

Country: Finland	Place: Jalasjärvi	Date: 12.1.2011
No. of participants: 8	Organizer: Jalasjärven Lämpö Oy, VTT	Target group: pellet producers, equipment manufacturers, researches, investors

## Title

**Regional networking activities of MixBioPells –project**

## Topics of the event:

Presentations, discussion on the mixed pellets and the project, decision for the testing of some mixed pellets

## Short summary: (aims and goals of the meeting, methods, contents, results)

The aim was to discuss on the markets of mixed pellets, on the first results of test pelletation, combustion and technology, as well as on the tasks for the future.

The CEO of Jalasjärvi Lämpö Oy (a municipal company), Mr. Aarno Alaluusua, wished all participants wellcome and told about the history, the present and the future of the company. The company has own pellets production from MDF-dust and straw and co-operation with Biobotnia Oy (VTT´s present co-operator). Because there is no sod peat production in the region, and because the price of it has increased, and also the price of wood and wood chips is high, they consider use fuel pellets made from differed raw materials.

Mr. Kimmo Kantalainen from Ariterm Oy presented the results of the combustion of the first test pellets (barley straw/peat, 50/50). They had managed rather well with a mobile grate (60 kW). Mr. Jani Teppo from HT-Enerco Oy told that produced pellets have behaved well in gasification tests, better than peat pellets and they had little more problems than wood chips. Because Mr. Harri Honkavaara (Biobotnia Oy) was unable participate meeting because of the another work, the production of the straw and grass pellets was presented as video recording.

In the afternoon Mr. Heikki Oravainen (VTT Expert Services Oy) told about combustion of alternative pellets. Markku Kallio (VTT) told about the Swedish literature work “Processing biofuels from farm raw materials - A systems study“.

During the presentations it was possible to ask questions, and there were several vivid discussions on e.g. why pellets and not briguettes.

The pellet factory of Jalasjärvi Lämpö Oy was visited, and Mr. Aarno Alaluusua told about the gasification unit, which produces heat to municipal district heating network. The gasifier has produced heat almost 24 years without troubles. It´s maxim capacity is about 6.5 MW, but in summer time it can be operated even with capacity of 400 kW.

It was also decided to make further test with pellets, and to send an abstract to International Nordic Bioenergy 2011 conference in Jyväskylä and the time and place of the next meeting in April of 2011 at Ariterm Oy in Saarijärvi.



*Fig. 1. Mr. Alaluusua and Mr. Kantalainen in the meeting.*



*Fig 2. Peat-strawpellets made by Biobotnia Oy to heating tests.*

Invitation of the workshop.



## MixBioPells –projektin kokous Jalasjärvellä 12.1.2011

Aika Keskiviikko, 12. tammikuuta 2011  
Paikka Jalastuuli-huoltoaseman kabinetti, Seinäjoentie 7 (Vt-3 ja Vt-19 risteys)

Tavoite: Edistää uutta paikallista bioliiketoimintaa

### Ohjelma

- 10.00 Kahvi ja ilmoittautuminen
- 10.15 Tervetuliaispuhe, Aarno Alahuusua, Jalasjärven Lämpö Oy
- 10.30 Kokeiden tuloksia, alustuksia 10 - 15 min.  
- pelletointikokeet, Harri Honkavaara, Biobotnia Oy  
- polttokokeet, Kimmo Kantalainen, Ariterm Oy  
- kaasutus, Jani Teppo, HT-Enerco Oy  
- keskustelua koetuloksista.
- 11.20 Ruokailu omalla kustannuksella
- 12.30 Vaihtoehtoisten pellettien polttokokeita maailmalla, Heikki Oravainen, VTT
- 13.10 Ruotsalaisen perusteoksen esittely, Markku Kallio, VTT
- 13.30 Keskustelua
- 14.00 Vierailu Jalasjärven kaasutuslämpökeskuksella ja pellettitehtaalla, Aarno Alahuusua

Tervetuloa!



List of participants

Nimi	Allekirjoitus	Osoite	e-mail
<p>MixBioPells Javalasjärvi 12.1.2011</p> <p>PASI SIIRONEN</p> <p>ESA LEHMONEN</p> <p>MATKKA ORAMINEN</p> <p>MATKKA KALLIO</p> <p>JAM TEPPO</p> <p>Rajjo Tiemari</p> <p>Kimmo Konttainen</p> <p>ARNE AKALAINEN</p>	<p>Pasi Siironen</p> <p>Esa Lehmonen</p> <p>Arne Akalainen</p> <p>Matkka Kallio</p> <p>Jam Teppo</p> <p>Rajjo Tiemari</p> <p>Kimmo Konttainen</p>	<p>WASTUUNVASTUUTTIEN 43400 PÄÄTÄRVI Mustamäentie 156 41520 Hankasalmi NUT EXPERT SERVICES OY 7228 40101 VIVÄSKYLÄ HAKUTIE 7, 49800 PAAVA Riihanhe &amp; GOSSEKUMMELLE Antturi PL 59, 43101 Saunjoen JALASJÄRVI 014200077 014200077</p>	<p>Pasi.Siironen@vafo.fi</p> <p>esa.lehmonen@jykes.fi</p> <p>hwl@oraminen@ntt.fi</p> <p>JAM.TEPPO@HTENETKO.FI</p> <p>kimmo.konttainen@ntt.fi</p> <p>arne.akalainen@ntt.fi</p>