; and produce vast amounts of data.



# HIIT Mission

- <Martti's version:> Recognised as an internationally leading research institute in its field, HIIT's research aims at high scientific, industrial and societal impact based on deep understanding of the developments and phenomena related to modern information technology and their implications to novel theories, technologies and applications
- <Esko's version:> Recognised as an internationally leading research institution, HIIT aims at basic and multidisciplinary research of modern information and communication technology which includes theoretical and technological aspects, as well as applications, and has high scientific, industrial and societal impact

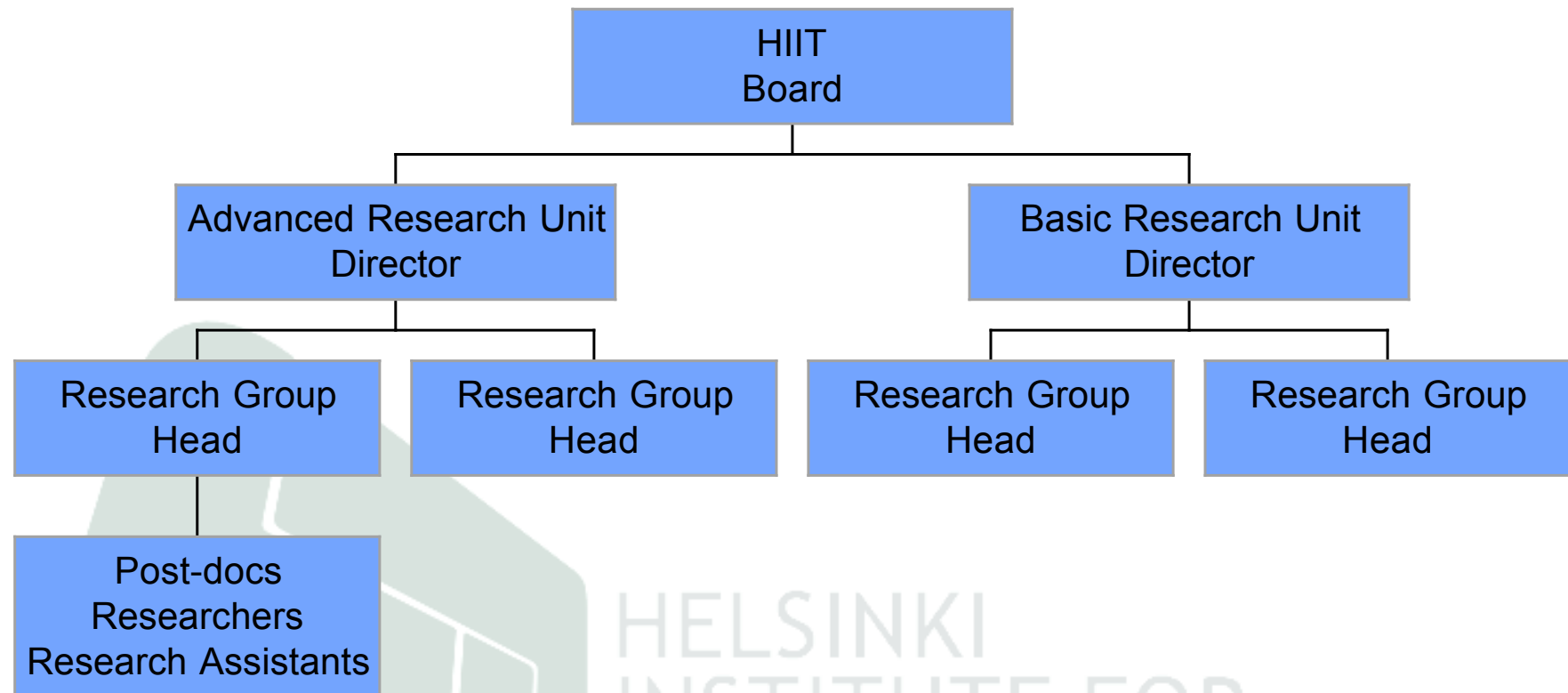
# Program-Group Matrix



# Issues

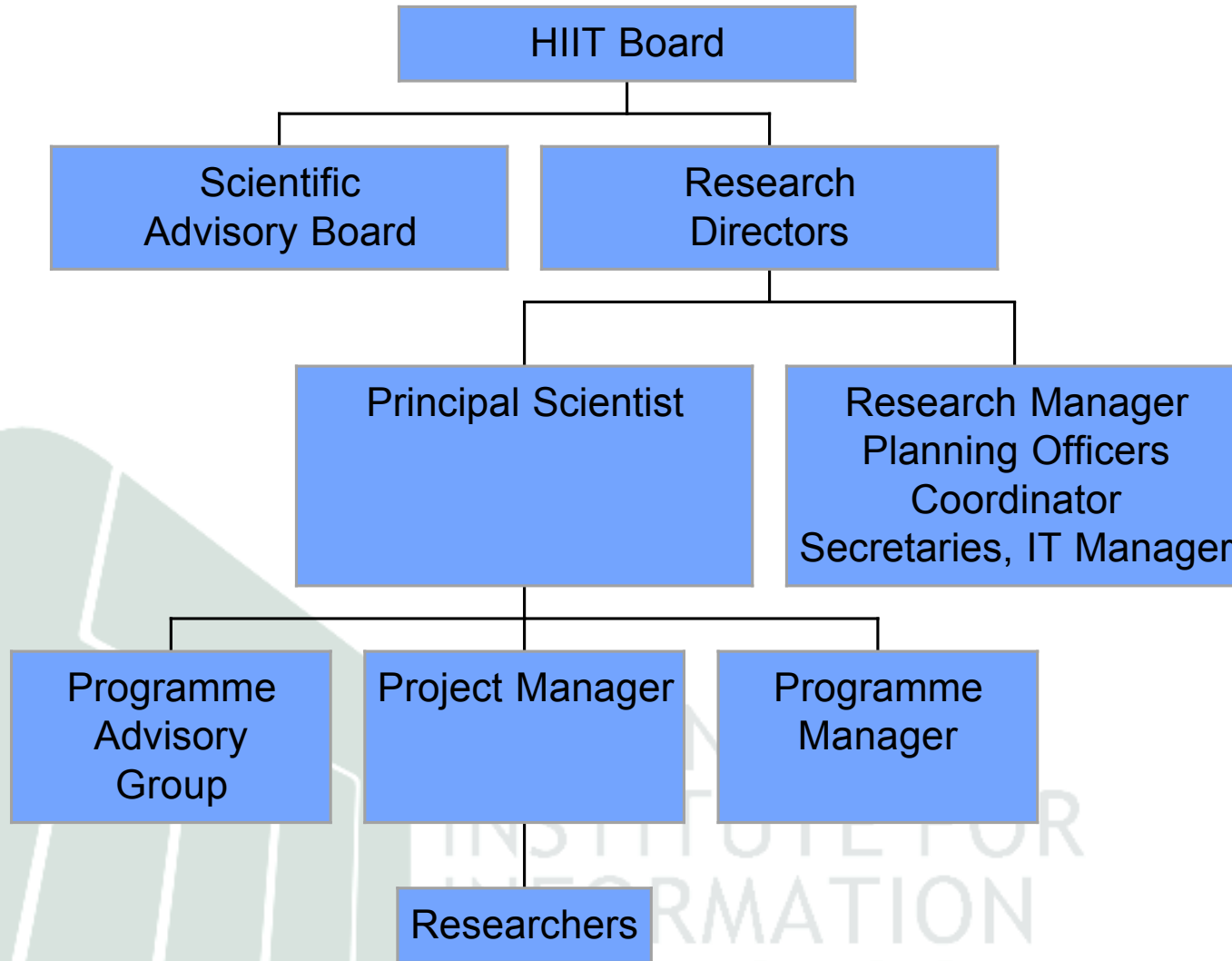
- How much administrative structure do we need, and can bear?
  - ... considering that HIIT may yet grow to 200+ persons
- How to make the research programmes work?
- How to maximise the added value?
- How should work be divided between different parties?
- How much per-programme variation is needed, and possible?

# HIIT Administrative Organisation



HELSINKI  
INSTITUTE FOR  
INFORMATION  
TECHNOLOGY

# HIIT Research Organisation



INSTITUTE FOR  
INFORMATION  
TECHNOLOGY

# HIIT Management Bodies

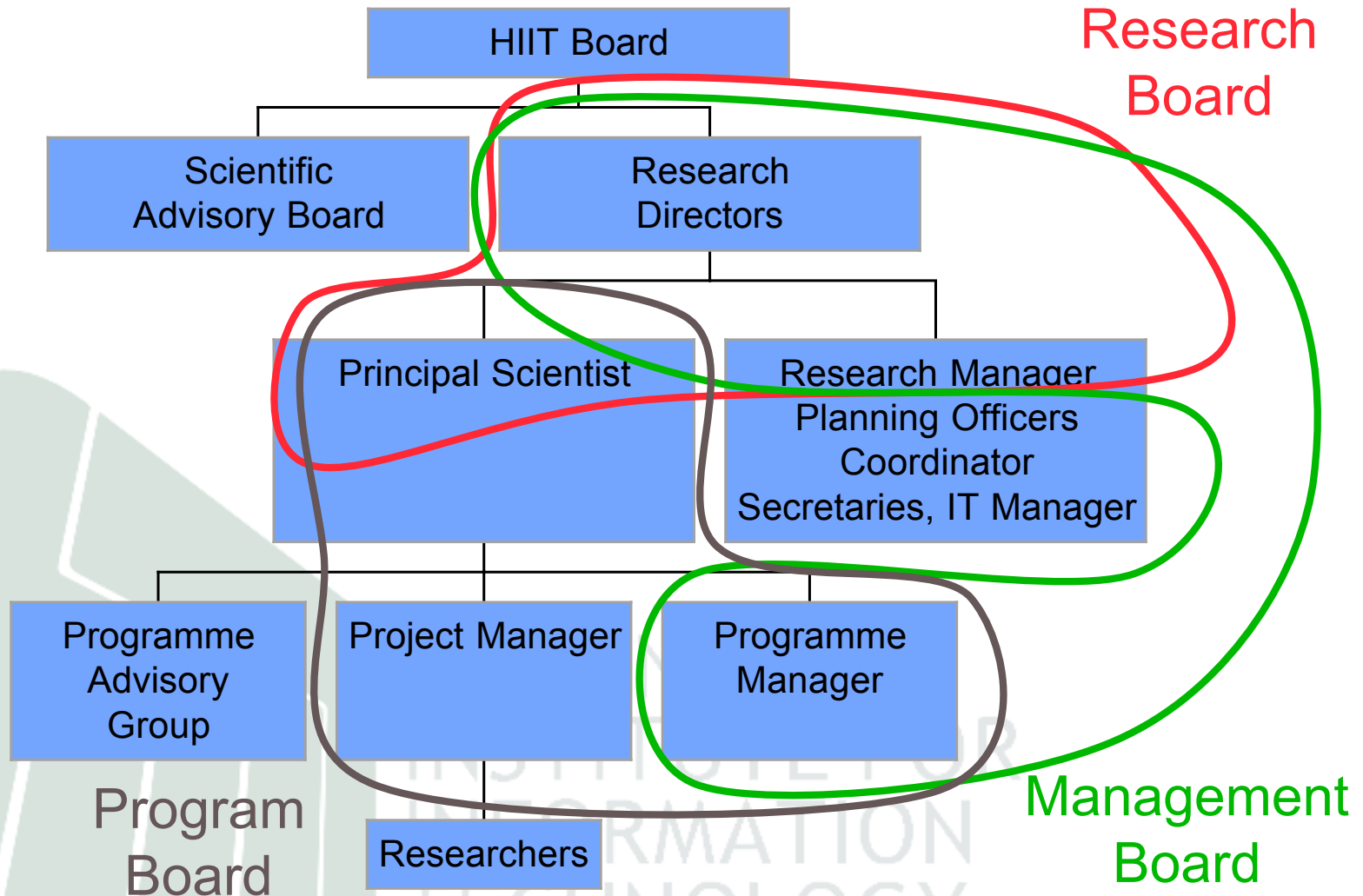
- HIIT Board (+ SAB)
- Directors
- Research Board
  - Directors
  - Principal Scientists
  - Research Manager, Research Coordinator
- Management Board
  - Directors
  - Research Manager, Research Coordinator
  - Planning Officers, EU Coordinator
  - Programme Managers?



# Research Programme Management?

- Principal Scientist
- Research Programme Manager
- Programme Board
  - Principal Scientist
  - Research Programme Manager
  - Senior Research Scientists
  - Project Managers
- Programme Advisory Board
  - Programme Board + invitees

# HIIT Research Organisation



# Themes for Working Groups

- HIIT vision and mission
- Programme vision and mission
- Research directions
- Partnerships
- Teaching
- HIIT organisation
  - What is needed to make things work?
  - Who does it?
  - What is a good division of work?
- Resources needed from HIIT

# Scientific Focus

- Objective
  - Each programme contributes to HIIT's mission
- Programme vision and mission
- Research directions
- Competences
- Partnerships



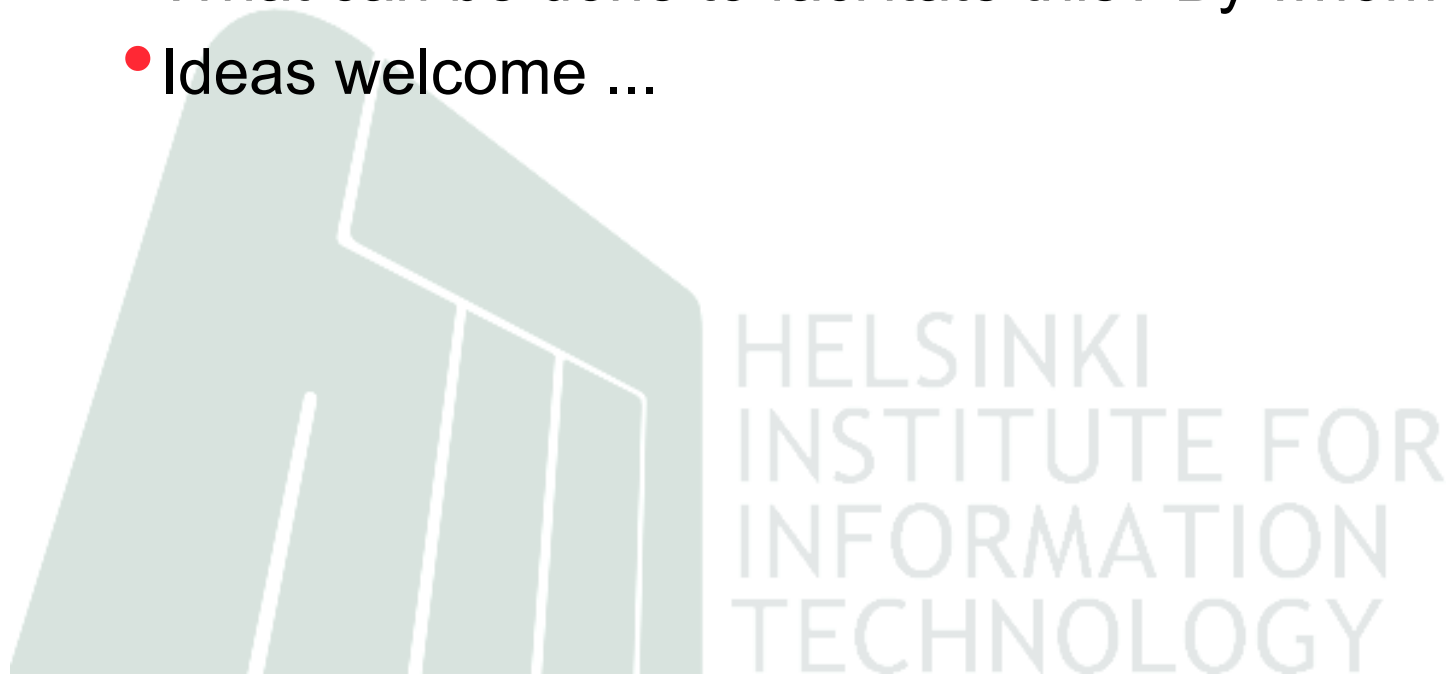
# Teaching

- Objective
  - HIIT has strong enough presence in teaching
- Who, what, how?
- Issues to consider:
  - HIIT's role in doctoral programmes
  - HIIT's role in master's programmes (if any?)
  - HIIT's role in bachelor programmes (if any?)



# Scientific Community

- Objective
  - HIIT reaches its mission regarding international visibility (and attracts talented researchers from everywhere)
- What can be done to facilitate this? By whom?
- Ideas welcome ...



# Daily Administration

- Objectives
  - Make things work smoothly and professionally
  - Define clearly the division of work between programmes and HIIT administration
- Reporting
  - TKK, UH, funding organisations
  - HIIT Annual Report, WWW, other publicity
- Finance
  - Budgets, expenses
- Personnel
- Resources

# Operative Planning

- Objectives
  - Maintain thematic focus in project preparation
  - Transparency within HIIT and towards research partners, companies, funding bodies, ...
- Who does what?
  - HIIT Research Board
  - Principal Scientist
  - Programme Board
  - Programme Advisory Board
    - Who are the invited members?
- Ideas on practical work methods needed

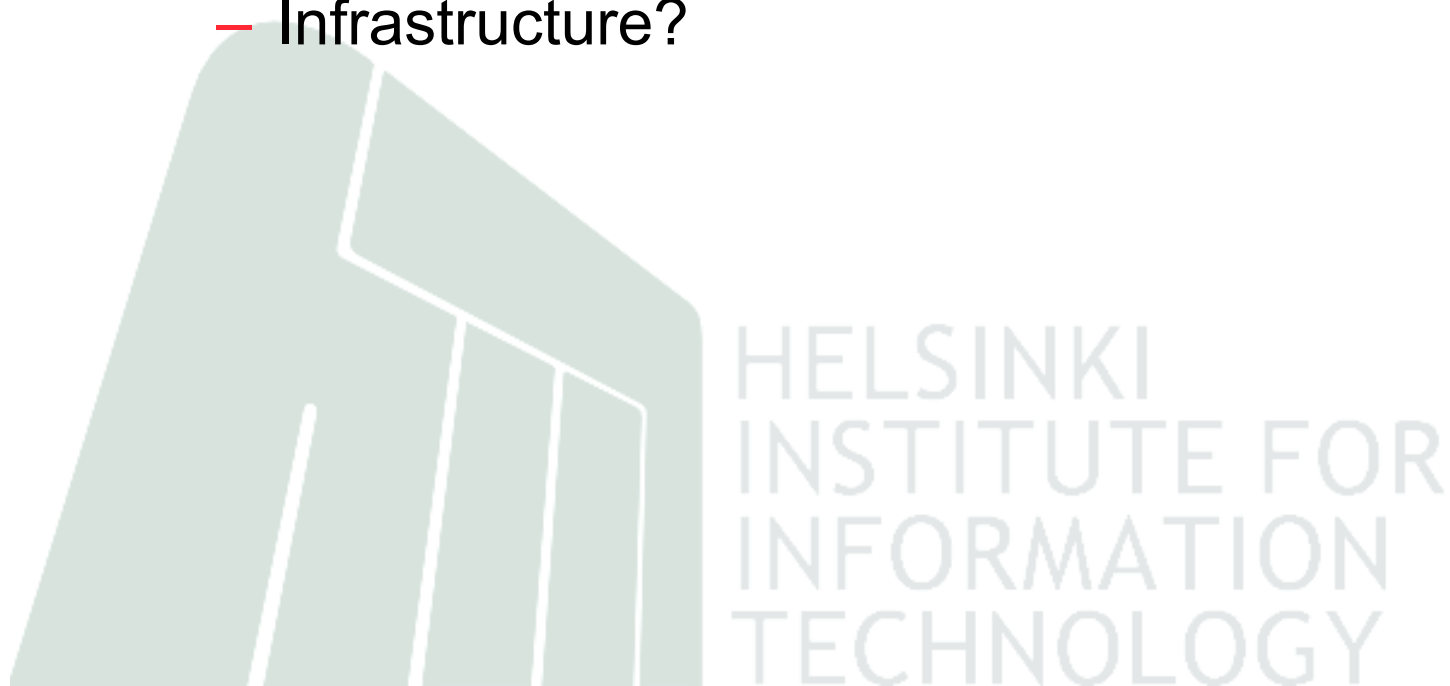


# Strategic Management

- Objective
  - Maintain HIIT's capability to reach its mission
- HIIT Board decides on the strategy
- ... on the basis of proposals from Research Directors
- ... but how transparently should these proposals be created?
- Strategic themes
  - New research programmes and lines of research
  - New research groups
  - New major partnerships
  - New major initiatives and commitments

# Expectations from HIIT

- What do programmes need from HIIT?
  - Funding?
  - Administrative help?
  - Management help?
  - Infrastructure?



# Other Themes

- Additional members to be invited to the SAB
- HIIT's presence in EU 7th Framework Programme
  - Who takes responsibility of proactive participation?
    - eMobility
    - NEM
    - NESSI
    - Artemis
- Any other themes that the working group comes up with