

Views from the Ministry of Science, Innovation and Higher Education

RECFA Meeting, Carlsberg Academy, 3 May 2013

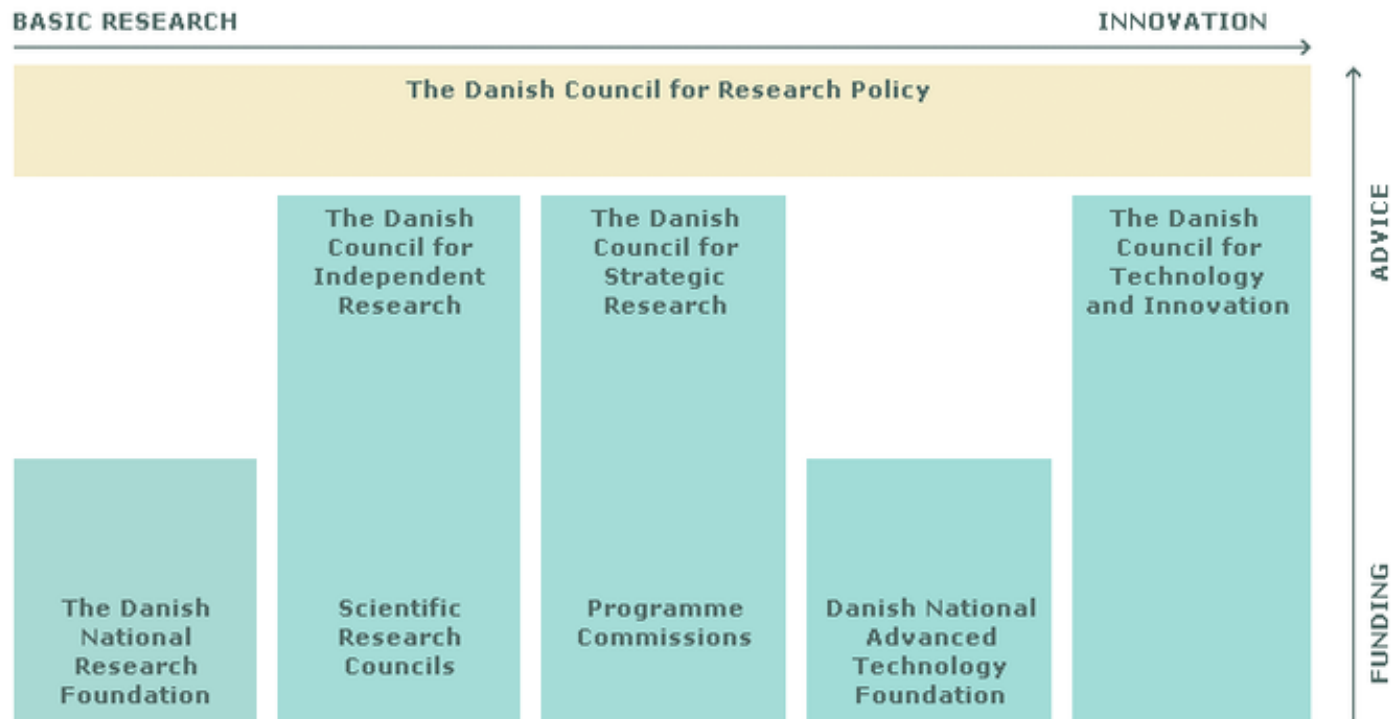


- 1. Danish Research and Innovation Funding system**
- 2. Memberships of international Research Infrastructures**
- 3. Research Infrastructure programme I (2007-2009)**
- 4. Research Infrastructure programme II (2010-2012)**
- 5. Research Infrastructure programme III (2013 -)**
- 6. Danish involvement in ESFRI research infrastructures**



1. Danish Research and Innovation Funding system

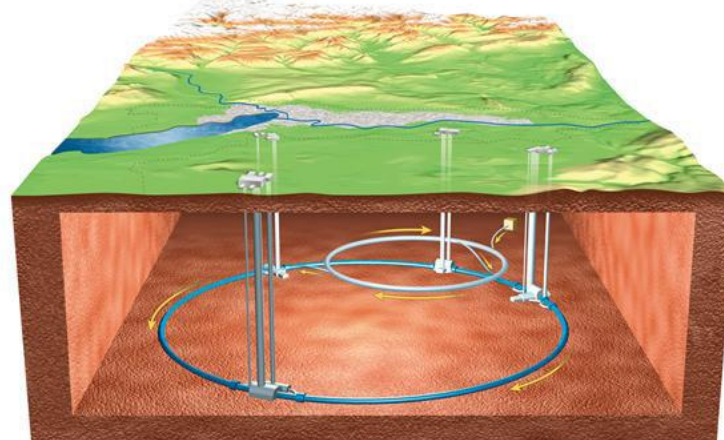
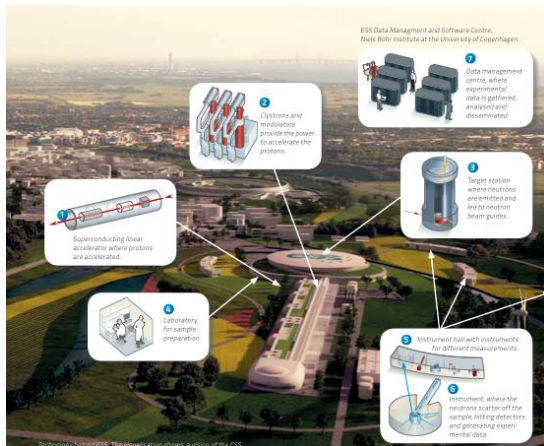
The Advisory and Funding System for Research and Innovation



2. Memberships of International Research Infrastructures

2013 Larger Danish RI membership contributions ~DKK 600 mio.

- European Spallation Source (**ESS** ~DKK 200 mio.)
- European Organization for Nuclear Research (**CERN** ~ DKK 120 mio.)
- European Space Agency (**ESA** ~DKK 110 mio. + DKK 110 mio. optional)
- European Southern Observatory (**ESO** ~DKK 25 mio.)
- European Molecular Biology Laboratory (**EMBL**~DKK 16 mio.)
- European X-ray Free Electron Laser (**eXFEL**~DKK 13 mio.)
- European Synchrotron Radiation Facility (**ESRF** ~ DKK 9 mio.)
- Institut Laue-Langevin (**ILL**~DKK 7 mio.)



3. Research Infrastructure Programme I (2007-2009) – Expert Panel

1) Volume

600 DKK mio.

2) Support

Establishment of large, national research infrastructures

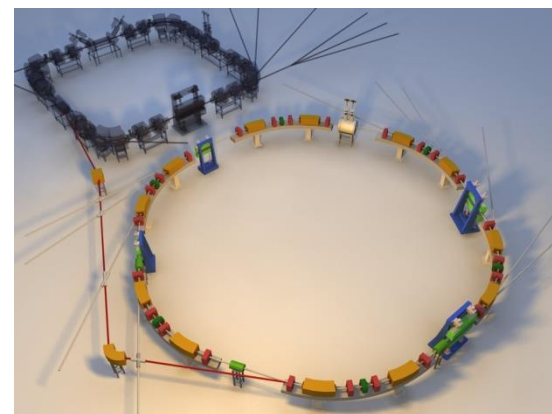
Danish participation in international research infrastructures

Design studies, feasibility studies etc.

3) Implementation principle

International expert panel

4) 7+ 10 + 9 project supported (e.g. ASTRID 2, BioBank DK)



4. Research Infrastructure Programme II (2010-2012) – Danish Roadmap

1) Volume

240 DKK mio.

2) Support

Danish Roadmap

3) Implementation principle - Six scientific panels

1. Humanities and Social Sciences
2. Energy, Climate and Environmental Sciences
3. Biotech, Health and Life Sciences
4. Materials Technology and Nanotechnology
5. Physical Sciences
6. e-Science

Panels prioritized 3 cases each

4) 6 project supported (from all categories)

Projects including co-funding from universities and memberships of relevant ESFRI projects paid by the project the first 5 years and by the relevant universities after 5 years (or Denmark will stop participation)



5. Research Infrastructure Programme III (2013 -) – National Committee (NUFI)

1) Volume

45 DKK mio. in 2013 in total

2) Implementation principle – NUFU

Financing of future infrastructure projects to a lesser extent are financed by central government funds and central funds will only be available for infrastructures of broad national interest

Financing will not be in competition but in cooperation with the universities and increasingly come from the universities, research institutions, and other sources.

The Committee has the overall task to act as a forum for establishing the foundation for decisions and agreements between universities on priorities, establishment, continuation and funding of national and international research infrastructures.

In this context the committee will assist and advise the ministry on the development of the national roadmap for research infrastructure, provide advice on the allocation of central government funds, as well as initiate and follow up evaluations of national and international research infrastructures



5. Research Infrastructure Programme III (2013 -) – National Committee (NUFI)

3) Support

- a) New National and international research infrastructure investments together with the universities
- b) Support activities in connection to all existing RI memberships regardless of field of research (responsibility taken over from the research council)
- c) Existing membership fees of smaller RI's (taken over from research council)

4) Example of project supported ???

Danish decision on support to E-ELT has been taken in 2013
Financed by 36 mio. DKK in total for 2013-2023 from University of Copenhagen, University of Aarhus and Technical University of Denmark in addition to a lift of the Danish membership paid by the ministry (20.4 mio. DKK in 2013)



5. Research Infrastructure Programme III (2013 -) – National Committee)

Principles on funding for individual researcher and research groups

Competition on project level and research groups as usual – excellence
Responsibility of research councils and foundations together with universities
– not the ministry

Principles on investments in RIs

Cooperation between universities on RIs to build on excellence and to build excellence

OPEN consortia to implement RIs – Roadmap projects
OPEN means **actively** inviting all relevant and potential participants

National RI investments to benefit the total research community - or the single university must pay by it selves!

Universities to commit together in financing of RI of national interest (together with ministry)



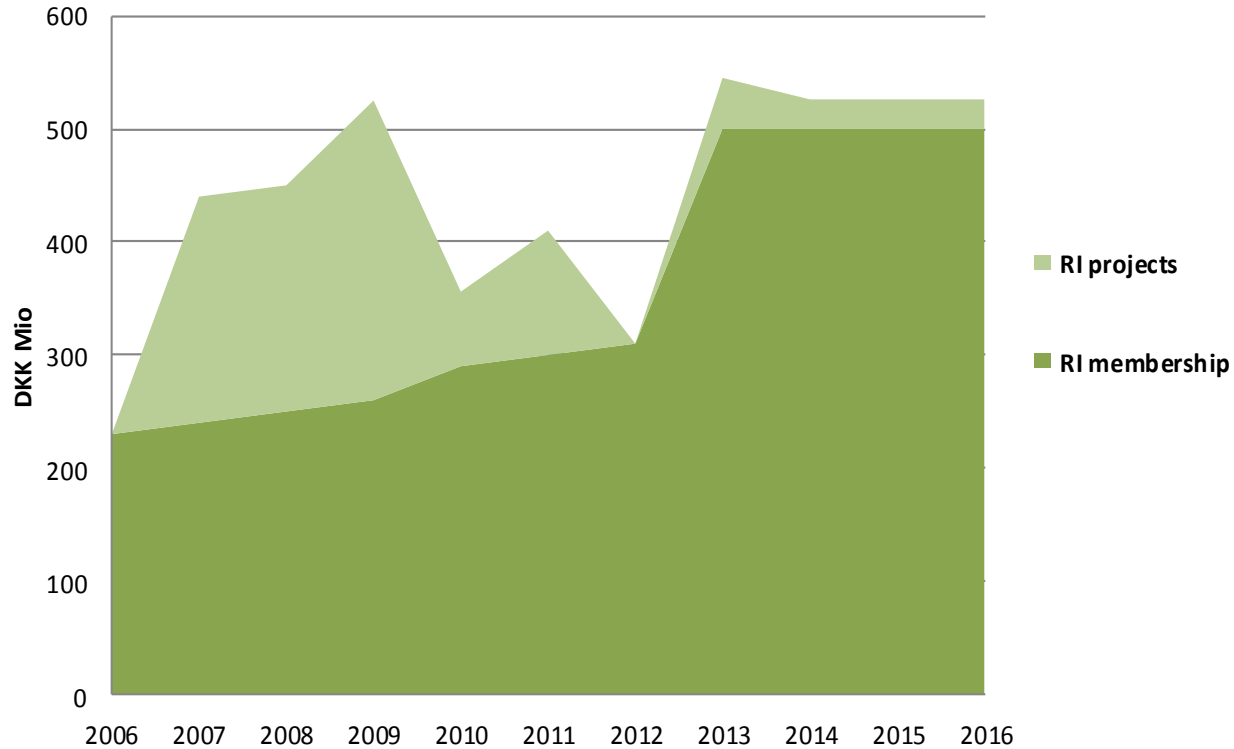
6. Overview of ESFRI research infrastructures

- Co-host of ESS (European Spallation Source) in Lund, Sweden
– with Data Management Centre in Copenhagen
- Coordinator or future host of other ESFRI projects:
WINDSCANNER
- All ready participating in 10 ESFRI projects covering a broad range of research
- Planning to participate in 7 other ESFRI projects

(ANAE), (BBMRI), CESSDA, CLARIN, DARIAH, EATRIS, E-ELT, ELIXIR, EPOS, ESRF upgrade, ESS-European Spallation Source (ESS - European Social Survey Upgrade), (ICOS), (Euro BioImaging), INSTRUCT, (LIFEWATCH), (PRACE)



Overview of Danish large scale RI investments



Thank You!

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