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Bioenergy Promotion

Newsletter 1/2011
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.

Regional Policy Showcases – Przechlewo, Poland

In each of the next newsletters one of the regional policy showcases (good practices) which were elaborated in task 3.4 Good practice policy showcases will be 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 ->

Management of naturally afforested farmland

Declining of agricultural production during 1990's caused afforestation of farmlands. Total area of forests on abandoned farmlands in Latvia is 10 % of area of forests before 1990.
Read more here ->

Results of trials of mechanized forest planting technologies in Latvia

Forest regeneration is aimed to maintain the quality and quantity of forest resources for future generations. Advantages of artificial regeneration are opportunity to reduce regeneration cycle, options to create desired composition and age structure of stands and possibility to use breeded planting material.
Read more here ->

Guidebook on short rotation willow plantations

Short rotation woody crops is another alternative for feasible utilization of set-aside farmlands. Fast-growing willow plantations (Nordic eucalyptus) commonly known for bioenergy applications is result of sustainability targeted agricultural policy in European countries.
Read more here ->

Environmental influences of small-scale use of fuelwood in Finland -report

Read more here

New project midterm brochure

Check out the up-coming events.
Read more here

Promoting sustainable bioenergy production and use - policies, showcases and business solutions in the Baltic Sea Region -conference

Read more here

Event information

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Regional Policy Showcases – Przechlewo, Poland

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Przechlewo, Poland

Taking into Consideration Greenhouse Gas (GHG) Emissions - Learn from: Przechlewo, Poland

Przechlewo municipality is situated in the south-western part of Pomorskie Voivodship and has been proposed as a showcase for Bioenergy Promotion for its energy and environmental policy giving highest priority to renewable energy and energy saving projects.

The main (sub-) regional policy instrument considering the sustainability criterion Reduction of greenhouse gas emissions was target setting. In the planning phase various strategies and programmes were formulated:
(1) Strategy for Przechlewo Municipality Development (1999-2010; 2006-2020),
(2) Program for Environmental Protection for Przechlewo Municipality (2006-2013),
(3) Program for Local Development of Przechlewo Municipality (2007-2013; 2014-2020).

One of the main aims from the Strategy for Przechlewo Municipality Development was the reduction of CO2, CO, SO2 and NOx emissions by replacing fossil fuels (coal) by renewable energy sources like biomass (residues of agriculture, wood and forest industry). To reach this target, in terms of one of the first projects the district heating system was modernized and taken into operation in 2001 so that 1900 users (private households and public buildings, 2010) were connected to a modern straw-fired boiler plant replacing an old, inefficient coal-fired boiler in. That way numerous small local coal-fired boilers were replaced. Besides, heat losses were minimized by the modernization of the heat delivery system. It is documented that about 90% of SO2 and 45% of CO emission were reduced (2010) since 2001. Annual emission of CO2 was reduced by around 7000 tons (appr. 23%).

Straw-fired boiler plant in Przechlewo

For more information:

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Pictures:

1. Energie-Cités 2002, modified: http://www.comune.verona.it/politichecomunitarie/Energie%20Cites/EN/PRZEC_EN.PDF
2. http://www.przechlewo.pl

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Management of naturally afforested farmland

Declining of agricultural production during 1990's caused afforestation of farmlands. Total area of forests on abandoned farmlands in Latvia is 10 % of area of forests before 1990.

Quality of forest stands on afforested farmlands is far from satisfactory in spite of excellent nutritional conditions. If nothing will be done, these forests will not deliver any valuable timber products in future. Even biofuel production might not be feasible taking into account small growing stock and poor accessibility options. Therefore the situations needs to be changed urgently to secure larger volumes and better timber characteristics on abandoned farmlands.

The scope of the booklet "Management of naturally afforested farmland" is to provide guidelines for management of forest stands on abandoned farmlands, including recommendations for reconstruction, thinning and biofuel production.

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Results of trials of mechanized forest planting technologies in Latvia

Forest regeneration is aimed to maintain the quality and quantity of forest resources for future generations. Advantages of artificial regeneration are opportunity to reduce regeneration cycle, options to create desired composition and age structure of stands and possibility to use breeded planting material.

In spite of silvicultural benefits artificial regeneration becomes problematic due to lack of qualified labour. Mechanization is the most visible option to increase efficiency of forest regeneration and to secure good quality of the future forests.

The booklet "Results of trials of mechanized forest planting technologies in Latvia" describes results of testing of Bracke P11a and M-planter planting machines and Bracke S35.a sowing device in Latvia. The booklet provides information about principles of forest regeneration, mechanized forest planting and operational principles. The booklet is targeted to forestry professions.

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Environmental influences of small-scale use of fuelwood in Finland -report

Use of fuelwood for farms and households is an essential part of bioenergy in Finland and in most of the countries in the Baltic Sea Region. It is important to improve also its environmental issues in the whole chain of custody. The report 'Environmental influences of small scale use of fuelwood - preliminary life circle observation' is some kind of starting point to this part of bioenergy promotion.

The report can be downloaded here.

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New 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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Promoting sustainable bioenergy production and use - policies, showcases and business solutions in the Baltic Sea Region

The second international Bioenergy Promotion conference Promoting sustainable bioenergy production and use - policies, showcases and business solutions in the Baltic Sea Region was held on 25th and 26th of November 2010 in Kaunas, Lithuania.

Mats Johansson, KanEnergi

The event drew upon a project conference held in Helsinki in 2009, which had a particular focus on the Renewable Energy Directive, and the National Renewable Energy Action Plans (NREAPs). In the second project conference the scope was broadened to also cover sub-regional and business perspectives and solutions.

The objective of the conference was:

- policy dialogue on the NREAPs and their implementation including sustainability criteria;
- to discuss (sub-)regional showcases and pilot projects;
- to present business perspectives, models and solutions.

These objectives are reflected in the following conference sessions:

- Sustainable bioenergy - EU policy framework and results from the Bioenergy Promotion Project;
- Implementation of National Renewable Energy Action Plans in Baltic Sea Region countries;
- Good practice in cooperation between (sub)regions;
- Sustainable bioenergy from a business perspective.

The conference presentation can be found here.

For more information contact:
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Event information

Bioenergy Promotion up-coming project meetings and conferences

- WP4 workshop for WP4 partners, June 13th – 16th, 2011, Potsdam, Germany
- WP3 and 5 workshop, September, 2011, Gdansk, Poland
- Bioenergy Promotion third project conference, November 2011, Rostock, Germany
- WP3 and WP 5 workshop connected to the international POLEKO fair, November, Poznan, Poland