

Knowledge and Innovation for Growth

Perspectives for Baltic Sea Collaboration

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Nordic Council of Ministers

Overview



- Nordic Council of Ministers NCM
- Shifts and challenges
- Priorities NCM
- Closer Nordic Baltic co-operation
 - Areas for co-operation
 - NordPlus
 - Nordunet3
 - NeDAP
 - Investment in Research and Innovation, best practices
- Summing up



Nordic Council of Ministers

- for governments
- -1971

Nordic Council

- for parliamentarians
- 1952



- Different ministerial councils for different subjects
- Rotating chairmanship
- Prime Ministers and Ministers for Nordic Corporation
- 30 institutions
- Secretariat based in Copenhagen



Yearly budget of approximately € 120 million.

- Education and science (25%)
- Culture
- Environment
- Health
- Children



Offices in St. Petersburg, Tallinn, Riga and Vilnius.

Information points in Murmansk, Archangelsk and Petrozavodsk

Nordic Council of Ministers – Education and Research

NCM Secretariat

Departement for education, research and labour market

Comittee of Senior Officials – education and

research

NordForsk

Institutions and collaborating bodies

NordVulk Nordita NIAS

NSI

NIS m.fl.

Nordic school co-operation (NSS)

NordPlus programmes

Life long learning
Adult education
(SVI)

NCM-Labour Market

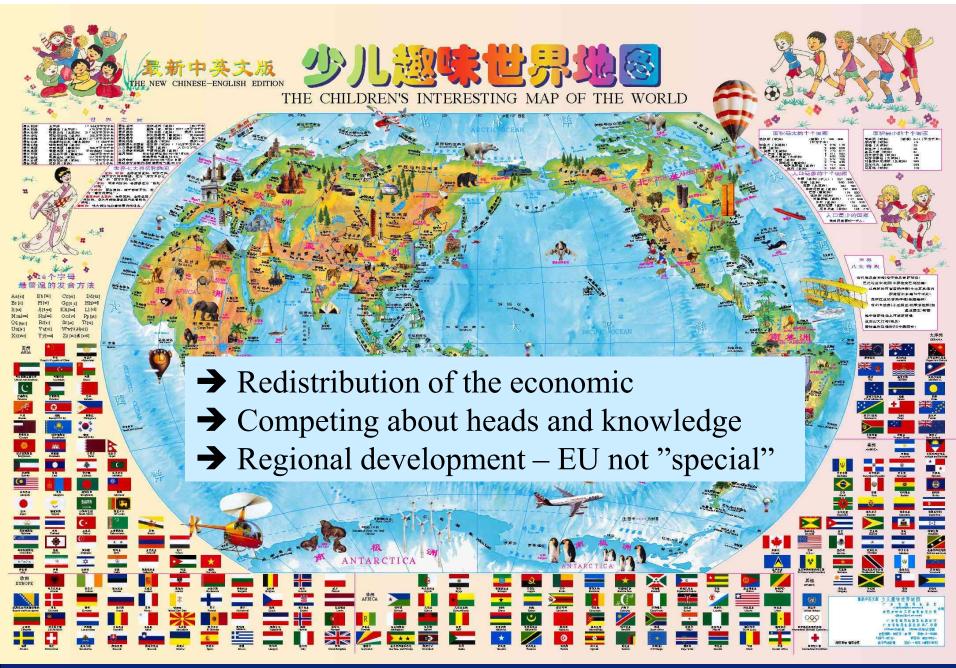
Higher education (HÖGUT)

Norden Language council

Major knowledge shifts



- National level
 - National efforts increasingly a part of international efforts
- Nordic level
 - Change from internal to external
 - From projects to Northern Research and Innovation Area - NORIA
- European level
 - From programs to ERA
- Global level
 - 70% of industrial research in Hungary and Ireland comes from foreign companies – and in Sweden 40 %
 - In a few years China will bypass EU in research efforts





What Russia's winter reveals

Cheney's potshot

Europe's buy-out boom

Google's bubble pricked

Nordisk Ministerråd

HOW TO MANAGE

WORKFORCE



Quick "SWOT"



A dynamic region for knowledge and growth....?

Strengths

- Good knowledge systems
- Will to cooperate
- Markets in growth

Opportuniites

- Globalisation
- Knowledge, innovation and technologies
- Regional development

Weaknesses

- Size, lack of critical mass
- Common priorities?
- Lack of regional integration

Treaths

- Aging workforce
- Increased global competition
- Go alone

Priorities – NCM Knowledge and innovation for growth



- Research and Innovation
 - Northern Research and Innovation Area
 - Nordforsk and NICe
- Quality in education
 - NordPlus programmes
 - Nordic Masters
 - Fostering talents
 - Follow up the PISA-survey
- Interplay research, eduaction and innovation
- IT flagship a few

Priorities - NCM

Knowledge and innovation for

growth Studies:



 Research and Innovation Opening national research programmes in Norden?

 Quality in education

- Next generation PISA
- Comparative study teachers education

Interplay research, eduaction and innovation

Comparative study – what works?

IT flagship - a few

 Comparative studies, benchmarking

Closer Nordic – Baltic co-operation



- Education
 - Case NordPlus
- Research
 - Case NORDUNET3
- IT
 - Case Northern eDimension Action
 Plan
- Invest in Research and Innovation

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Closer Nordic – Baltic co-operation



Our Perspective

- A Baltic See region as a major European region of growth and creativity

The relevance....



The Lisbon Strategy, the partnership between the EU and Member States for growth and more and better jobs

SPECIFIC AREAS FOR PRIORITY ACTION

The European Council agrees on the following specific areas for priority action to be implemented by the end of 2007 in the context of the renewed Partnership for growth and employment.

- 1. Investing more in knowledge and innovation
- 2. Freeing up SME's and unlocking business potential
- 3. Getting people into work
- 4. Efficient, secure and sustainable energy

The principle of "think small first" must be applied systematically and become a guiding principle for all relevant legislation at Community and national levels.



NordPlus

4 programmes for collaboration on education in schools, higher education, adult learning and nordic languages

Yearly budget about 10 mill EURO

Tentative thinking – before decisisons

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Higher education (HÖGUT)

Norden Language council

NordPlus programmes

Governance - structure



NCM structure and activity		Baltic country activity	NB8
NCM-U	Decide	Advice	Agreements, meets Committee
CSO-U	Program & structure	Program & structure	
Advisory	Advice/decide	Advice	Joint meeting One time a year
Committees	Yearly mandate	Yearly mandate	
Programme Commitees	Decide Call & projects	Decide Call & projects	Participate on Equal footing



Nordunet3

A Nordic eScience effort Programme running for 4 years Budget: appr. 4 mill Euro

Tentative thinking before final decisions

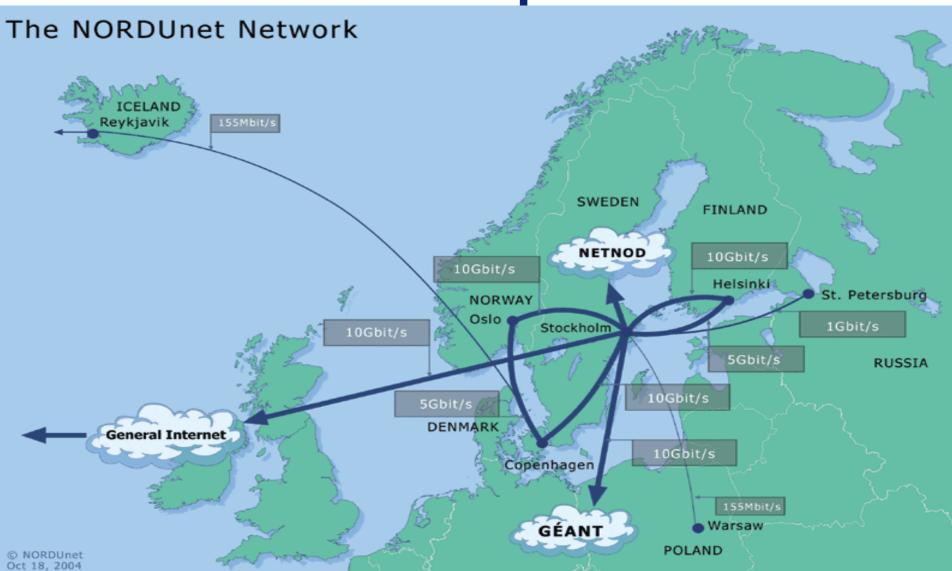
Background



- 1. 1985 91 Nordunet (1) programme: Building of a joint data communications network for research and education
- 2. 1993 NORDUnet A/S Company: Operational joint Nordic Stock Company, owned by the 5 Nordic Government according to a GDP share
- 3. 1999-2001 Nordunet2 programme: Research within Distance education, Tele Medicine, Digital libraries, Infraservices (protocols, security)
- 4. 2003 Nordunet3 policy document: "A Nordic eScience Area", by IT-policy Group
- 5. 2003 Nordunet3 research proposal: By Joint Committee of the Nordic Natural Science Research Councils, NOS-N
- 6. 2004 Nordunet3 funded by NCM and NOS-N: 1 M€ pr year for 4 years => NCoE in 2009?
- 7. 2005 Nordunet3 Memorandum: Network security; Internet and communication services
- 8. 2005 NeDAP AL 1 Proposal: 10% in reserve dedicated cooperation with Baltic/Russian +?

IT infrastructure and the research on top of it

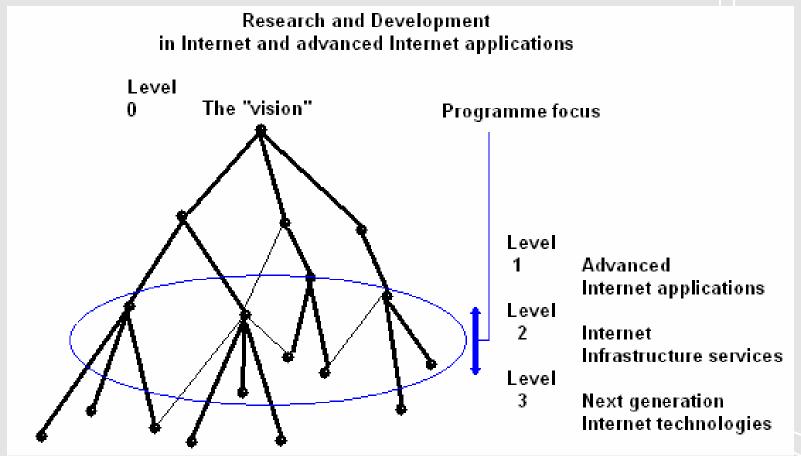




Nordunet3 – Policy Rational



Vision: Strong Nordic Niche within Internet Supported R&D (eScience) – Supporting Knowledge-Society



Nordunet3 – R&D Substance



Network security	Internet communication services
 Safety Privacy Anonymity, anonymous data access Authorization and Authentication Trust Identity management Inter-organization and international resource sharing. Encryption Digital signatures Legal issues Scalable security architectures Security in very-high-speed networks Security of networked computing and storage platforms Security aspects of roaming and mobile network use Wireless Security 	 Grid Computing Peer-to-peer Networking Quality of Service End-to-end Network Services and End-to-end Resource Management Network Monitoring, Measurement, and Profiling Performance of Internet Protocols IPv6 Network Usability Support for very high data rates and large amounts of data Mobile Internet Networks for Pervasive Computing



Northern eDimension Action Plan

A joint action plan on IT – partnership CBSS – Norden Under the umbrella og the Northern Dimesion action plan

- Nordunet3
- Statistics and benchmarking
- Analyse if and how the choice of Nordic Flagship(s) also can give effect in relation to NeDAP





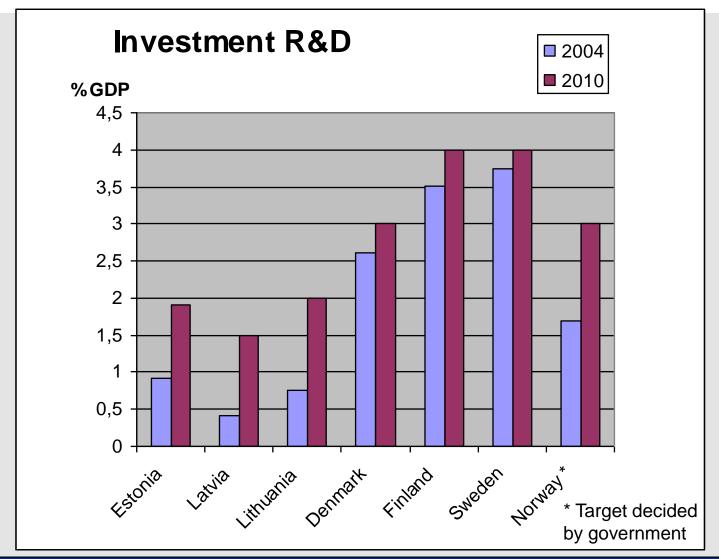


"Investing in Research and Innovation – Exchanging European Experiences in a Nordic Context"

- co-organised with the European Commission
- will take place in Copenhagen 16 18 October 2006
 - •a key event for the Norwegian Presidency of the Nordic Council of Ministers

R&D expenditure (2004) as % of GDP and targets set by Nordic and Baltic States in National Reform Programmes





Main themes for the conference:



- Strategical aspects of integrating the European Research and Innovation Area
- Human potential Researchers' careers and mobility
- Innovation, investments and commercialising
- Research and Innovation for regional growth bringing regions faster into the knowledge economy

- Pre conference workshops
 - 16.10: Opening up Nordic national research programmes

- 17.10: The Baltic Sea initiative 2010

Main **aims** of the conference The conference should:



- stimulate territorial entities (sub-national entities but also cross-border regions) countries and regions to participate in building the European Research and Innovation Area
- exchange experiences and best practices on the role of territorial entities and their contribution to the European Research and Innovation Area
- mobilise actors to prepare for the 7th Community RTD and the Competitiveness and Innovation Framework programmes.





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