



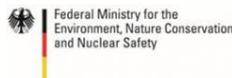
Newsletter 4/2011
The Baltic Sea Region Bioenergy
Promotion project

The Baltic Sea Region Bioenergy Promotion project 2009 - 2012. Promotion for sustainably produced bioenergy as a growing business in the Baltic Sea Region.

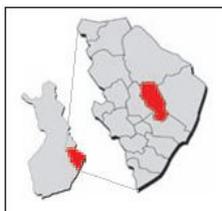
Bioenergy in strong tailwind in Sweden
Sweden is a major player on bioenergy markets both as producer and user of bioenergy. Nationally the primary drivers have been taxes on fossil fuels and greenhouse gas emissions making sustainable bioenergy economically competitive. The significance and international trade of recovered biofuels from waste and residues are increasing.
Read more [here](#) ->



Shift in German energy supply
Germany is facing a fundamental shift in its energy supply: After the disaster in Fukushima the Parliament decided that by 2020 at the latest the last German nuclear power plant will be closed down while at the same time the ambitious climate change targets for Germany will not be changed.
Read more [here](#) ->



Regional Policy Showcases – Eno, Finland
In each newsletter in 2011 one of the regional policy showcases (good practices) which were elaborated in task 3.4 Good practice policy showcases is presented - to demonstrate how bioenergy may be promoted on the sub-regional level primarily taking into account sustainability criteria (Greenhouse gas (GHG) emissions, Energy efficiency, Land use, Local prosperity, Social aspects) for bioenergy production and use.
Read more [here](#) ->



Task 4.5 – Pilot Projects
Task 4.5 is about the development of pilot projects within the subregions. All involved partners were asked to identify possible pilot projects which could serve as good practice for other regions. Normally these are highly innovative technologies or concepts of high implementation, which offer a good acceptance and/or experience of few years.
Read more [here](#) ->



2nd announcement: the last Bioenergy Promotion event: 22nd of November, Poznań, Poland

Read more [here](#)

3rd announcement: Bioenergy Promotion conference

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Biobrokers.eu - new marketing and networking platform

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Part-financed by the European Union (European Regional Development Fund and European Neighbourhood and Partnership Instrument)





Task 4.5 – Prefeasibility studies

An optional subtask of 4.5 was the elaboration of so called prefeasibility studies. The topic could be around one of the less implemented pilot projects or another project within the subregions. These studies were provided by Norway, Sweden, Latvia, Poland and Germany.

Read more [here](#) ->

www.bioenergypromotion.net
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Bioenergy in strong tailwind in Sweden

Sweden is a major player on bioenergy markets both as producer and user of bioenergy. Nationally the primary drivers have been taxes on fossil fuels and greenhouse gas emissions making sustainable bioenergy economically competitive. The significance and international trade of recovered biofuels from waste and residues are increasing.

On the international scene the legally binding quotas for renewable energy in all EU Member States create opportunities for export of biofuels from Sweden.

“On the European scale the demand probably will exceed the production. This makes it even more important to utilize all bio waste efficiently, not least bio wastes suitable for bio gas production and also to work further on the development of fair long distance trade in sustainable biofuels, both solid and for transport”, says **Mr. Daniel Johansson**, State Secretary in Sweden.



State Secretary Daniel Johansson

According to State Secretary Johansson the EU Emissions Trading Scheme is making fossil fuels less attractive, which improves the competitiveness of bioenergy in the Baltic Sea Region. However, costs are decisive in bio energy production.

The Baltic countries active in sustainable forestry

Green products and services can contribute to economic recovery and strengthen the regions competitiveness, prosperity and create sustainable growth. In this context, renewables, such as bioenergy play an important role.

“The countries in the Baltic Sea Region are leading in active sustainable forestry and also in the use of bioenergy. The region offers the potential of energy efficient ship transports. The already existing market for biofuels in the region will increase to the benefit of all parties” says State Secretary Johansson.

He finds the future of bioenergy promising in the Baltic Sea Region. “We have built a solid base of knowledge and positive attitude which will form the basis for future development of bioenergy in the region.”

Text: Sirpa Mustonen, Motiva Oy

Photo: Johan Ödmann



Shift in German energy supply

Germany is facing a fundamental shift in its energy supply: After the disaster in Fukushima the Parliament decided that by 2020 at the latest the last German nuclear power plant will be closed down while at the same time the ambitious climate change targets for Germany will not be changed.

To allow this shift in German energy supply while fulfilling its international obligations framework conditions for technological innovations to increase the share of renewable energy sources as well as to increase energy and resource efficiency are necessary. Current scenarios show that in just ten years, renewables can cover 40 percent of Germany's electricity supply. An increase of 12 terawatt hours (TWh) per year is considered realistic. (1 terawatt hour = 1 billion kWh).



Bioenergy is an important element in Germany's energy concept. Due to its status as a leading industrial country within Europe the German shift in energy supply will also positively affect other European countries, including those in the Baltic Sea region.

The German Ministry for Environment, Nature Protection and Nuclear Safety is involved as partner in the Bioenergy Promotion project. [Read the interview](#) with some of the most important questions regarding the importance of biomass in Germany are raised and answered.



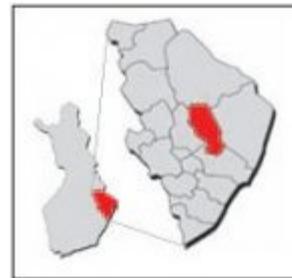
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Regional Policy Showcases – Eno, Finland

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Taking into Consideration Local Prosperity - Learn from: Eno, Finland

Eno is located in the province of Eastern Finland. This borough of Joensuu was chosen as a showcase for Bioenergy Promotion because of its district heating scheme, a success story of developing small and medium scale wood-fuel supply chains.



Eno, one borough of Joensuu, Finland (1)

In 1997 the municipal council of Eno included a paragraph about energy wood utilisation in its natural resource strategy. That decision has since been put into practice and has led to the establishment of three heating plants based on wood chips, supplied by the Eno Energy Cooperative (members are 52 private forest owners). Local prosperity such as rural development, job creation, energy independency and additional income generation was part of every strategy and program adopted (North Karelian Forest Strategy 1998 – 2010, North Karelian Forest Programme 2001 – 2005, North Karelian Regional Programme POKAT 2006, etc.). Savings in fossil fuels expenditure had been utilized for other developmental purposes. Also locals got benefitted by saving oil for home heating purpose. 30% of the woody material for the heating plants originates from members of the cooperative and most of them carry out the harvesting operations themselves.

Effects of this heating scheme for local prosperity are positive:

- Heat produced from wood energy (60 €/MWh) is remarkably cheaper for consumers compared to oil (90 €/MWh, April 2011),
- Switching to local energy sources has created jobs: totally 7–10 man years,
- About 2 million Euros (in 2011) were saved by the local economy,
- A local energy source brings safety and independence in times of a possible energy crisis.



Yläkylä district Heating plant, Eno (2)

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Pictures:

- 1) http://www.canbio.ca/documents/case_studies/finland_eno.pdf, modified
- 2) http://www.canbio.ca/documents/case_studies/finland_eno.pdf



Task 4.5 – Pilot Projects

Task 4.5 is about the development of pilot projects within the subregions. All involved partners were asked to identify possible pilot projects which could serve as good practice for other regions. Normally these are highly innovative technologies or concepts of high implementation, which offer a good acceptance and/or experience of few years.

Altogether 16 Partners provided 44 pilot projects (each partner suggested between 1 to 9 projects). Since there was no closed definition of the pilots, they covered a wide variety of topics (assessment methods for special resources to full grown energy concepts of municipalities or regions), bioenergy resources (byproducts/waste to energy plants) and implementation stages (paper concept to fully developed bioenergy village).

After the identification of the projects they were evaluated by the participating partners for criteria such as sustainability, marketability and coverage. The evaluation process produced a ranking of the submitted projects, which was used to identify three good practices for the Baltic Sea Region. These are:

1. Production of biodiesel from organic waste with focus on 2nd generation biofuels (Norway – The Inland Region)
2. Energy independent village Feldheim (Germany - Westbrandenburg)
3. Investigations on Production and utilization of biogas in Study and Research Farm Vecauce (Latvia – Jelgava area)

During the WP 4 workshop in Potsdam on June 2011 the project partners visited Feldheim and met the mayor and the technical consultant. Aase Newborg from KanEnergi Sweden AB awarded a Bioenergy Promotion diploma to both because of their outstanding achievements (s. Photo).



WP 4 workshop visit in Feldheim in June 2011 (1)

For more information:

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Dr. Matthias Plöchl (external expert – BioenergieBeratungBornim GmbH – B³)

Picture:

1) Jan-Hendrik Aust



Task 4.5 – Prefeasibility studies

An optional subtask of 4.5 was the elaboration of so called prefeasibility studies. The topic could be around one of the less implemented pilot projects or another project within the subregions. These studies were provided by Norway, Sweden, Latvia, Poland and Germany.

The purpose of these studies was on the one hand to show the value of implementing projects and on the other hand to investigate on certain options within more developed projects. The topics of the studies were as diverse as the pilot projects.

Because of their high regional relevance most studies were elaborated in the national language. The outputs for the project were normally an executive summary to report on the activities. This had the benefit to get in close contact with the protagonists on site, who were the primary target group of the studies. The project got more visible for the people.

The studies were of help for people developing bioenergy projects, as well as for those who are in the implementation phase and in need of further data on certain issues such as technical and economic analysis of particular solutions.

The studies produced data for decision making like whether to start on the project and how the first steps should be done or what alternative options should be taken into consideration.

The following topics were on the focus:

- Bioenergy Tourism (Norway - the Inland Region)
- Utilisation of solid biomass (willow wood) in gasification process (Poland – West Pomerania)
- Development of a bioenergy demo-site (Sweden – Jämtland and Västernorrland)
- Decision support for management of naturally afforested farmlands (Latvia Tukums) Bioenergy supply in listed buildings, regional biomass for heat supply in a local gym and primary school, establishment of a bioenergy farm as demonstration project, construction of biogas plant with satellite CHP and local heat grid, construction of cooperative biogas plant, extension of existing biogas plant and improvement of existing wood gasifier (Germany - Westbrandenburg) Forwarder transport of tops, chipping at roadside, hedgerow maintenance (Germany – Rotenburg)

In Germany there are still a few more studies running, which haven't been completed so far.

For more information:

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Dr. Matthias Plöchl (external expert – BioenergieBeratungBornim GmbH – B³)



Joint conference on Sustainable Business Models, Innovation and NREAP implementation, Poznań, 22nd November 2011

The major environmental event in Central and Eastern Europe, POLEKO Fair, will host the joint conference of the projects Bioenergy Promotion and SPIN (Sustainable Production through Innovation in SMEs).

Organizers of the conference: ConVoco and the German Federal Ministry for the Environment, Nature Conservation and Nuclear Safety (BMU) together with the supporting institutions: SPEKTRUM and the Environmental Policy Research Centre (FFU), warmly invite all interested representatives of business and of local and national politics in BSR to participate in this event.

Within Bioenergy Promotion the event will be carried out as a joint effort of Task 3.3 lead by BMU with support from FFU and Task 5.2 lead by SPEKTRUM with support from ConVoco.

Thematic areas of the conference:

Morning session: Innovative approaches towards sustainable business models in the bioenergy sector.

Afternoon session: Sustainable bioenergy production and consumption in the context of NREAP implementation and its relevance to local authorities.

For current agenda, registration and more information please visit:

<http://convoco.eu/?joint-conference-bp-and-spin,17>



3rd announcement: Bioenergy Promotion conference

We would like to warmly invite you to join the 3rd, the final international Bioenergy Promotion conference:

Sustainable bioenergy concepts in the Baltic Sea Region – how to develop and implement

which will be held in Rostock, Germany from **2nd - 4th of November 2011**. The conference is part of the INTERREG IVB project, Bioenergy Promotion, which is co-financed by the European Union and the Government of Norway up to 2012.

The project aims to promote sustainable production and use of bioenergy as it is a growing business especially in the Baltic Sea Region. It supports policy development, regional strategy development as well as business development.

The event draws up on the project conferences held in Helsinki in 2009 and in Kaunas in 2010, which had a particular focus on the National Renewable Energy Action Plans (NREAPs) and their sub-regional and business perspectives and solutions for bioenergy as well as their implementation including sustainable criteria.

The objectives of the final conference are:

- a dialogue on initiation and implementation of sustainable bioenergy concepts
- to present successful regional bioenergy regions as well as good practices
- to discuss remaining barriers for a sustainable biomass utilization in the Baltic Sea Region.

These objectives are reflected in the following conference sessions:

- Sustainable bioenergy in the Baltic Sea Region
- Development of pilot regions on bioenergy – how to start
- Investment opportunities and examples on 'Good practices'
- The way forward – sub-regional strategies
- Integration of sustainable bioenergy on business
- Panel discussion "Towards sustainable biomass utilization in the Baltic Sea Region - remaining barriers"

Useful information

Participation is intended for decision-makers from ministries, public authorities and agencies at national and (sub-)regional levels, representatives from business and industry, research and other bioenergy stakeholders.

The language of the conference is English.

For more information, registration, conference fees and accommodation go to <http://www.auf-aw.uni-rostock.de/veranstaltungen/bp/>

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Biobrokers.eu - new marketing and networking platform

Biobrokers.eu is a free marketing and networking platform built with the aim to bring closer businessmen from different countries and facilitate their communication and trade, thus creating a common and easy to operate bioenergy market.

The platform is not limited only to products but it also takes into account other links of the bioenergy supply chain such as workforce, consulting services and technology. Whether it is a Polish farmer producing pellets, a Lithuanian investor looking for an expert on biogas or a power plant owner from Sweden looking for the cheapest pellets, the platform will help.

Biobrokers.eu is developed under the "Bioenergy Promotion" project, a flagship project of the Baltic Sea Region Programme 2007-2013.

Pomeranian Centre for Environmental Research and Technology

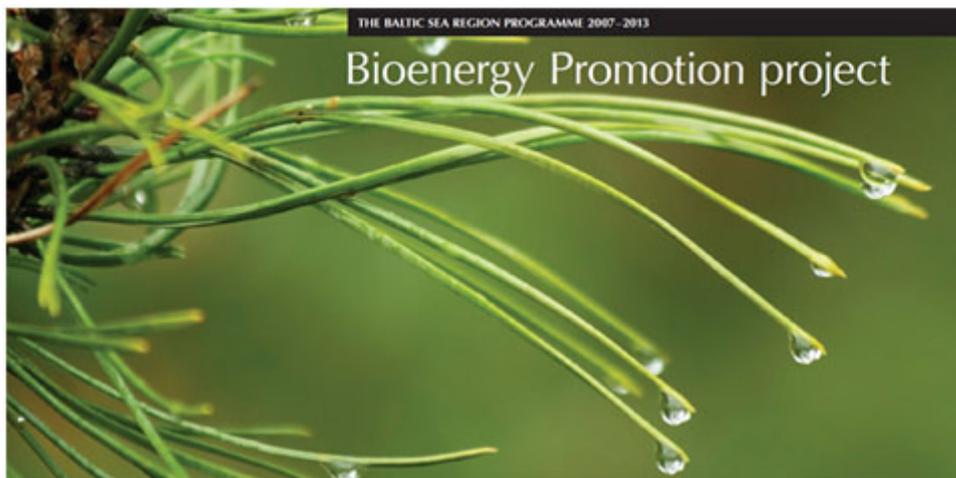
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Project midterm brochure

Project midterm brochure with an overview to general objectives and achievements of the project has been published and it can be downloaded [here](#).



For paper copies, please contact:

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