



# Nordic Energy Research and our work regarding Bioenergy

Tallinn

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- General about Nordic Energy Research
- Bioenergy Related Projects:
  - Bioenergy Promotion
  - Top-level Research Initiative
  - Bioenergy Projects in our portfolio
  - Nordic Energy Solutions
  - Sustainable Transportation

# What we do

- Promote energy research and innovation
- Foster competitiveness, cooperation and knowledge creation



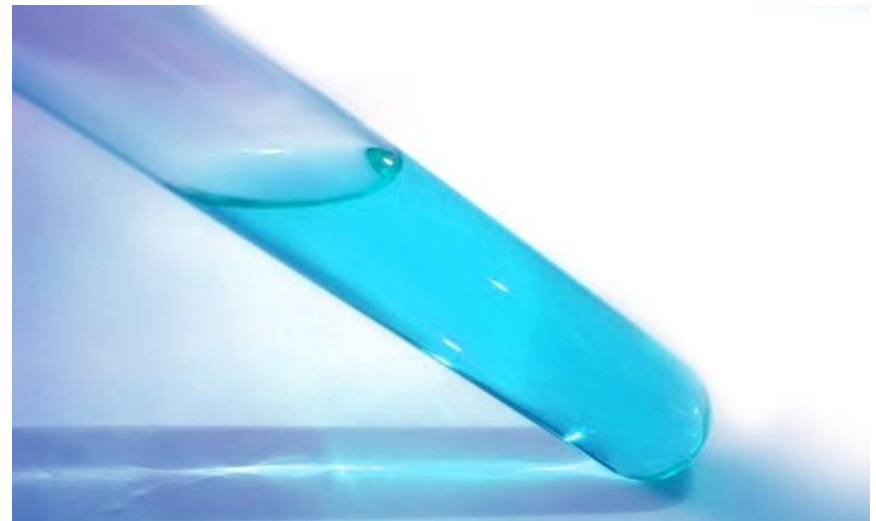
# Where we do it

- Research areas:
  - Renewable energy
  - Energy efficiency
  - The hydrogen economy
  - Energy market integration
  - Impact of climate change on the energy sector

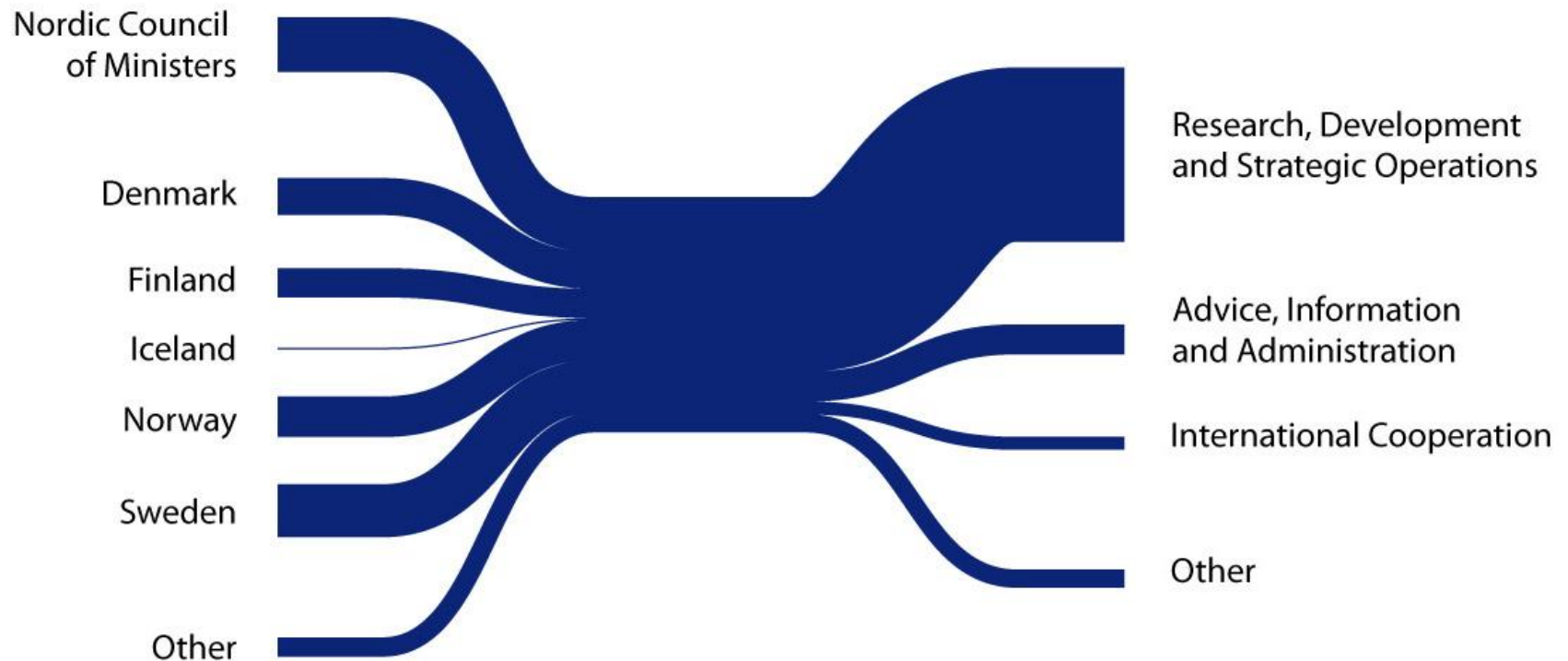


# How we do it

- Research funding and coordination
  - 16 research projects
  - 7 policy projects
- Administrative support
  - EU ERA-NET
  - Working groups
- Network building and advice



# Our Funding (2008)





- Nordic Energy Research is part of the project called Bioenergy Promotion
- The project is partly financed by the European Union and has 34 partners from 10 countries around the Baltic Sea



Bioenergy Promotion



# Objectives of the project

- The project aims at strengthening the development towards a sustainable, competitive and territorially integrated Baltic Sea Region in the field of sustainable use of bio-energy
- The project will serve as the major BSR wide platform for cross-sectoral and transnational networking in the field





# Facts and figures

- Lead partner: Swedish Energy Agency
- Over 30 partners from 10 countries
- 3 years project
- Part of the Baltic Sea Region 2007-2013 programme
- Total budget 5,0 M €

Baltic Sea Region - Programme area 2007 - 2013



■ EU regions/member states  
■ non-EU member states



# Integrated website and database



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Nordic Energy Research

- One of the tasks in the project is building an integrated website and database
- The website where you, among many other things, can reach the bioenergy database was recently launched.
- The database, that consists of persons, organizations and project cases, can be search trough a register and browsed through an interactive map.



# Apply to the register today



- The register is easy to apply to
- If you are working in the field of bioenergy in the BSR you should be in this register.



Bioenergy Promotion

A new international project promoting the development of a sustainable bioenergy sector in the Baltic Sea Region.

Visit us online to see what we're up to, learn about sustainable bioenergy in the Baltic Sea Region and sign up to the Bioenergy Register (see reverse).

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





The Bioenergy Register is an innovative new database of bioenergy organisations, people and project cases in the Baltic Sea Region. Find the information you need by searching or browsing the map and sign yourself up to make sure you are found too.

Belarus Denmark Estonia Finland Germany Latvia Lithuania Norway Poland Sweden

Show map of the entire region

Complete list of map content close

- Partners
- Organisations
  - Baltic Eco-Energy Cluster (BEEC)
  - Chamber of Agriculture Lower Saxony
  - Environmental Centre for Administration and Technology (ECAT)
  - Fachagentur Nachhaltige Rohstoffe e.V. (FNR)
  - Federal Ministry for the Environment, Nature Conservation and Nuclear Safety
  - Forestry Development Centre Tapio
  - Foundation Private Forest Centre
  - Industry and Trade Chamber
- People
- Cases

Partners  Organisations  People  Cases

- The Top Level Research Initiative aims to strengthen the Nordic research and innovation area in the field of energy and climate.
- The initiative was conceived by the Nordic Prime Ministers at the Nordic summit in June 2007 in Punkajarju, Finland.

# Six sub-programmes

1. Effect studies and adaption to climate change
2. Interaction between climate change and the cryosphere
3. Energy efficiency with nanotechnology
4. Integration of large-scale wind power
5. Sustainable bio-fuels
6. CO<sub>2</sub> – capture and storage



- Nordic Energy Research holds the secretaryship for the sub-programme Sustainable Biofuels
- The first call opened the 15<sup>th</sup> of October 2009 and is open until the 15<sup>th</sup> of December 2009
- Only Nordic research projects with strong user involvement in the knowledge creation and diffusion throughout the project cycle will be funded in this call.



- New, innovative pre-treatment of Nordic wood for cost-effective fuel-ethanol production
  - The main objective of this project is to develop new pre-treatment techniques that will reduce the overall production costs for fuel-ethanol from Nordic lignocellulosic biomass.
- Nordic Graduate School in Biofuel Science and Technology – 2
  - The goal of this Graduate School, BiofuelsGS-2, is to continue to raise the esteem and quality of the doctoral training within the Nordic universities in the area of biomass and waste conversion to fuels, heat and power.

- NordicEnergySolutions.org is a website presenting some of the most interesting solutions to our energy and climate issues from Denmark, Finland, Iceland, Norway and Sweden.
- The site covers energy solutions broadly but bioenergy have an important part in the website



# Sections

- The site is divided into three interlinked sections:
  - technological projects,
  - public policy and performance
  - research and innovation.
- Browse, read and be inspired.
- [www.nordicenergysolutions.org](http://www.nordicenergysolutions.org)



- The Icelandic Chairmanship in the Nordic Council of Ministers in 2009 aims to focus on sustainable transport solutions for the Nordic region.
- The project “Sustainable Transportation: the Nordic region charts the way” is the Icelandic Chairmanship Programme on Transport. The project leader is Helga Bardadottir from the Icelandic Ministry of Industry; the operative work is lead by Amund Vik at Nordic Energy Research.

- **Foresight Analysis:** Nordic Strategies for Renewable Energy in Transportation
- **Brochure:** Transport Transformed – Sustainable Transport Solutions From the Nordic Region
- **Whitepaper:** Spatial Planning and its contribution to climate friendly and sustainable transport solutions
- **Whitepaper:** Sustainable transportation in Sparsely Populated Areas
- **Conference:** Driving Sustainability



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Nordic Council of Ministers

# Transport Transformed

SUSTAINABLE TRANSPORT SOLUTIONS FROM  
THE NORDIC REGION







# Thank you

Emma Petersson, Nordic Energy Research

[www.nordicenergy.net](http://www.nordicenergy.net)

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