

Evaluation of scientific research fields/ disciplines

Special adviser Gro E M Helgesen
Division for Science

Objectives

- Basis for policy advice
- Basis for Research Council strategy
- Measures to improve quality
- Research institutions' own development

“a gift to the research system”

Methods

- Self evaluations
- Bibliometry
- Hearings (SWOT-analysis)
- Peer reviews
- Reports and feed back

- Initiating the follow-up

Evaluations of disciplines

- Chemistry (1997)
- Geo Sciences (1998)
- Biology, basic incl biomedicine (2000)
- Physics (2002)
- Mathematics (2002)
- ICT (2002)
- Linguistics (2002)
- Political Science (2002)
- Medicine and Health (2004)
- Pedagogics (2004)
- Technology/Engineering Sciences (2004)
- Nordic languages and literature (2005)
- Pharmacy (2006)
- Developmental research (2007)

Terms of Reference

Expert panels (peer reviewers) evaluate:

- Scientific quality
- Relevance
- Collaborations (nationally and internationally)
- Research organisation
- Leadership

Organisation

3 expert panels (3 reports):

- Biology
 - Medicine and health
 - Engineering Sciences
- Joint Committee produced summary report based on the three panel reports

Plan of action

- Administrative planning
- Information/dialogue with research institutions
- Appointing panels
- Fact sheets
- Self evaluations
- Hearings
- Evaluation reports (quality control)
- Summary report
- Public presentation

Consistency in findings

- Lack of strategic awareness
- Lack of scientific leadership
- Lack of long-term and stable funding
- Unused potential in international publishing
- Lack of infrastructure/research equipment
- Recruitment problems
- Generally uneven quality, but still many research groups of a very high international calibre

Follow-up

National research plan:

- What is needed?
- Who is responsible?
- What measures?