

„Ways of successful science, technology and innovation  
cooperation between Europe and the USA“  
23-24 April 2012, Vienna

“Nordic Research Opportunity – a collaboration with NSF”

Berit Johne, The Research Council of Norway

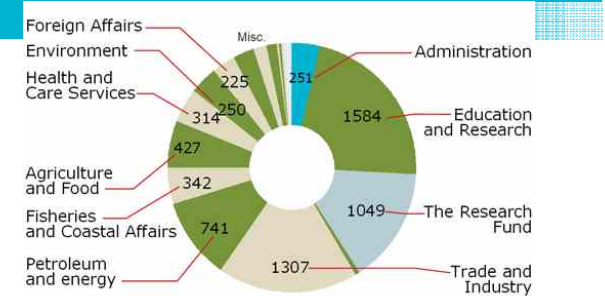


# The roles of the Research Council

- Adviser to the government
- Research funding
  - Support basic research
  - Implement national thematic priorities
  - Support private R&D
- Networking and dissemination
- Internationalization



# A variety of funding schemes



Centers of Excellence

Centres for Research-based Innovation

National priorities  
Large-scale programmes

Basic research programmes

Applied research programmes

Innovation programmes

Independent projects

User-directed innovation programmes

Tax deduction scheme  
SkatteFUNN

Total NOK 7 073 mill. (ca 1000 mill. €)

## *RCN's strategic tools and actions to promote* **Cooperation and mobility with North-America:**

- **2001: A government strategy for Norway's relations with the United States and Canada**
- **2004: A long term Strategy for Scientific and Technological Cooperation**
- **2005: a US Agreement on Science and Technology Cooperation**
- **2010: Letter of Intent with NIH**
- [RCN's North-America page](#)



- **Transatlantic Science Week (2001-12):**
- **Centennial Chair: UMN-UMB-UiO**
- **Peder Sather Center at UC Berkeley**
- **Innovation in Silicon Valley**
  - (RCN, Innovation Norway, SIVA)

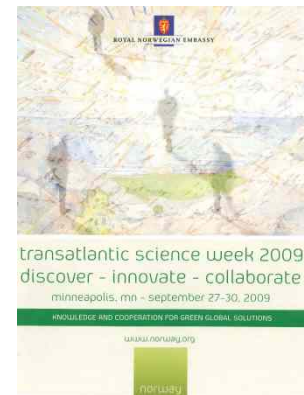
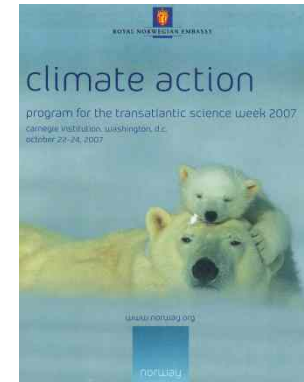
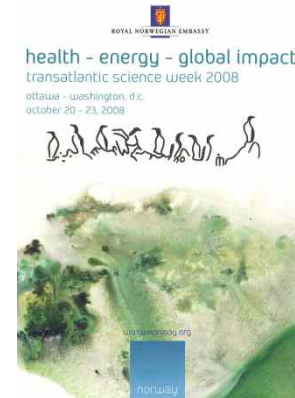
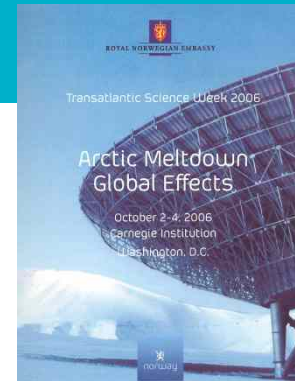
- **The Leiv Eiriksson mobility programme:**
- a follow-up to the "**Strategy for Scientific and Technological Cooperation.**
- contribute to the long-term escalation of R&D collaboration with the USA and Canada by allowing more Norwegian researchers to spend time across the Atlantic.
- **LE grants 2005 – 2009:**
  - 112 to North-America (7 Can, 105 US)
  - 33 to Norway (5 Can, 28 US)
- **LE 2010 – 2012:**
  - 95 to North-America
  - 40 to Norway
- **Nordic Research Opportunity (NRO)**
  - 28 to Norway from US (2008-10) + 11 for 2011



# Transatlantic Science Week ...the ten first years

- 2001-05: S&T Forum
  - Washington DC
- 2006: **arctic meltdown – global effects**
  - Washington DC
- 2007: **climate action**
  - Washington DC
- 2008: **health-energy-global impact**
  - Ottawa CAN -Washington DC-Bethesda MD
- 2009: **discover-innovate-collaborate**
  - Minneapolis MN
- 2010: **global challenges**
  - Washington DC
- 2011: **innovation frontiers**
  - Berkeley and Palo Alto, CA
- 2012: **bridging partnerships**
  - Houston, TX

& Cancer Symposium  
Raleigh, NC





# The Nordic Research Opportunity programme (NRO)

Norway, Finland, Sweden, Denmark

- Objective: to allow NSF Graduate Research Fellows to broaden their international experience through exposure to leading Nordic institutions and to open up for future cooperation with European partners.
- Open to all current NSF Graduate Research Fellows (on tenure or reserve) during the period of time proposed for the research activity in Norway.
- Potential host institutions in Norway include Norwegian Centres of Excellence and Centres for Research-based Innovation.

Academic year	Number
2009/10	13
2010/11	9
2011/12	9
2012/13	11
<b>total</b>	<b>42</b>

Grants will cover documented costs of settling in and associated extra costs incurred in connection with the research visit based on fixed monthly amounts.

- NOK 13 500 per month (single)
- NOK 27 000 per month (w/family)

Duration: 3-12 months

Annual budget NOK 750 000

## 28 of NSF's Graduate fellows to Norway:

### «*Nordic Research Opportunity 2008-10*»

#### From 22 top US universities:

Carnegie-Mellon U (1)  
 Cornell (1)  
 Duke U (2)  
 Harvard (1)  
 MIT (2)  
 Oregon State U (1)  
 PennStateU (1)  
 South Dakota School of Mines  
 Stanford U (1)  
 U Colorado Boulder (1)  
 U Florida (1)  
 U Manchester(UK) (1)  
 U Maryland, College Park (1)  
 U Minnesota (4)  
 U Montana (1)  
 U Oregon (1)  
 U Virginia (1)  
 U Washington (2)  
 U Wisconsin – Madison (1)  
 UCLA (1)  
 UCRiverside (1)  
 Yale U (1)



#### Topics:

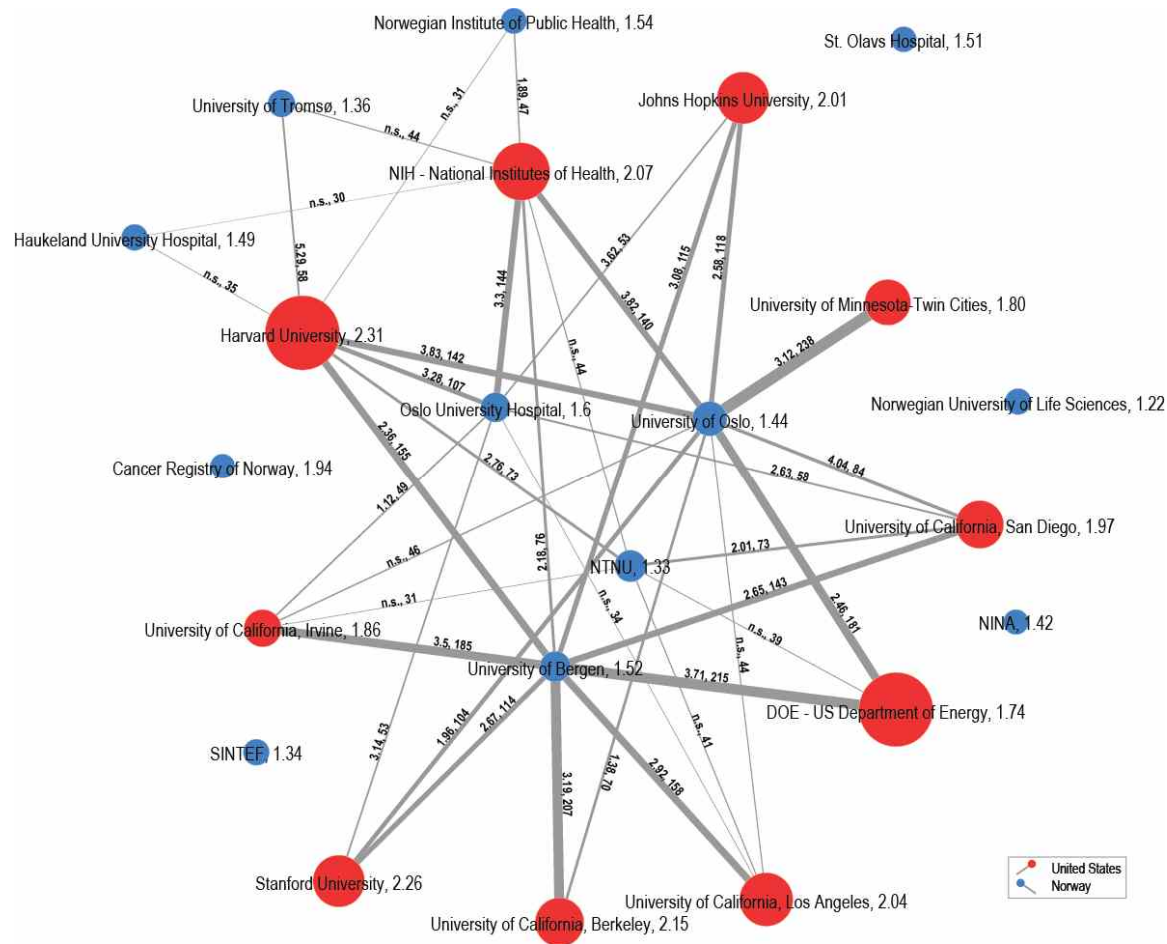
Biology (3)  
 Genome (1)  
 Evolution (1)  
 Ecology and environment (3)  
 Climate (3)  
 Geoscience (4)  
 Energy (7)  
 Nanotechnology (energy rel) (2)  
 Materials (wood, concrete) (2)  
 Economics (1)  
 Linguistics (1)



#### To 9 Norwegian institutions:

University of Oslo (9)  
 NTNU (7)  
 University of Bergen (6)  
 University of Tromsø (1)  
 UNIS (1)  
 SINTEF (1)  
 NIVA (1)  
 The Norwegian Forest and Landscape Institute (1)  
 Geological Survey of Norway (1)

# Scientific collaboration between selected Norwegian institutions and the top 10 US institutions that collaborate the most with Norway, 2003-2010\*



Science-Metrix  
 Scientific Production of Norway and Collaboration with the US, Canada and China  
 Selected Bibliometric Indicators



\* Dots represent institutions total number of papers. On the connecting lines are copublications (threshold 30) and average relative citations. (Data without particle physics)



## **In summary:**

# **How does RCN promote cooperation with USA?**

- USA – most important single country. North-America represents 1/3 of Norway's international co-publication.
- National Contact Point in RCN works with the Science Counsellor in Washington, DC
- *Transatlantic Science Week* is an important annual arena.
- All RCN programs set international goals:
  - North-America is important in any research and innovation frontier
  - Researcher to researcher and institutional cooperation is promoted
- Dedicated programs:
  - *Leiv Eirikson mobility program*
  - *Nordic Research Opportunity* – in cooperation with NSF
  - Dialogue with NIH aiming at program cooperation
- Bilateral formal and informal dialogues at ministry and funding agency level – with the science community involved