R&D expenditure as percentage of GDP
Funding providers of R&D in Sweden 2013
(billion SEK)

- Businesses: 101
  - Private non-profit org: 3.3
- Government: 31
- Intl/EU: 8
- Public research foundations: 1.2
- Municipality/county: 3.1

Totally approx 147 billions SEK

Source: SCB, dec 2014
Research funding providers 2014

MILLION SEK

THE SWEDISH RESEARCH COUNCIL                  5671
KNUT AND ALICE WALLENBERG                        2380
SWEDISH ENERGY AGENCY                            1344
FORMAS                                             1181
FORTE                                              1112
SWEDISH FOUNDATION FOR STRATEGIC                 536
SWEDISH CANCER SOCIETY                           468
THE SWEDISH FOUNDATION FOR THE NATIONAL SPACE BOARD 412
THE KNOWLEDGE FOUNDATION                         381
THE FOUNDATION FOR BALTIČ AND EAST                342
MISTRA                                              194
180
179
Swedish Research Council, VR

The Swedish Research Council plays a leading role in developing Swedish research of the highest scientific quality, thereby contributing to society’s development.

- Provides funding for and strengthens researcher-initiated basic research
- Initiates research in strategically important areas
- Works for an efficient research system
- Advisory consultant to the Swedish government in research-related matters
Concrete tasks

• Provides funding for research of the highest scientific quality
• Overall responsibility for national research infrastructure
• Performs analyses and advises the government
• Promotes international collaborative research
• Coordinates and develops communication about the significance, results and conditions of research
• Distributed 6.4 Billion SEK in research funding in 2015
Research landscape

• Not many research institutes for fundamental research, unlike many other European countries
• VR only supports a small fraction of salaries for researchers
• Universities and other higher education institutions have the primary responsibility for funding researchers working in fundamental research
Type of research funding

• Research project funding
  – support to one or more researchers to carry out a specific research project

• Research environment and Research collaboration funding
  – support to a research objective or a research area in a long-term perspective

• Career support funding
  – support for individual researchers to improve their academic career opportunities

• Operational grant funding
  – support to activities which support research on a national or international level

• Research infrastructure funding
  – support for construction, operation and decommissioning of national or international research infrastructures
Funding research of the highest scientific quality

- Scientific development is stimulated by open competition where the best research ideas are rewarded. Peer review for highest research quality
- Efficient, clearly-defined processes
- Researchers on subject advisory boards, councils and committees
  - Around 800 researchers participate in the reviews each year, of which around a quarter are international
Types of grants 2015
Total: 6 401 million SEK

- RESEARCH PROJECT FUNDING: 2,755
- RESEARCH ENVIRONMENT & RESEARCH COLLABORATION FUNDING: 1,042
- CAREER SUPPORT: 511
- OTHER: 97
- INTERNATIONAL COOPERATION AND COLLABORATION: 79

[KATEGORINAMN] [VÄRDE]
Overall responsibility for research infrastructure

• Provides funding for national research infrastructures

• Member of international infrastructures and organisations

• Monitors and evaluates

• Develops strategies and plans
  - Roadmap for Sweden’s long-term needs of national and international research infrastructure: the Research Council’s Guide to Research Infrastructure
Council for Research Infrastructure, RFI

The Swedish Research Council, VR

The Council for Research Infrastructure, RFI

Astronomy & Subatomic Physics
Molecular, Cell & Material Research
The Earth and its Near Surroundings
E-Science
Man, Culture & Society
Ad-hoc Panels
Short history

KFI 2005-2008
VR decide to set up a committee for research infrastructure

RFI 2009 –
KFI is reorganized into the Council for Research Infrastructure

RFI 2013 – New Model
RFI gradually start to develop what became the “new model”, or just “the model”.

Going from bottom-up towards a mixed model
"Standard model" for funding RI

Year 1
Proposals for need of infrastructure

Scientific and strategic evaluation and prioritization by RFI

Update of infrastructure roadmap

Year 2
Call for funding:
- Existing or new national infrastructure
- Upgrade or new international

Application for funding

Evaluation

Ongoing engagements in international organisations

Decision on funding by RFI
Research infrastructure funding from VR 2015

Larger infrastructures, 1 918 MSEK

<table>
<thead>
<tr>
<th>Infrastructure</th>
<th>Funding (MSEK)</th>
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<tbody>
<tr>
<td>ESS</td>
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<tr>
<td>Other National Infrastructure</td>
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Total funding: 1 918 MSEK

MILLION SEK
International infrastructure funding 2015

Total of 605 MSEK to 37 organisations
Nuclear physics project funding from VR

- Handled by the Council for Natural and Engineering Sciences
- Typical project grants are approx 0.9 MSEK per year for four years
- No earmarked project funding for nuclear physics. Applicants compete with researchers from other areas.
- Focus on young researchers
- Focus on gender equality in the review process
Thank you for listening!