



Concluding remarks

How to promote mobility for students and researchers in the Baltic Sea Region?

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Preliminary conclusions

- From mobility in it self to mobility for substance, for excellence
- Public Private Partnership as an engine for boosting the knowledge triangle
- It is about mindset
 - (and also some real border hindrances)
- The need for substantial and creative incentives for making the Knowledge triangle spin
- The mode of communication boosts major changes
- Brand and promote the Nordic and Baltic Sea knowledge area
- The best platform for and mobility and innovation: Openess, transparency, diversity,
 - low level of hierarchy, freedom of ideas and democracy

Nordisk samarbejde

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Why do we need mobility of academics, students and researchers?



- Quality, personal development, knowledge sharing
- Collaboration in research and innovation, networks, initiatives and critical mass needs
- Labour market needs, in particular the needs of knowledge intencive enterprises
- For market integration







Mobility as inflow

Inflows of foreign workers into OECD countries

Tusinder										
	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008
Danmark Finland Norge Sverige	3,1 14,0 2,4	3,6 10,4 4,8 15,6	5,1 14,1 17,8 12,6	4,8 13,3 23,5 10,0	2,3 13,8 25,2 10,2	4,3 15,2 33,0 8,5	7,4 18,7 28,3 5,8	13,6 21,0 40,5 11,5	17,2 23,0 54,8 9,6	7,6 25,0 52,5 11,0

Kilde: International Migration Outlook 20104

Note: Se rapporten for detaljer med hensyn til opgørelsesmetoder. ⁵

Since 1985 the percentace of young educated to an academic level has increased from < 5 to over 20%

What do we know about mobility for academics in Norden?



EPINION

Akademisk arbejdskraftmobilitet i Norden

Nordisk Ministerråd

Kortlægning af mobilitet og fleksibilitet på det fællesnordiske arbejdsmarked for akademikere – et 'feasibility study' med fremadrettede anbefalinger

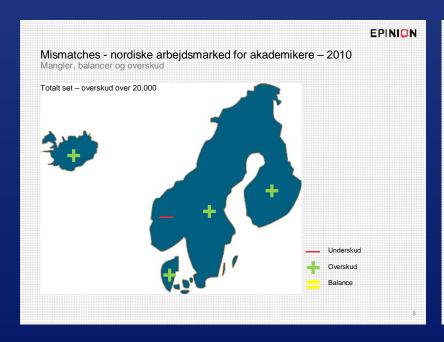


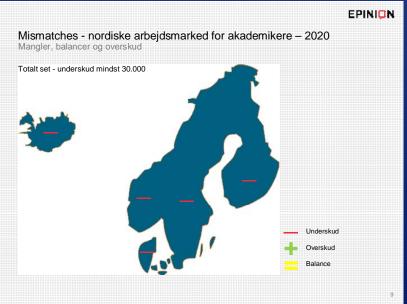




What do we know about mobility for academics in Norden?







What do we know about mobility for academics in Norden?



The feasibility study by Epinion finds a lack of at least 30.000 academics in 2020

A study by AE, Denmark, finds that Denmark alone will need 180.000 more academics to feed private and public sector in 2020 (Børsen 22/11/2010)

Needs Public sector 70.000 Needs Private sector 210.000

Educated/offer: 100.000

Lack: 180.000









The first Nordic Globalisation Forum in Riksgränsen, 8–9 April 2008

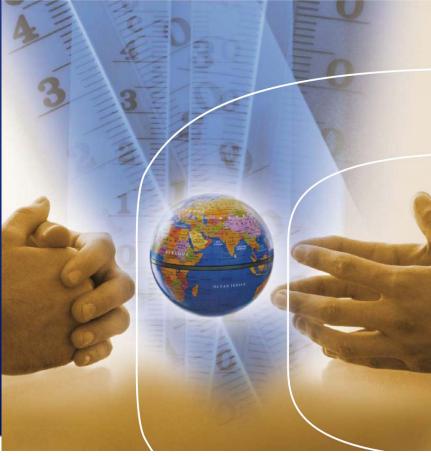


While many of the necessary changes have to happen at the local, national, or EU level, regional collaboration among the Nordic countries can be significant in a number of areas:

- Deeper regional market integration is critical to overcome the multiple costs of the small national markets;
- global excellence in science is easier to achieve in a regional context;
- human capital attraction is more effective if global talent gains simple access to the entire region;
- **cluster development** can become more effective through stronger regional competition and collaboration among clusters;
- articulating the specific value the Nordic region offers to businesses can support the positioning of individual regions; and
- a consensus on key elements of globalization at the Nordic level can contribute to more effective national policy debates.

Global Pressure - Nordic Solutions?

The Nordic Globalization Barometer 2008



The second Nordic Globalisation Forum Iceland, 26–27 February 2009

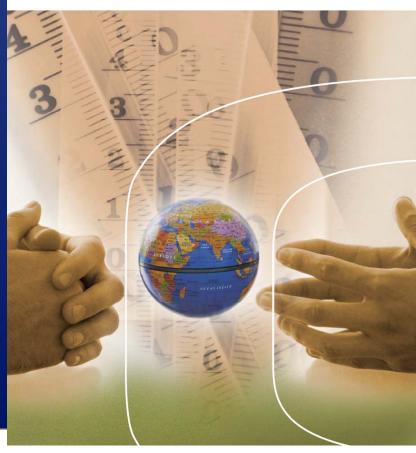




The Nordic position in knowledge production in the field of energy and environment is good but not outstanding. There are few institutes with global visibility, but a relatively high number of smaller universities and other research institutes. An integrated Nordic <research and>innovation area would create a valuable counterforce."

Global Pressure - Nordic Solutions?

Nordic Globalization Barometer 2009



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Global Pressure - Nordic Solutions?



Nordic Globalization Barometer 2010

The analysis of corporate R&D activities puts some of these competitive challenges facing the Nordics into clear focus. Actions are needed both on competitiveness and on globalization readiness:

Highly skilled employees and world-class research are the bedrock of Nordic
competitiveness and a key reason for the high level of R&D intensity in
the region. In both areas, the region is in danger of falling behind markets
needs, not the least because of a lack of global perspective and Nordic
integration. If there is one critical issue that the Nordics need to get right,
it is this one.







19.6.2007 - Nordic premiers meet at Punkaharju to promote more skilled, visible and thriving Nordic region

The premiers shared a positive attitude towards the opportunities and challenges of globalisation for the Nordic countries.

They want to utilise these opportunities and meet the challenges by developing further the Nordic model, the fundamental parts of which are citizens' future welfare, competitiveness of enterprises, employment and economic growth, as well as a common culture and investment in sustainable development.

The premiers also want develop the strengths of the Nordic countries, the high-standard and extensive education system, expertise and research work, the ability to utilise information technology, as well as creative implementation of innovations.

The premiers agreed to launch a new Nordic endeavour in globalisation. The synergy benefits of the work carried out at the European and regional level will be utilised in the implementation. More profound co-operation with the Baltic countries reinforces the competitiveness of the entire Baltic Sea region and increases opportunities to utilise globalisation.

Norden skal motvirke proteksjonisme og møte krisen med grønn vekst

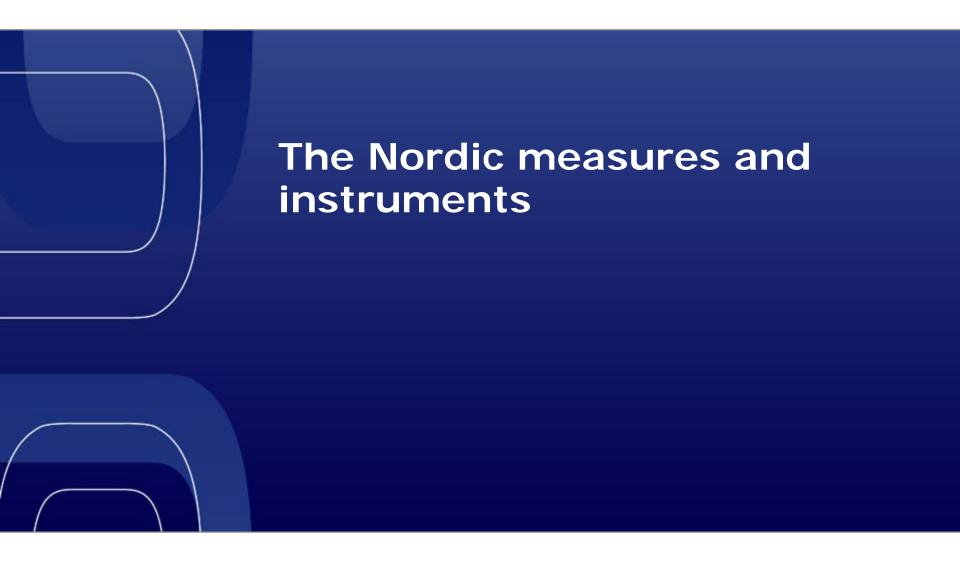


Brev februar/mars 2009

"For å utvikle og styrke Norden ytterligere skal vi fordype og utvikle samarbeidet vårt på hele kunnskapsområdet. Norden og Europa har et dynamisk indre marked. Dette markedet bygger på de fire frihetene for personer, varer, tjenester og kapital. Vi skal også fokusere på den femte friheten – fri flyt for kunnskap – der ideer, studenter, lærere og forskere fritt kan bevege seg over grensene, og som stimulerer til fri tilgang til kunnskap."

- Anders Fogh Rasmussen, statsminister, Danmark
- Fredrik Reinfeldt, statsminister, Sverige
- Jens Stoltenberg, statsminister, Norge
- Jóhanna Sigurðardóttir, statsminister, Island
- Matti Vanhanen, statsminister, Finland





Initiatives in particular relevant for mobility



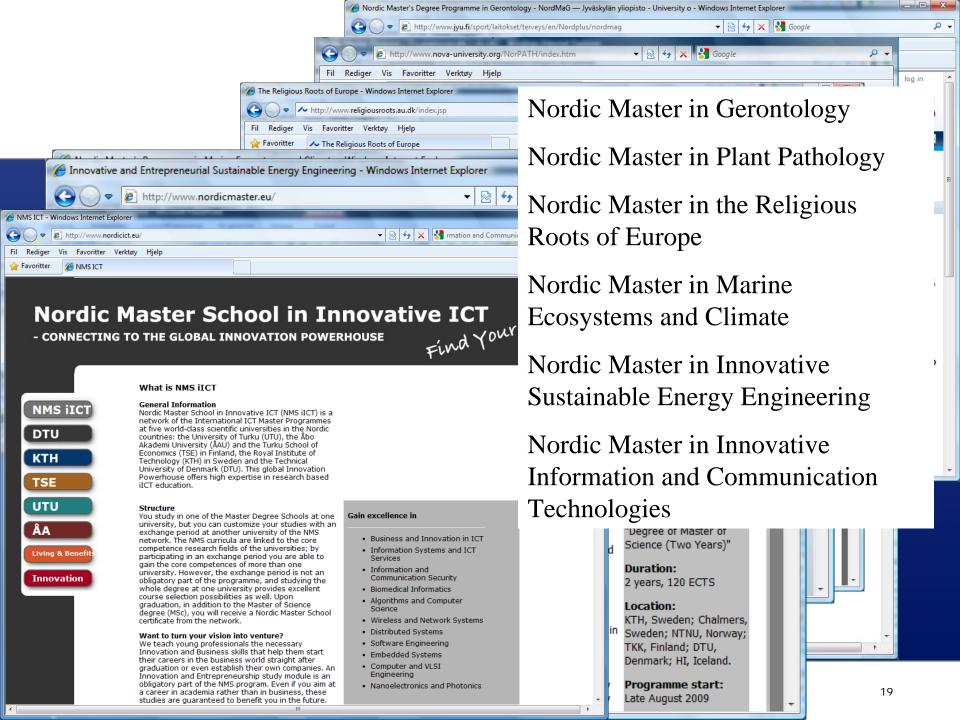
Globalisation initiatives

- 2. Nordic Top Level Research (TFI)
- 6. Further development of the Nordic Research and Innovation Area (NORIA)
- 7. eScience
- 8. Promoting Higher Education

Others

Nordplus

Knowledge infrastructure for the fifth freedom in the BSA





Nordic Academy

Nordic Master

+ Nordic Centre of Excellence

+ Nordic Phd, Enterprise/Industry PhD

= Nordic University / Academy ????

Knowledge Triangle Networks - Universities



- Knowledge exchange Research education innovation
- Two thematic networks, one generic:
 - Design
 - Health
 - Generic
- + Umbrella function
- Three years, 500.000 DKK, two step call for proposals – soon!

About Nordplus Who can apply? How to apply? Project examples Find a partner

Site map | Calendar | Publications/Media | History | News

Nordplus is the Nordic Council of Ministers' most important programme in the area of lifelong learning. More than 10,000 people in the Nordic region benefit from it every year.

- · Nordplus Junior
- Nordplus Higher Education
- Nordplus Adult

ADULT

HORIZONTAL

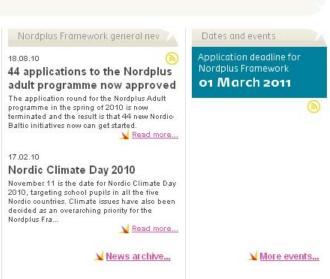
LANGUAGES & CUI

- Nordplus Horizontal
- Nordplus Nordic Languages and Culture

Read more...











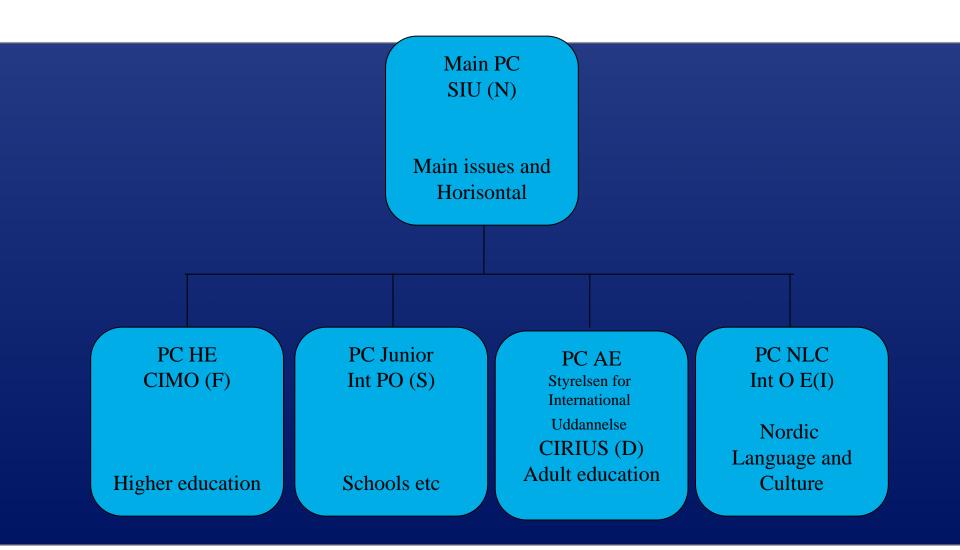
Nordplus – now:

- Evaluated (and what is the Nordic and Baltic added value?)
- First discussions on the new proramme to take place in February
- To be decided june november 2011
- New framework programme to be launched 1/1/2012



Programme structure

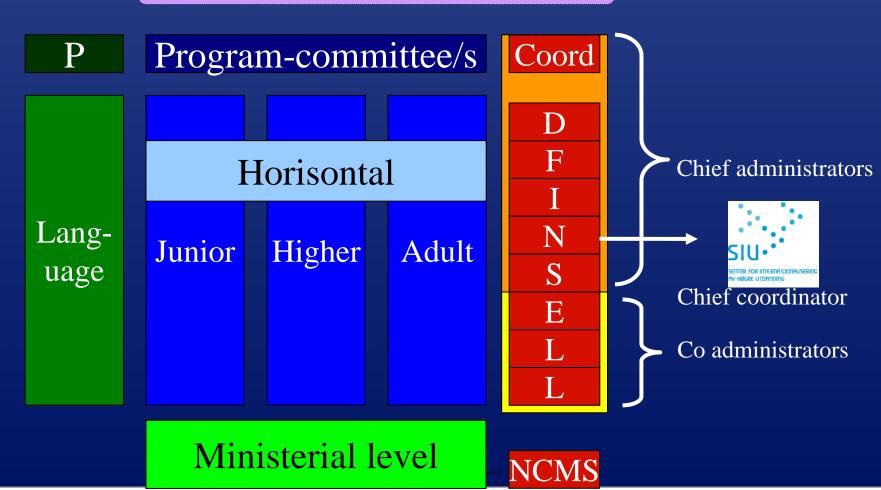








Nordic-Baltic



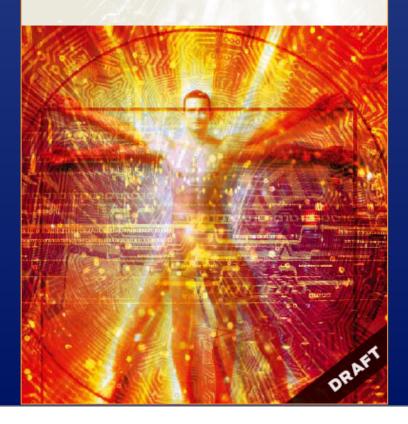
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eScience – now as Initiative



Nordic eScience Action Plan 10 concrete actions to implement the Nordic eScience Strategy



Wikipedia:

The term e-Science (or eScience) is used to describe computationally intensive science that is carried out in highly distributed network ...



Towards a Baltic Sea charter on knowledge infrastructure for the 5th freedom?

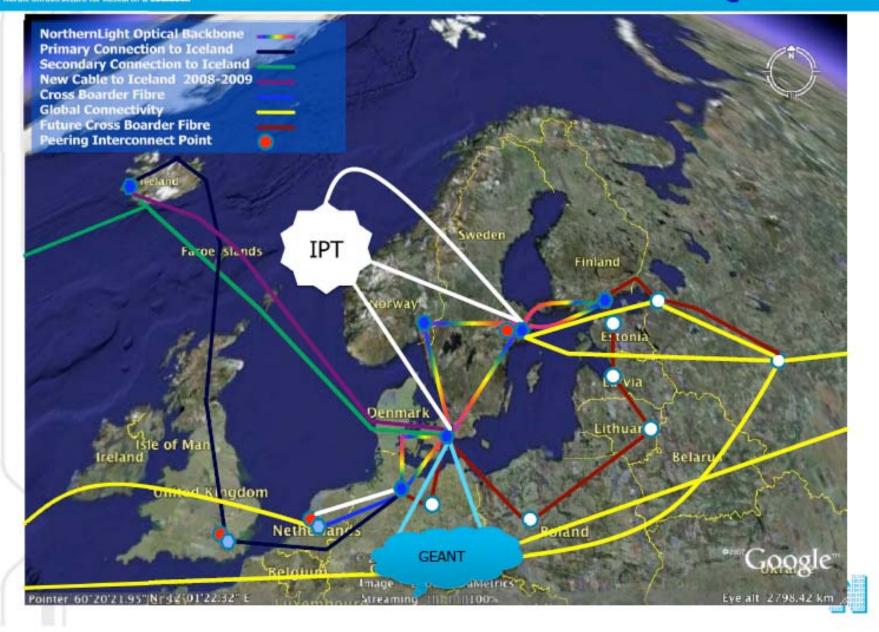
- Networks
- Digital services
- eScience



NORDUnet

Reselle infrastructure for Beauerch & Education

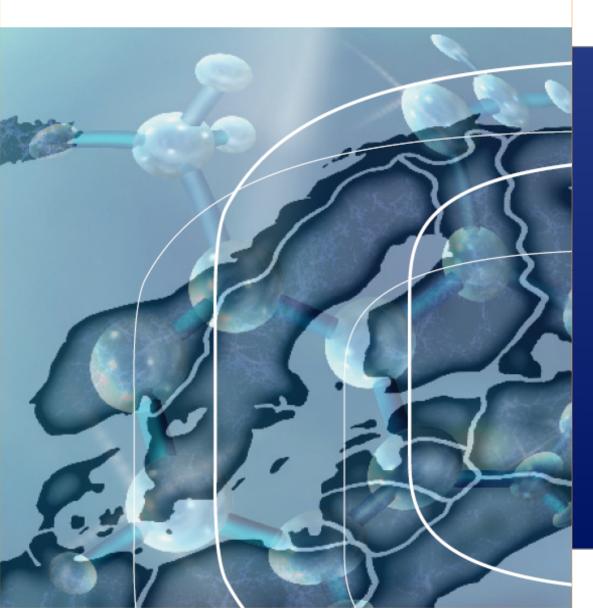
NORDUnet Infrastructure Q4 2008



Knowledge Infrastructure for the Fifth Freedom in the Baltic Sea Area

A feasibility study for the Nordic Council of Ministers





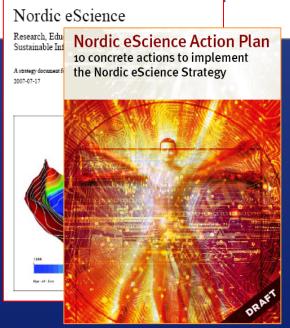
Knowledge Infrastructure for the Fifth Freedom in the Baltic Sea Area

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Three steps initiative up to now

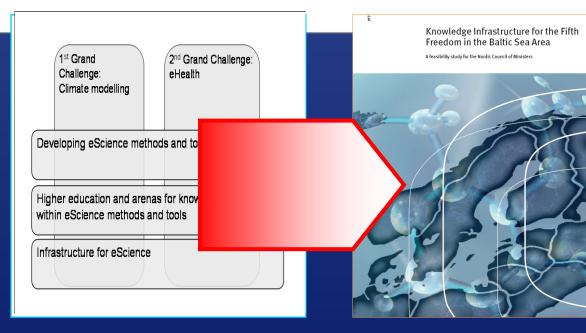


Nordisk Ministerråd Nordisk Råd



Nordic eScience strategy and action plan

2006 - 2009



Nordic eScience globalisation project

2010

A baltic sea knowledge infrastructure for the fifth freedom

2010 and onwards

Ministers decision 5/11/2010 Invitation



What

 The Nordic Ministers with support from the Baltic Ministers invite the other states around the Baltic Sea, Poland, Russia and Germany to consider establishing a joint Knowledge Infrastructure for the Fith Freedom.

Who

Meeting Senior Officials assisted by experts

When

• Spring 2011



- NCM invites, in some areas, to use the instruments it has, were it is feasible (bottom up, if not eligible for funding – carry own funding)
- When carry forward the knowledge infrastructure thing, NCM consider to organise a workshop in cooperation with a coalition of willing funders (NIB, EIB, EEA-grants, EU-FP7 and others)
- The knowledge infrastructure for fifth freedom a great opportunity or joint efforts and success





With the preliminary conclusions in mind we also need to know

Nordic Council of Ministers – promoting the fifth freedom in the Baltic Sea Area

