Organisation and central administration of Research Infrastructures at KTH

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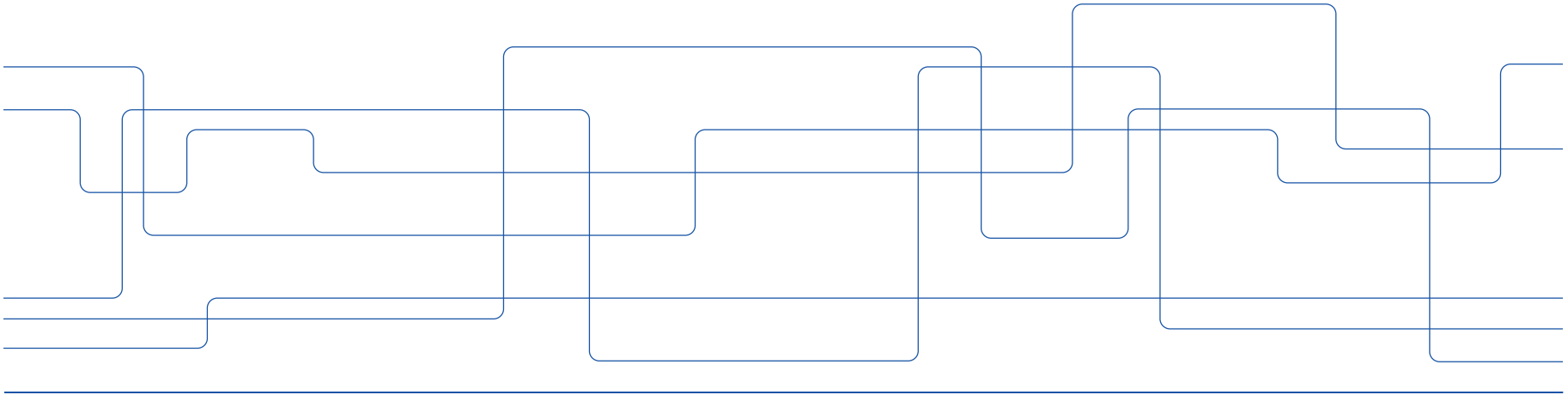

A few words about me

Areas of responsibility:

- **Coordinator of KTH Research Infrastructures**
- **Coordinator of KTH centers in Life science and Transport**
- **ERC, pre-award**

Senior research advisor (2010)
Kungliga Tekniska Högskolan (KTH)
Institute for Future Studies (IFFS)
Södertörns högskola (SH)
Karolinska Institutet (KI)

Post-doc (2+2 Years), Marie Sklodowska Curie Actions
ENS de Lyon, France
Karolinska Institutet (KI)

PhD, Medical Science (Molecular Endocrinology)
Karolinska Institutet, 2004

Master of Science, Chemistry
Stockholms universitet (SU)

KTH Research Support Office

Core group
Head of RSO, General administration, Communication management

Support for external research funding

National, EU, International

Coordination & Support for

KTH Strategic Research Initiatives

Civil Law & Contracts unit

Legal support & Collaboration agreements

Development Office

Donations, Foundations Scholarships

Strategic Research Initiatives (STRIV)

Areas of responsibility

- Research Infrastructures (12)
- Competence centers (~ 50)
- Strategic Research Areas (SRA) (5)
- European Institute of Innovation &Technology (EIT) - Knowledge and Innovation Communities (KICs)
- KTH Research platforms:
  - Transport
  - Energy
  - Digitalisation
  - Life science
  - Industrial transformation
  - Materials

What is Research Infrastructure at KTH?

- **RI**

Run by research group/institution/department
Financed by research group/institution/departments
Decisions regarding leadership at research group/institution/department

- **KTH established RI**

Follows KTH´s criteria for established RI, including yearly follow-up by Deputy President
Run by directors appointed by KTH Deputy President
Financed by research group/institution/departments + possibility to apply for KTH central funds (totally 20 mnkr annually)
Decisions regarding leadership at KTH management level

- **National RI**

Follows VR´s criteria + KTH´s criteria for established RI, including yearly follow-up by deputy president
Run by directors appointed by KTH president
Financed by Vetenskapsrådet + possibility to apply for KTH central funds
Decisions regarding leadership at KTH management level

KTH Research Infrastructures

12 established KTH RI with long-term, strategic development plans

Hosts 6 national infrastructures with funding from Vetenskapsrådet (*)

The KTH Research Infrastructures:

Material	Life sciences technology	Nanofabrication	ICT
Hultgren Lab	Advanced Light Microscopy*	Electrum Lab*	PDC, High Performance Computing*
Odqvist Lab	National Genomics Infrastructure*	Albanova NanoLab*	Sustainable Power Lab
2MiLab	Jonassons centre		Visualization studio VIC
			The Language Bank for Speech*

Established criteria for KTH RI (2018)

Short:

- Strategic, large number of users and open to different user groups
- long term plan for organisation, maintaining a ”state-of-the-art” facility and has an impact on and collaboration with industry and society.
- have a quality assurance process

Albanova NanoLab

Hultgren Lab

Visualization Lab (VIC)

Central administration by RSO of KTH established RI:s

Coordination

- Prepares background material and represents the RI at decision meetings with KTH President regarding establishment of RI, funding issues, changes of directors etc
- Annual internal call for funding
- Coordinates external calls for funding (VR) and establishments of new agreements/contracts
- Responsible for central webpages for KTH RI and presentation material to the Deputy President

- *Coordinated the RAE crosspanel for RI 2021*

Organisational development

- Collaborate closely with KTH:s Deputy President in strategic planning/matters, *including new strategy in response to recommendations from the RAE cross panel for RI*
- Annual quality reports and follow-up dialogues with KTH Deputy President
- Organizes 4 meetings/workshops per year for cross-disciplinary exchange for all RI directors

Funding of KTH RI

- RI of national interest: Funded by Vetenskapsrådet and partners in the consortium
- Annual KTH internal call for upgrading or new equipment (20 mnkr)
- School(s) own contributions
- User fees – set up according to full cost coverage model
- There is also an aim to work more closely with KTH Strategic partnerships regarding funding in the pipe-line
- *Outcome of RAE: panel suggests 5 mnSEK/RI/year from central funding*

How to identify new KTH RI

- Start evaluation based on outcomes of the RAE cross panel for RI to identify RI/larger labs mentioned:
  - Larger facilities/instruments that fulfill the set criterias for established KTH RI
  - Have potential to finance a director (30% of full time) from user fees/school contribution

- Ekonomistyrningsverket (ESV) ”avgiftsuttagsutredning”
  - Proposes that RI with external users (private/public sector) need to set up costs according to the full cost coverage model (fullkostnadsmodellen)
  - These RI have to be authorized by KTH management for fee collection and then posted publically on KTH´s web site (bemyndigande)

STRATEGIC, USED BY MANY AND INCLUSIVE

1. Be of **strategic interest** for KTH, with a clear vision, purpose and focus.

2. Have a **broad user base** and be of interest for and used by several research groups at KTH.

3. All researchers at KTH must be treated equally with respect to **access, user fees and conditions**. To achieve this, use of digitalized internal billing systems working well with funding bodies, for example LIMS, should be an ambition.

4. Provide **user support in terms of training** on the use of all aspects of the infrastructure or **direct support** when the infrastructure is used. If not developed fully, there should be a plan for how to reach the criteria. Introducing application experts is an example on how to achieve this.

LONG TERM PLANNING RELATING TO ORGANISATION, FUNDING, SCIENTIFIC GOALS & WIDER IMPACT

5. Be owned or **controlled (fully or partly) by KTH**, and be **organizationally and economically recognized as a separate entity**.

6. Have a **long term planning** concerning its impact on research, education and society, and its development, keeping up with state of the art.

7. **Economical sustainability** - Have a long term planning concerning investments and operations. Cost of decommissioning should be included briefly.

8. Have **transparent and efficient governance**.

CONTINUOUS QUALITY DEVELOPMENT

9. Be **reviewed regularly** with respect to the above criteria and relevant Key Performance Indicator's established by each research infrastructure.
The review is organized by the Deputy President.