



**norden**

Nordisk Ministerråd

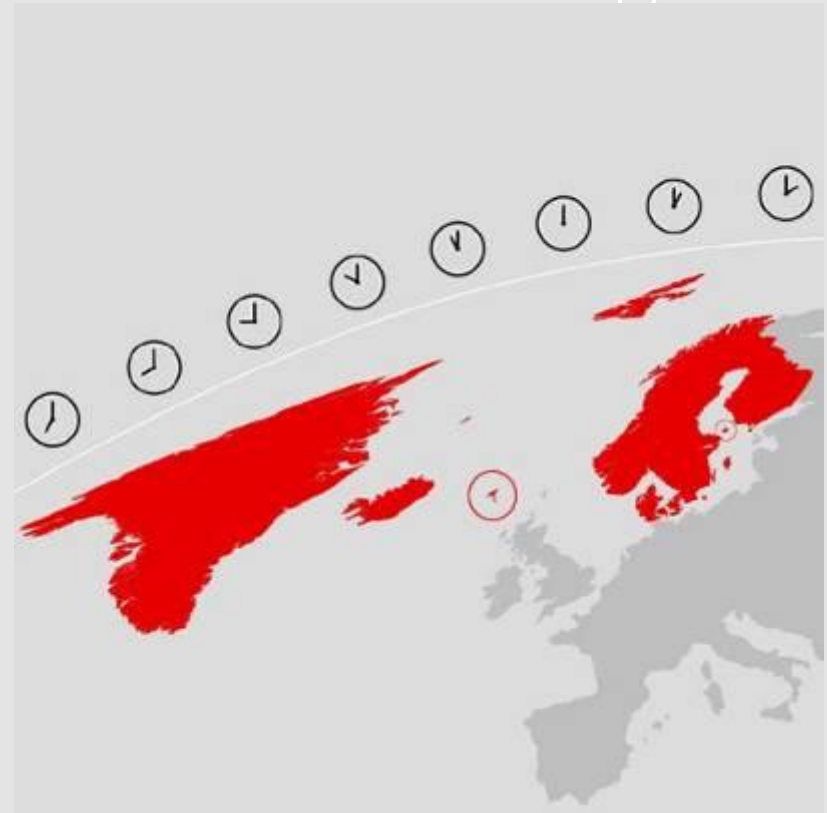
# **Baltic Ring Workshop**

**24-25 November 2011, Riga Business School**

**Fredrik Melander  
Acting Head of Departement**

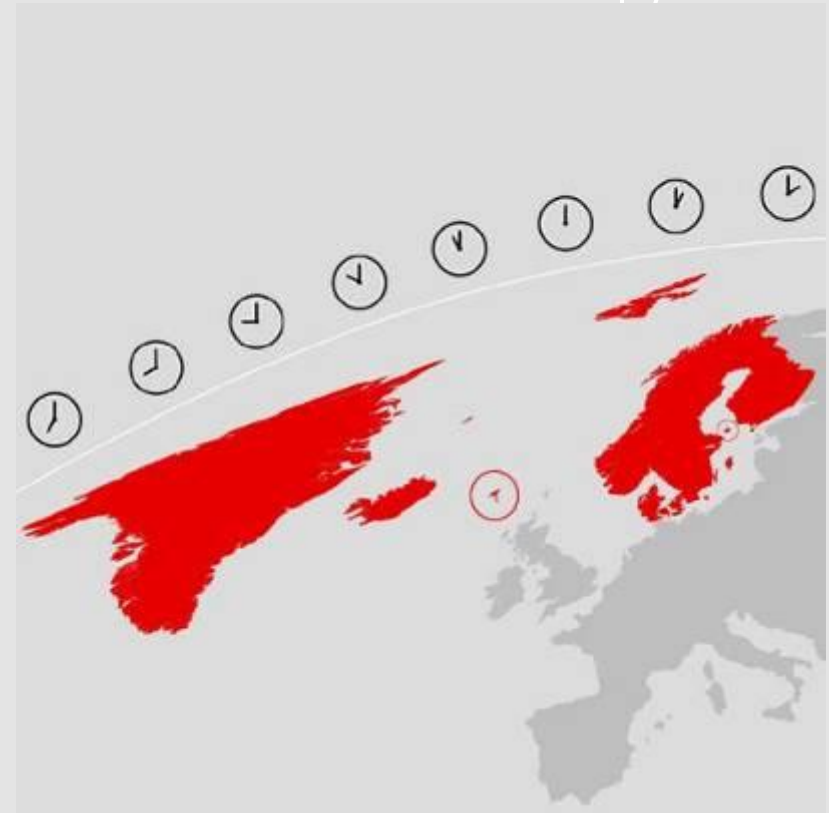
# What is Norden?

- Five small countries:  
Danmark, Finland,  
Norge, Sverige and  
Island
- Three autonomous  
areas:  
The Færøene, Grønland  
and Åland
  - 8 time zones
  - 25 mill people (2007)
  - 9 official languages



... and

- The world's 7th largest economy
- A research and innovation area, an integrated part of ERA, that supports free movement of knowledge
- A leading education area in Europe



Official Nordic co-operation is channelled through two organisations: the Nordic Council and the Nordic Council of Ministers.

- **The Nordic Council** was formed in 1952 and is the forum for Nordic parliamentary co-operation. The Council has 87 chosen members, representing the five countries and three autonomous territories.
- The Nordic governments have collaborated in **the Nordic Council of Ministers** since 1971.



- **11 Council of Ministers**
- **Headquarter in Copenhagen**
- **30 institutions**
- **More than 25 % of the budget for education, IT and research**
- **Offices in St. Petersburg, Kaliningrad, Tallinn, Riga and Vilnius.**
- **Information points in Murmansk, Archangelsk and Petrozavodsk**

[www.norden.org](http://www.norden.org)



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# **POLITICS**

## **The Nordic Globalisation Initiative**





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

Nordic premiers held their summer meeting on 18 and 19 June at Punkaharju. 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.

Therefore, 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.



REGERINGSKANSLIET

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



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## The Riksgränsen declarationen

"The Riksgränsen Declaration represents a boost to joint Nordic efforts to face up to the challenges posed by globalisation," it emerged from a press conference featuring the five prime ministers and the Secretary General of the Nordic Council of Ministers after the Nordic "Davos Meeting" in Riksgränsen.



**"The most important aspect of Nordic co-operation is that the countries jointly apply their research and innovation capacity and competitiveness in order to meet global challenges"**



# The Nordic Globalization forum 2009

## 26. - 27. February, Iceland



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- The Financial Crisis - Setback or Opportunity for Progressive Climate Policy?
  - invited guests from the business, research, and political communities and citizens' organizations and international guest lecturers
- Working groups discussions with back reports
  - Group A: Small economies' vulnerability
  - Group B: Progressive climate policy during a crisis
  - Group C: Energy, the environment and innovation





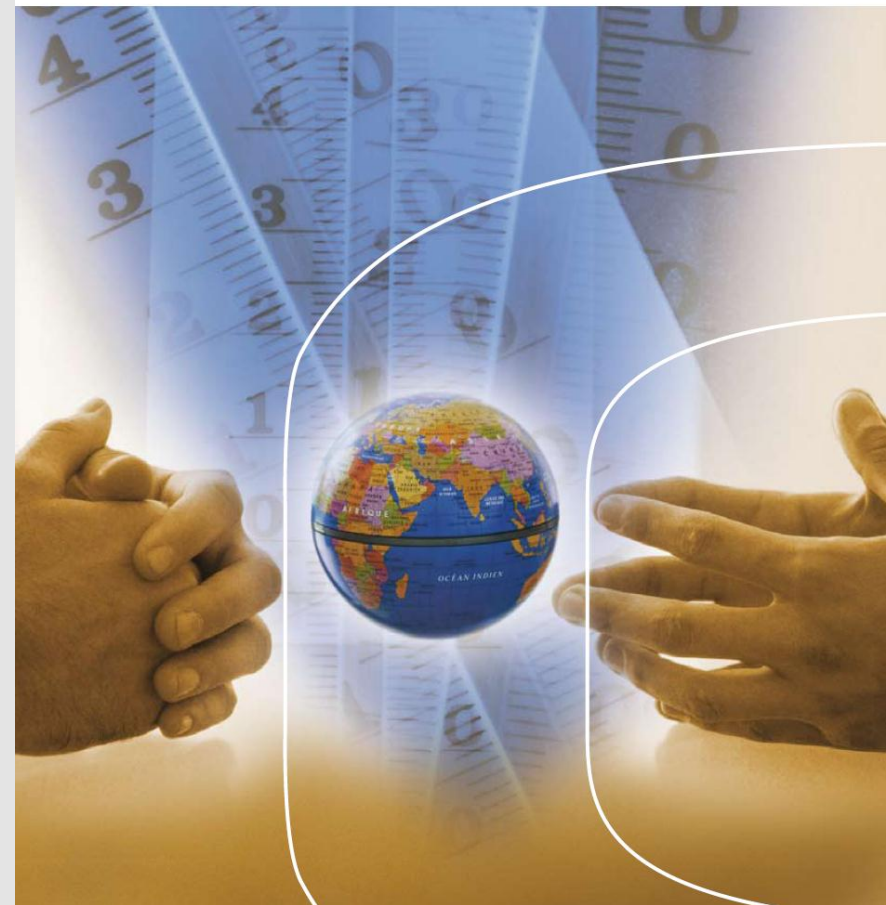
# The first Nordic Globalisation Forum in Riksgränsen, 8–9 April 2008

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

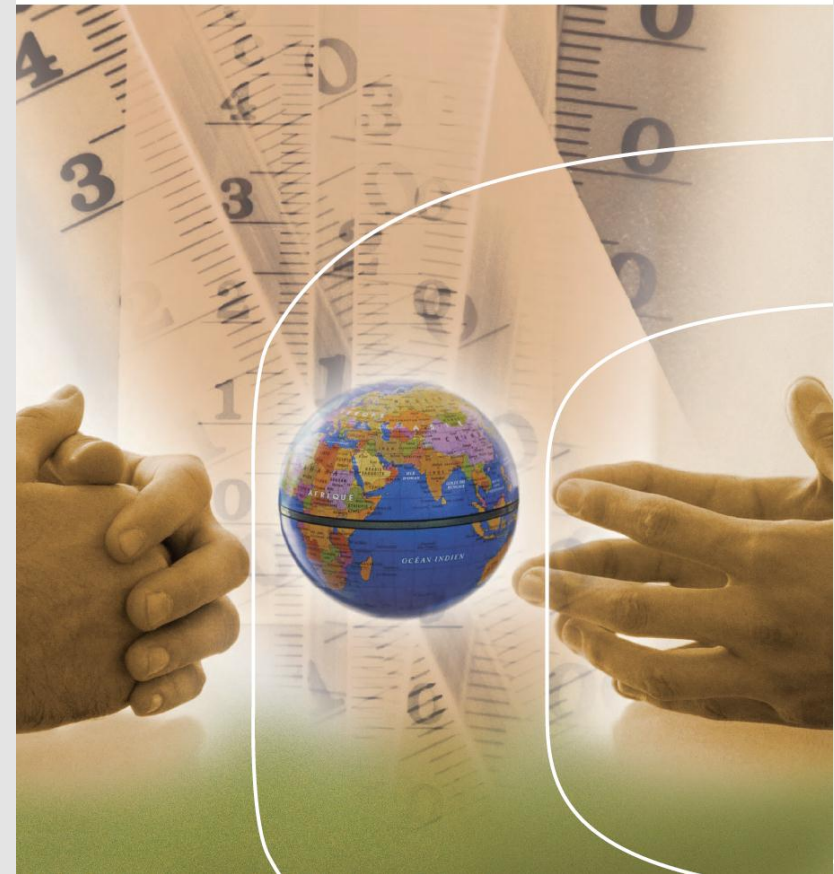
Iceland, 26–27 February 2009

”Competitiveness fundamentals are likely to become even **more important** when the **current crisis has dissolved**. The Nordic region **needs to retain its key strengths, especially on skills and research**. These are areas in which Nordic collaboration could help, for example by moving further towards an integration Nordic innovation area. ....

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







## Green growth

A “task force” is to be set up to map out Nordic positions of strength and identify sectors in which co-operation between the Nordic countries will add value. The task force will make tangible recommendations for making **green growth** one of the objectives for Nordic globalisation work.

# 1st November 2011, Copenhagen



## Norden – ledande i grön tillväxt

Rapport från de nordiska statsministrarnas arbetsgrupp för grön tillväxt



1. *utveckla nordiskt samarbete om testcenter för gröna lösningar.*
2. *samarbeta om utbildning och forskning för grön tillväxt.*
3. *främja förbrukningsflexibilitet på den nordiska elmarknaden.*
4. *samarbeta om gröna tekniska normer och standarder*
5. *samarbeta om gröna offentliga inköp*
6. *utveckla tekniker och metoder för avfallshantering*
7. *främja integrationen av miljö och klimat i utvecklingssamarbetet*
8. *samordna och förstärka finansiering av gröna investeringar och företag.*



You are here: [Home](#)

## Top-level Research Initiative

### - a major Nordic venture for climate, energy and the environment

The Top-level Research Initiative (TRI) is the largest joint Nordic research and innovation initiative to date. The initiative aims to involve the very best agencies and institutions in the Nordic region, and promote research and innovation of the highest level, in order to make a Nordic contribution towards solving the global climate crisis.

The Top-level Research Initiative consists of six sub-programmes. Read more about these and the Top-level Research Initiative on these pages!



Effect studies and adaptation to climate change



Interaction between climate change and the cryosphere



Energy efficiency with nanotechnology



Integration of large-scale wind power



Sustainable bio-fuels



CO<sub>2</sub> - capture and storage

### SEARCH

[Advanced Search...](#)

### NEWS

[Projects funded within "Integration of Large-scale Wind Power"](#)  
May 19, 2010

[Seven applications for NCoE proceed to the next stage within "Effect studies and adaptation to climate change"](#)  
May 06, 2010

[Call for tenders on continuous evaluation of the Top-Level Research Initiative](#)  
Mar 04, 2010



# TFI: Cooperation between our best institutions and groups!

Today: 27 projects – 700 MNOK (90 MEUR)

- Etablering av 10 tematiska nätverk som samlar mer än 100 nordiska universitet, institution, myndigheter och företag, 6 helt nya Nordic Centers of Excellence inom klimatområdet som samlar cirka 100 partners från samtliga arktiska länder, samt genom att det har igångsatts 12 tematiska integrerande projekt där industri, akademi och myndighet samverkar
- Medverkan från industrin i delprogrammen kring vind, bioenergi och nanoteknologi ligger på mellan 25-50 %
- Exempel: I nanoprogrammet deltar 69 procent från industrin och 39 procent från forskningsinstitutioner. TFI investerar ca 50 MNOK i programmet som har en samlad volym på ca 120 MNOK.



- Forside
- Programmer og prosjekter**
- Søk støtte
- Forskningspolitik og samarbeid
- Om NordForsk

Du er her: [Forside](#) > [Programmer og prosjekter](#) > [programmer](#)  
> [eScience globaliseringsinitiativ](#)

## eScience globaliseringsinitiativ

Globaliseringsinitiativet innenfor eScience - også kalt eVitenskap - er et stort nordisk forsknings-og utdanningsinitiativ som skal fremme nordisk samarbeid om eVitenskap.

### eVitenskap og eInfrastruktur

**eVitenskap** (eScience) handler om utvikling av nye arbeidsformer og forskningsmetoder med basis i nødvendig elektronisk infrastruktur for å håndtere store mengder digitale data.

Avanserte verktøy innenfor informasjons-og kommunikasjonsteknologi (IKT) skal utvikles og brukes for å utnytte avansert forskning, teori og forsøk. eVitenskap handler også om globalt samarbeid innenfor sentrale vitenskapelige områder, og om den neste generasjonen av infrastruktur.

**eInfrastruktur** inkluderer:

- Høyhastighetsnett
- Tungregning og visualiseringssystemer
- Nasjonalt lagringsystem
- Verktøy for elektronisk tilgang og nødvendige støttetjenester
- Det inkluderer også GRID-teknologi - en teknologi under utvikling som muliggjør fleksibel, sikker og koordinert deling av elektroniske ressurser mellom forskere og forskningsgrupper.



### Kontaktperson

**Sverker Holmgren**  
Programdirektør for eScience globaliseringsinitiativ, Professor i beregningsvitenskap  
+47 902 39 938  
E-post

### Fakta om programmet

#### Finansieringsform

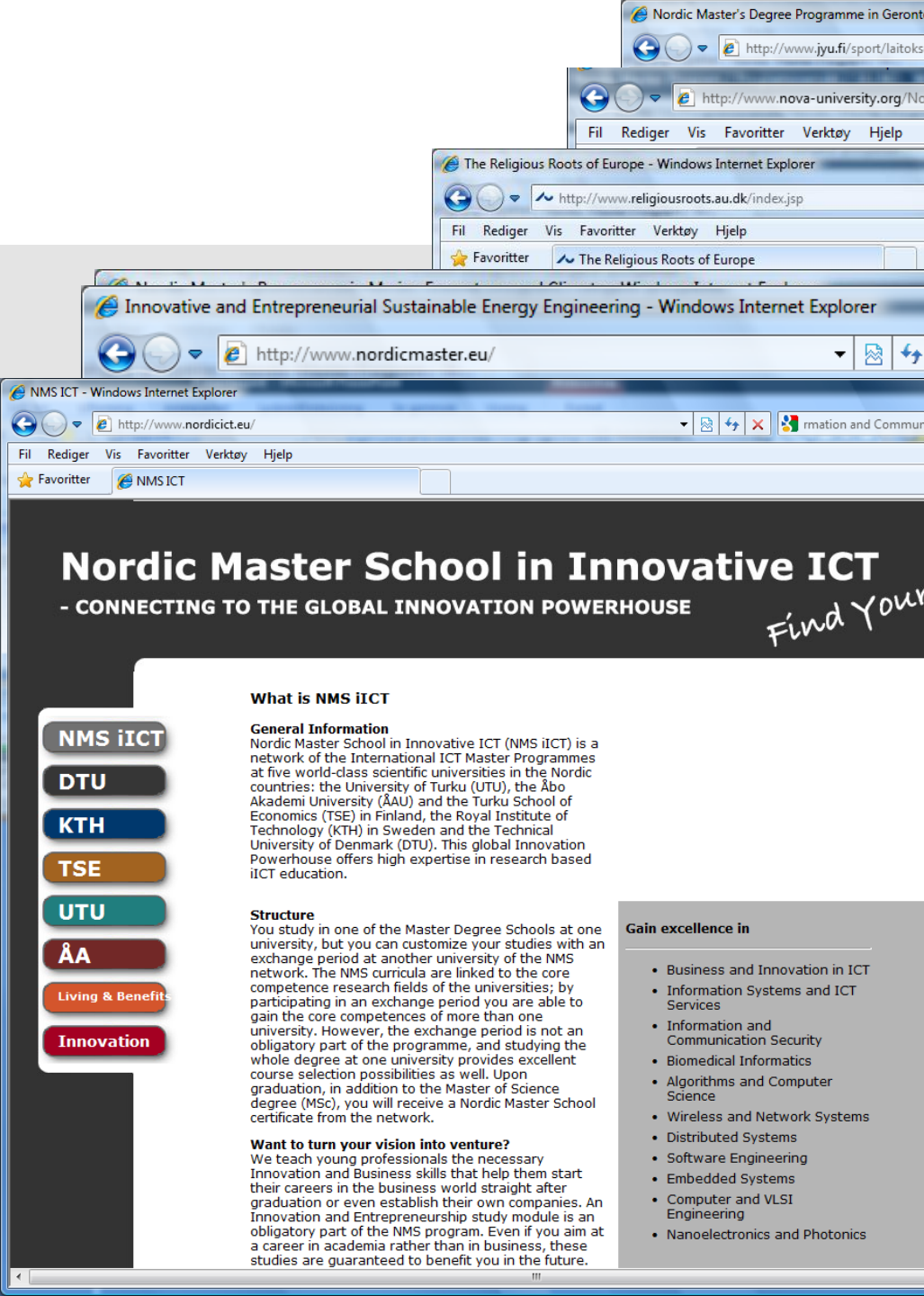
[Tematisk program](#)

#### Finansører

- [Nordisk ministerråd](#)
- [Norges forskningsråd](#)
- [Vitenskapsrådet](#)
- [Finlands Akademi](#)

#### Temaer

- [Helse, velferd og medisin](#)
- [Naturvitenskap, matematikk, teknologi](#)
- [Store satsinger](#)



Nordic Master in Gerontology

Nordic Master in Plant Pathology

Nordic Master in the Religious  
Roots of Europe

Nordic Master in Marine  
Ecosystems and Climate

Nordic Master in Innovative  
Sustainable Energy Engineering

Nordic Master in Innovative  
Information and Communication  
Technologies

2011 – sammanlagt 16 program

2012 – ny utlysning

[www.siu.no](http://www.siu.no)

# On the political agenda November 2011

# Nordic Council of Ministers in Education and Research - November 2, 2011



- Thematic discussion on Nordic welfare modell
- Overview of nordic research collaboration
- Next generation Nordplus



# September 28th - new MoU with Russia





[Home](#)

[About Nordplus](#)

[Who can apply?](#)

[How to apply?](#)

[Project examples](#)

[Find a partner](#)

JUNIOR

HIGHER EDUCATION

ADULT

HORIZONTAL

LANGUAGES & CUI

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

- Nordplus Junior
- Nordplus Higher Education
- Nordplus Adult
- Nordplus Horizontal
- Nordplus Nordic Languages and Culture

 [Read more...](#)

# New programme from 2012!

## Nordic & Baltic countries



## Project examples



### All granted Nordplus projects

Here you can find lists of all granted Nordplus-projects from the past years. In addition, you can read m...

 [Read more...](#)



 [More projects...](#)

## Nordplus Framework general news

10.01.11

### The Nordplus application round 2011 is open

Nordplus now welcomes new applications with deadline 1 March 2011.

 [Read more...](#)

17.12.10

### Calls for applications and priorities for 2011

The 2011 application round will open January 10, but calls for applications and updated handbook are already available.


 [Read more...](#)

 [News archive...](#)

## Dates and events

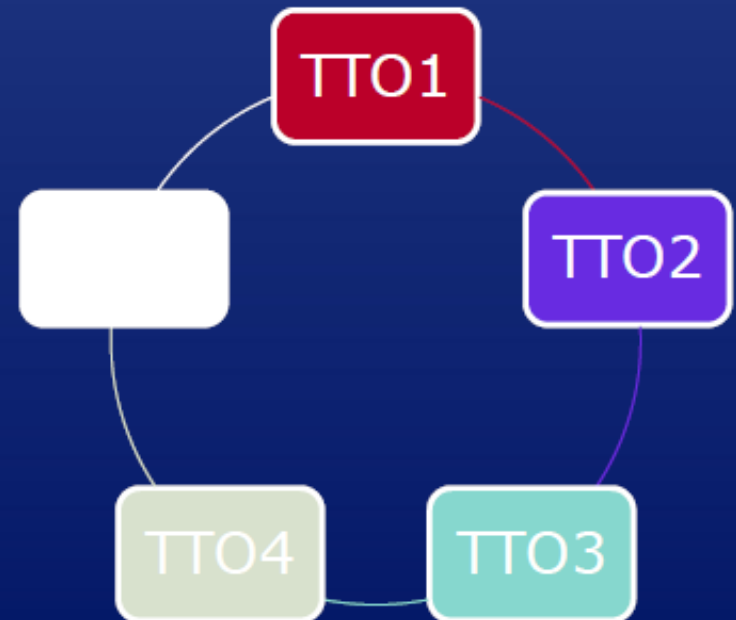
Application deadline for Nordplus Framework  
**01 March 2011**



 [More events...](#)

# Networks on education, research and innovation – and health

## Network of Technical Transfer Offices in Health



# ***Cooperation between Nordic Council of Ministers and Nordic Center Fudan (Shanghai)***



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*- SINO-Nordic networks within research, education and innovation*

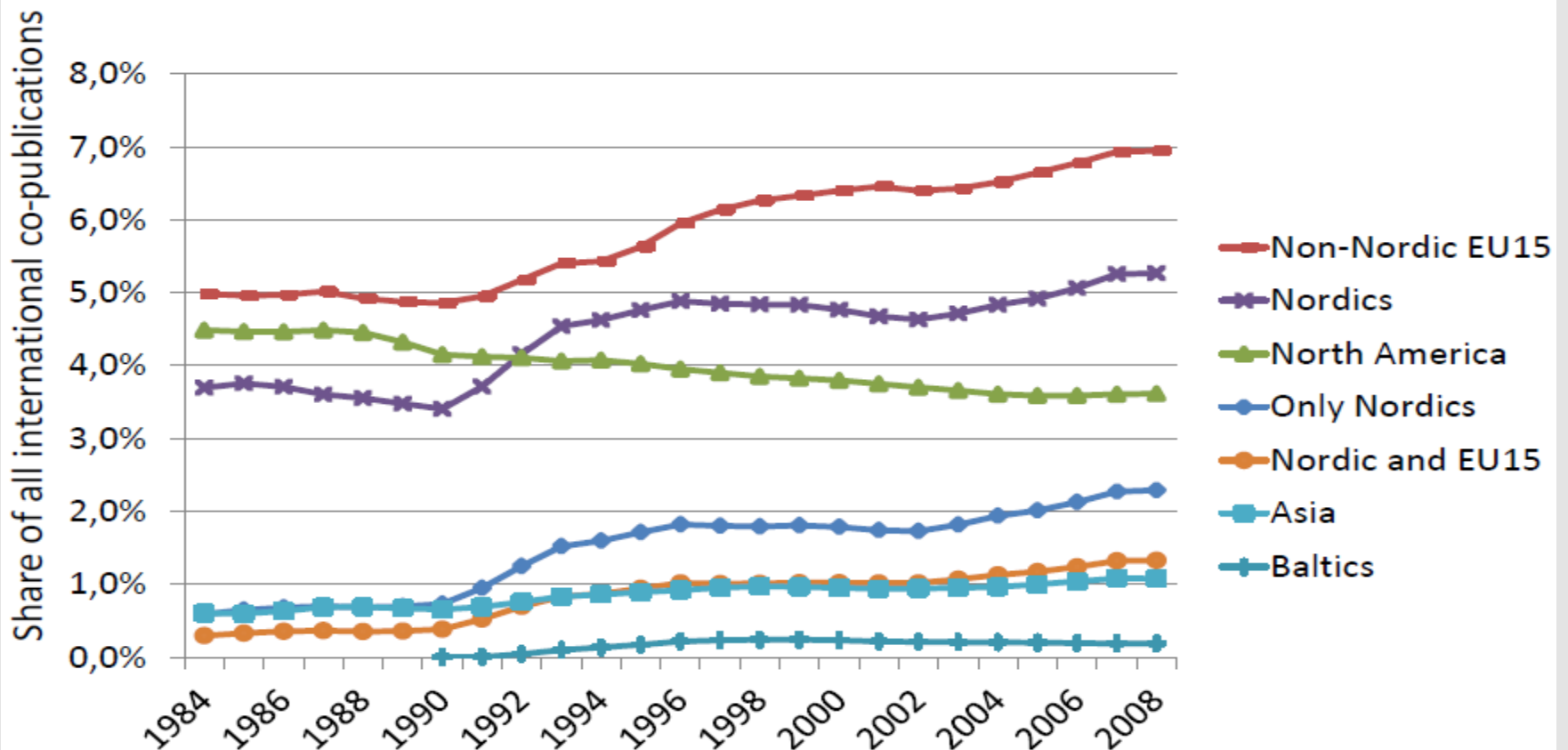


## A few words about Nordic-Baltic:

- *research collaboration*
- *politics*
- *eScience/eInfrastructure*

# NB Co-publications

## Inter-regional Cooperation for Nordic countries

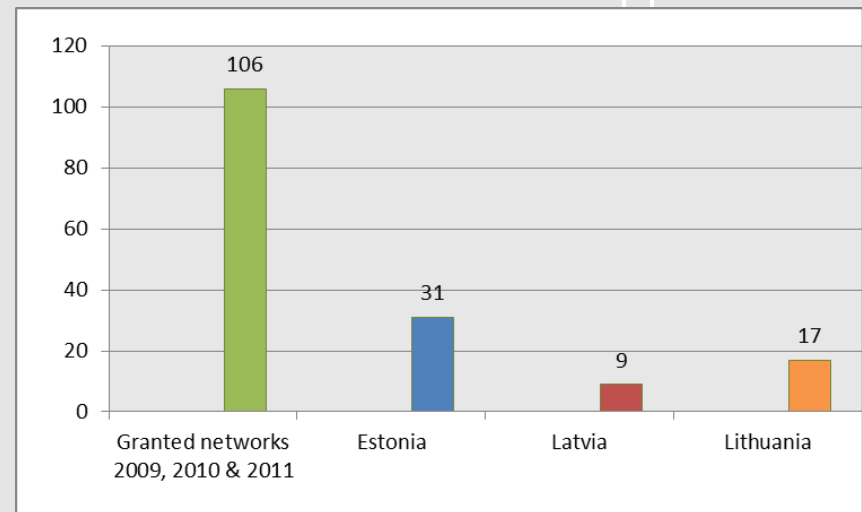


# NB Cooperation within NordForsk

## Joint programmes

- 'A Nordic-Baltic Research and Innovation Programme on Living Labs' (2,2 MEUR)
- The Citizens' Services research and innovation programme (1 MEUR)

## Networks





Adopted by the Ministers for Nordic Cooperation,  
13 November 2008



**Guidelines for the Nordic Council of Ministers' co-operation with  
Estonia, Latvia and Lithuania 2009–2013**

NCM has a special interest in developing certain key areas, especially the following themes:

- Education, research and innovation
- Business, cluster networks and creative industries
- The environment, climate and energy (including environmental conditions in the Baltic Sea and the promotion of effective environmental technologies and sustainable sources of energy, where

## BRIEF



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[www.norden.org](http://www.norden.org)

15 May 2009

08-00425-16

To
NB Ad hoc working group on research
Copy
From
NMRS, Fredrik Melander
Subject
Report from the NB ad hoc working group on research

*Joint agreement on research  
collaboration*

### Introduction

#### *Background*

The Nordic-Baltic research cooperation has over the last years developed in a positive and constructive way.

The ambitions from all parts are now to further develop and enlarge the cooperation and build upon the experiences being made so far.

At their joint meeting in Oslo on October 30<sup>th</sup> 2007 the ministers of education

# Financial mechanisms

*Fundamentally, the Nordic-Baltic co-operation is a partnership on an equal footing, and each party covers its own costs. In special cases, the parties may collectively agree a different method of meeting costs, e.g. joint mobility schemes funded according to relative GDP*

Du er her: Forside > Nordisk Ministerråd > Ministerråd > Nordisk Ministerråd for Uddannelse og Forskning (MR-U) > Deklarationer og erklæringer > Agreed minutes from the joint meeting of the Nordic and Baltic ministers of education and research

Deklarationer og erklæringer

Agreed minutes from the joint meeting of the Nordic and Baltic ministers of education and research

# Nordisk Ministerråd

Tip en ven

Indholdet er ikke tilgængeligt på dit valgte sprog. Vi viser det istedet på Engelsk

## Agreed minutes from the joint meeting of the Nordic and Baltic ministers of education and research

The Ministers of Education and Research of the Nordic states (Denmark, Finland, Iceland, Norway and Sweden and the Baltic states (Estonia, Latvia and Lithuania) met in Copenhagen on 8 November 2010 to discuss present and future co-operation in the fields of education and research.

Vedtaget

Dato: 08/11 2010

### Nyheder

15/04 2011  
Sustainable Development up-close: De nordiske lande på FN-møde i maj

14/04 2011  
PISA hæmmer nytænkning i uddannelsessystemet

07/04 2011  
Kan bæredygtighed betale sig?

Mere...

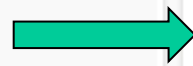
### Kalender

Seminar: Drøm og virkelighed. Sprogforskningsdag 2011  
Dato: 18/05 2011

report" and noted its recommendations. A note on the issue will be sent to the foreign ministers responsible for the report.

6. The Ministers agree that the actions 2011 – 2013 should include the following main points:

- ▶ Continue developing the Nordplus Framework Programme in 2011 and the new programme from 2012 and onwards.
- ▶ Utilising the agreement on research cooperation.
- ▶ Explore the possibilities for Nordic-Baltic co-operation in the area of eInfrastructure and eScience, where the core proposal is the development of the Knowledge Infrastructure for the 5th freedom in the Baltic Sea Area.
- ▶ To continue to develop the cooperation within the framework of the EU strategy for the Baltic Sea Area.
- ▶ Continue organising a joint annual meetings from 2011 where the NCM Committee of Senior Officials for Education and Research meets with equivalent Baltic Senior Officials in order to monitor and develop the Nordic-Baltic co-operation.



7. The ministers agree to call for a next joint meeting of the Nordic and Baltic ministers for Education and Research in 2013.

 Synes godt om

 Vær den første af vennerne, der synes godt om dette.

 Tweet

# NB Senior Official Meeting, 8 December 2011

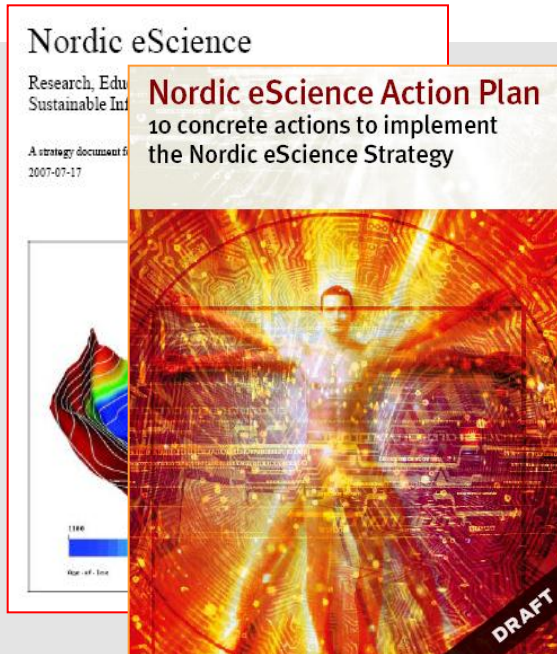


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Nordisk Ministerråd

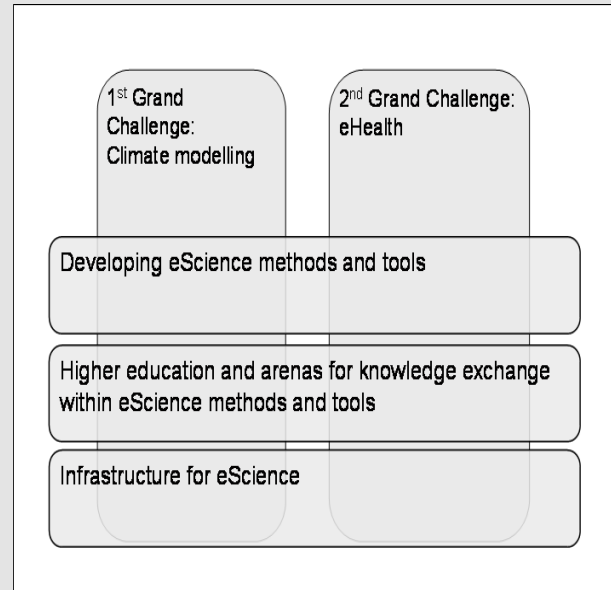
<b>Agenda Committee of Senior Officials for Education and Research, Nordic Baltic (EK-U NB)</b>		
1/11	14.15-14.25	Approval of the agenda
2/11		Follow-up of the Agreed Minutes
3/11	14.25-14.55	Information from current cases/priorities from Estonia, Latvia and Lithuania and the collaborate under the Nordic Council of Ministers for Education and Research (MR-U)
4/11	14.25-14.55	Nordplus (presentasjon fra SIU)
	14.55-15.10	Coffee
5/11	15.10-15.40	Research collaboration (presentasjon fra NordForsk)
6/11	15.40-16.10	Baltic Ring project. (evt. presentasjon fra NordUnet)
7/11	16.10	AOB

# Three steps initiative up to now



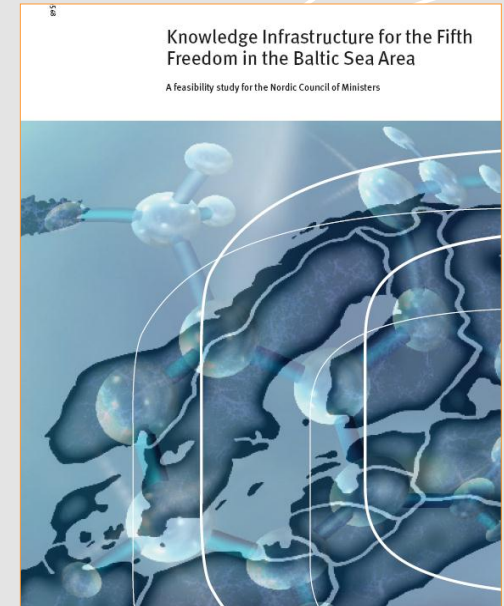
Nordic eScience strategy and action plan

2007 - 2009



Proposal for eScience as a globalization initiative

2010 -



A baltic sea knowledge infrastructure for the fifth freedom

2010 ----?



# Summary: background and process

- Discussions since 2006 about Baltic Ring, collaboration on Nordunet 3 since 2007.
- Secretary general launch "Knowledge for the 5th freedom in the Baltic Sea Area" concept on BDF Summit 2008.
- 2008-2009 NCM conducts a feasibility study on "Knowledge infrastructure for the Fifth Freedom in the Baltic Sea Area."

## Recommendations:

(1) Establish a fiber ring network through the countries around the Baltic Sea.

(2) Establish a joint coordinator (light weight)


- 2009-2010 "Consultation on feasibility study"
- 2010-2011 "Technical follow-up study on Baltic Ring"
- November 2010. NMR-U - supported by the ministers from Estonia, Latvia and Lithuania - agrees to invite Russia, Estonia, Latvia, Lithuania, Poland, Germany to a meeting on Senior official or expert level to discuss *if* and *how* to make the realize the initiative, starting with the Baltic Ring.

# Baltic Ring – state of play

International meeting May 6th

Follow-up and next step – nov 2011

**BRIEF**



Nordic Council of Ministers

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**Background Note**

**International Meeting with Funding Seminar**

**"Infrastructure for Free Movement of Knowledge in the Baltic Sea Area"**


22 February 2011  
11-00183-7

5-6 May 2011

Hilton Copenhagen Airport Hotel  
Ellehammersvej 20, Copenhagen, Denmark

The issue concerned is a process to provide a knowledge infrastructure for free movement of knowledge in the Baltic Sea area. The purpose of this project is to establish an infrastructure that enables free movement of knowledge through high capacity networks and development of eScience.

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TO  
THE MINISTERS FOR EDUCATION AND RESEARCH IN  
ESTONIA, GERMANY, LATVIA, LITHUANIA, POLAND AND RUSSIA

COPY TO  
- THE NORDIC COUNCIL OF MINISTERS FOR EDUCATION AND RESEARCH  
- THE NORDIC COOPERATION MINISTERS  
- THE FOREIGN MINISTERS IN DENMARK, ESTONIA, FINLAND, GERMANY, ICELAND, LATVIA, LITHUANIA, NORWAY, POLAND, SWEDEN AND RUSSIA  
- NORDFORSK  
- THE NORDIC RESEARCH BOARD  
- NORDUNET AS  
- THE NORDIC ESCIENCE INITIATIVE

**The Baltic Ring: Next Steps**

Dear Minister,

I write to you to inform about the initiative for the Baltic Ring and to ask you to help by ensuring that your Ministry appoints a representative to participate in the consortia that will work on the establishment of the Baltic Ring.

The Nordic Council of Ministers (Education and Research) with support from the Baltic Ministers for Education and Research, organized on 6 May 2011 an international meeting with representatives from the responsible ministries in all the countries around the Baltic Sea area. The theme was how to carry forward the process with the aim of establishing a joint knowledge infrastructure for the Free Movement of Knowledge in the Baltic Sea area.