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Bioenergy Promotion

Newsletter 2/2010
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.

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WP 4 - (Sub)regions

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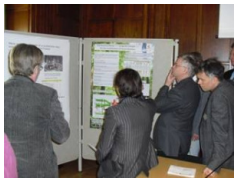

Invitation - Gdansk meeting

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Invitation - Jönköping

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Waste Biomass to Energy

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Event information

Check out the up-coming events.
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Bioenergy share must be increased, but at a reasonable price

The CEO of Stora Enso, Jouko Karvinen, agrees with Finland's goal to raise the bioenergy share in total energy production, but he demands that the Finnish decision makers have to make sure that the biomass pricing does not unreasonably escalate at the same time.

Picture: Image Bank, Stora Enso

There has been a lively discussion lately about the relevance of forest biomass to Finnish energy production as the targets for renewable energy by the year 2020 have to be achieved with a great emphasis on bioenergy. While the Finnish government and Minister of Economic Affairs Mauri Pekkarinen in particular, want to increase the share of forest biomass in the energy production by subsidizing it, the pulp industry is worried about how it will affect the supply of pulpwood and its price.

"After all, chemical pulping mills are responsible for 70 per cent of renewable energy in Finland," argues **Jouko Karvinen**, the CEO of Stora Enso, "and therefore Finnish renewable energy level is multiple times higher than EU average. It must be secured that subsidizing one form of bioenergy does not threaten the already existing production," he continues.

Stora Enso is a global paper, packaging and wood products company and Jouko Karvinen leads 27 000 employees and 88 production facilities in its mission to use and develop expertise in renewable materials. He sees the challenge of bioenergy being a twofold in nature. While there is a strong necessity to increase the bioenergy share in energy consumption fast, at the same time the biomass prices threaten to escalate due to the growing demand.

Karvinen suggests that the increase should be carried out at a moderate pace and the governments should create consistent policies and sustainability criteria in particular on bioenergy production and use. "These should be developed with care in order to avoid discriminating important biomass streams by setting unrealistic tracking and reporting requirements on biomass suppliers who often are small farmers and forest owners," Karvinen says.

Kirsi Gimishanov, Motiva Oy

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The Governments should promote the use of bioenergy

The Finnish Minister of Economic Affairs, Mauri Pekkarinen, states that the use of bioenergy has already a strong support from citizens and political decision-makers in the Baltic Sea Region. He claims the Governments should create favourable conditions to increase the use of bioenergy.

Picture: Lehtikuva Oy/Valtioneuvoston kanslia

All of the EU Member States have legally binding targets for the use of renewable energy to be achieved by the year 2020, but conditions for bioenergy vary from country to country. "For instance, there are differences in supply potential of biomass. In some countries it is not possible to use biomass in existing power plants and thus significant new investments are needed", says Minister Pekkarinen.

At the moment, there is a massive structural change going on in the global forest industry and pulp and energy companies have to compete on wood. The effects of this structural change will be seen particularly clearly in Finland, where almost 80 per cent of renewable energy is wood-based bioenergy based on bi-products, like black liquor, bark and sawdust, of the forest industry. "Because of that the future focus in the use of bioenergy will be on forest chips at least in Finland," Minister Pekkarinen claims. He estimates that the use of forest chips in Finland can be increased to 15 million solid cubic meters from the present level of 5 million and this will also show in the Government's energy policy definitions. "However, this requires both economic steering tools and measures to guarantee the supply chain of bioenergy from forests to the power plants," sees Minister Pekkarinen.

The Bioenergy Promotion project highlights the development of technology and cooperation between different actors on the bioenergy field. Minister Pekkarinen is on the same line. He believes that in the Baltic Sea Region these are really needed in order to increase the use of bioenergy. "We should all learn from each others' experiences and best practices," Minister Pekkarinen says. "To ensure that the general attitude towards bioenergy is positive also in the future, we have to make sure that the use of bioenergy is sustainable," he continues.

Kirsi Gimishanov, Motiva Oy

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WP 4 - (Sub)regions

Biomass and bioenergy can be an important base for regional development. Our aim in WP4 is to visualize this potential by identifying and developing one or more regions in each country to serve as "testing grounds" for bioenergy promotion.

WP4 workshop in Mekrijärvi, Finland November 2009
Picture: Katarzyna Bogucka

In 2009 the main focus was on identifying the (sub)regions, establishing regional network points, and doing analyzes of the present situation and future biomass potentials. The results of this work will be published in three reports during spring 2010. The first report was published in January 2010, and it shows the results of the analyzes on bioenergy related business and industry in the (sub)regions, including SWOT analysis (Task 4.4).

Next two reports coming up are identifying and describing the 17 (sub)regions identified as a part of the project (Task 4.1), and describing biomass potentials in the (sub)regions, including description of a common methodology for data-mapping and assessment of the regional potentials (Task 4.2). All reports aim at adding up knowledge gained so far in our work, functioning as tools for our further work in WP4. The reports will be made available on the project website, and may thus also serve as sources of knowledge for others who are searching for new ideas and how to perform.

All countries have identified several pilot projects (Task 4.5). From all of these projects three "Good Practices" will be identified, based on the following criteria; novelty (innovation), sustainability, transferability, marketability and accessibility. An ongoing work is the further development of some of these pilot projects into regional examples for practical energetic use of biomass. The experiences gained will be used in developing a decision tool for possible investors within each (sub)region.

Next year will focus more on the policy situation, policy tools and guidelines. It is our aim to develop strategic management plans for an integrated and optimized use of biomass and bioenergy in the (sub) regions (Task 4.6). This work will be closely related to the development of Policy Guidelines aimed for regional authorities in WP3.

Please look for more information about the regions on the project website:
http://www.bioenergypromotion.net/project/regions

For more information:
Gunnhild Søgaard, Gunnhild.Sogaard@skogoglandskap.no

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"Promoting sustainable bioenergy production and use – Challenges ahead for EU wide implementation of the RES Directive 2009/28/EC" - Workshop

A workshop Promoting sustainable bioenergy production and use – Challenges ahead for EU wide implementation of the RES Directive 2009/28/EC was held in Berlin on 11th - 12th of March.

Impressions of the poster session on March 11 Picture: Carina Lemke (FNR).

Workshop was organised by the German Ministry for the Environment, Nature Conservation and Nuclear Safety (in co-operation with the Environmental Policy Research Centre) and the Agency for Renewable Resources. This workshop was implemented as a joint effort of two sister projects currently co-financed under the INTERREG IVB programme: Bioenergy Promotion and 4Biomass.

The key rationale of the joint workshop was to

• to facilitate a dialogue among policy makers and other stakeholders;
• to highlight and discuss policies and measures promoting sustainable bioenergy production and use, particularly in the context of the Renewable Energy Directive 2009/28/EC and the Renewable Energy Action Plans (REAPs)
• to support capacity development and policy learning from good practice polices and measures.

On **March 11, 2010**, the focus was on the promotion of sustainable biomass use in **stationary appliances** for heating/cooling and electricity. This part addressed the sustainability requirements for biomass recently recommended by the EU Commission in its respective report[1] and complementary principles and criteria developed in the frame of Bioenergy Promotion for the Baltic Sea Region. Policies and measures supporting sustainable biomass mobilization as well as bioenergy production and use were highlighted in the context of REAP development.

On **March 12, 2010**, the workshop was dedicated to the mandatory minimum sustainability criteria for **transport biofuels and bioliquids** contained in the Renewable Energy Directive, first practical experiences of implementation in EU Member States and the respective systems for verifying and enforcing compliance with a particular focus on sustainability certification.

The workshop addressed decision-makers representing ministries, public authorities and agencies responsible for or involved in the development of bioenergy policies, particularly in the framework of the REAPs. On March 12, stakeholders from agriculture, business, industry, research and NGOs were attending as well.

Both workshop days were accompanied by poster sessions.

The agenda, presentations, posters, minutes and conclusions can be found on the Bioenergy Promotion website.

For more information:
Dörte Ratzmann, doerte.ratzmann@bmu.bund.de;
Michael Krug, mikrug@t-online.de (March 11)
Aino Martikainen, aino.martikainen@fnr.de (March 12).

[1]**REPORT FROM THE COMMISSION TO THE COUNCIL AND THE EUROPEAN PARLIAMENT**
on sustainability requirements for the use of solid and gaseous biomass sources in electricity, heating and cooling
SEC(2010) 65, SEC(2010) 66

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Invitation – International EcoEnergy Cluster Meeting with Facilitation Workshop "Biogas for Pomerania"

Baltic Bioenergy Cluster organises an International EcoEnergy Cluster Meeting with Facilitation Workshop "Biogas for Pomerania" in Gdansk on 10th - 12th of May, 2010.

The event concentrates on agricultural and waste biomass utilization, biogas installation and cogeneration.

The main topics are:

- Biogas technologies and financial models
- Aspects of strategic energy planning
- Biodegradable municipal solid waste management and biogas production
- "Face – to – face" meetings between various biomass market actors
- Eco – energy clusters presentation/discussion
- Wind and solar energy
- Smart grid and energy storing
- Direct contact with providers of the biomass/biogas related technologies
- WP5 business meeting of Bioenergy Promotion project.

For registration and more information please visit:
http://www.imp.gda.pl/Biogaz.html

or contact:

Maria Baginska, biogaz@imp.gda.pl
Adam Cenian, cenian@imp.gda.pl

Baltic Bioenergy Cluster - The Szewalski Institute of Fluid-Flow Machinery, Gdansk and Koszalin Universities of Technology, Foundation of Energy Saving, Polish Biogas Association, ENERGA Group, POMCERT and IMPLASER

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Invitation – Matchmaking event

New contacts – new business opportunities (Task 5.4). Bioenergy Promotion is coorganising a matchmaking event (pre-booked meetings) in connection to World Bioenergy and Elmia Recycling to Energy in Jönköping, Sweden, the 25-26 May 2010.

Are you a company, research institute, university, financial institute or municipality actively enganged within bioenergy? This matchmaking offers you an additional channel of marketing your business and establishing new personal contacts through pre-scheduled meetings with companies, organisations, international expertise and research centres etc from many different countries.

All participants will get a schedule of their pre-booked meetings (all meetings are 25 min long) which all take place in a designated area at the fair.

There is no charge for exhibitors or conference delegates at World Bioenergy or Elmia Recycling to Energy. For visitors the cost is one hundred Euro (100 €) which, in addition to the matchmaking event, includes entrance to both trade fairs.

How to participate
• Register and submit a business cooperation and/or technology profile online
• Profiles are published in a constantly updated online catalogue
• Participants selects interesting profiles from the catalogue and request meetings
• Individual 25 minute meetings will be send out to the participants in due time before the event starts

For further information and registration please go to:
www.bioenergy-match.eu/
or
www.worldbioenergy.com www.elmia.se/recycling
or contact:
Malin Fransson (KanEnergi), malin.fransson@kanenergi.se

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"Waste Biomass to Energy. Technologies for waste utilization and conversion" -seminar

Picture: Ewa Domke

Seminar "Waste Biomass to Energy. Technologies for waste utilization and conversion" was organized by the Baltic Eco-Energy Cluster (BEEC) on 16th of March 2010 in the seat of Institute of Fluid Flow Machinery Polish Academy of Sciences, in Gdańsk, Poland. The local seminar focused on alternative means of utilization and management of biodegradable solid waste.

The topic is currently of special interest, and thus attracted many participants, not only due to the aspect of bioenergy potential but also due to the EU law that obliges local self-governments to decrease significantly the amount of solid wastes that are landfilled.

Around 70 persons participated the in event organized by the Regional Contact Point on Bioenergy, which was launched within the Bioenergy Promotion project. The target group of the seminar were decision-makers responsible for waste management (including biodegradable waste) in local self-governments (GMINAS) of the Pomorskie Region as well as companies that provide services in the field of solid waste management. Seminar also attracted representatives of academia as well as regional business entities.

Last but not least, we have a pleasure to inform that this seminar was organized under the honorary patronage of the Marshal of Pomorskie Voivodeship, Mr Mieczysław Struk.

For more information:
Katarzyna Bogucka, kbogucka@imp.gda.pl

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Event information

Bioenergy Promotion up-coming project meetings and conferences

- Facilitation workshop, May 10th - 12th 2010, Gdańsk, Poland
- Matchmaking event, May 25th -26th, in Jönköping, Sweden
- Joint Workshop WP 4 and WP3 (Task 3.4), November 2 - 5/(6), 2010
- Bioenergy Promotion second project conference, November 23rd - 25th, Vilnius, Lithuania (preliminary information)