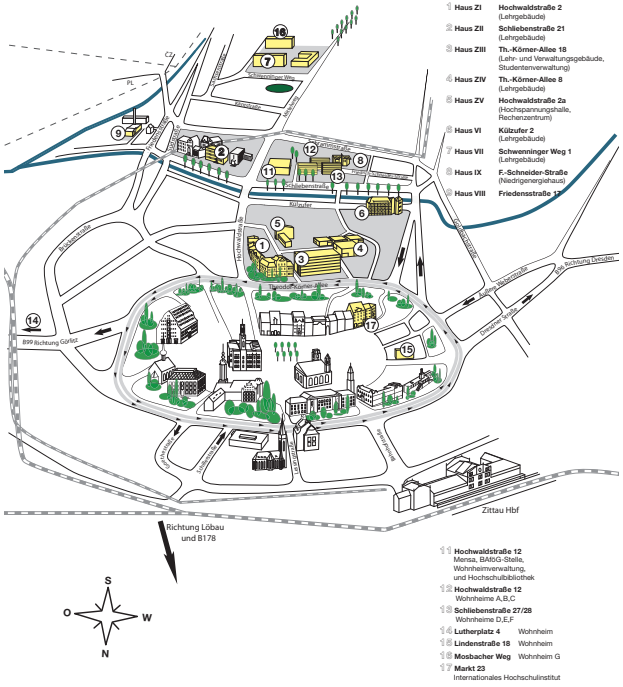
Registration

You may register for the conference on the following website:
http://www.energetische-biomassenutzung.de/de/aktuelles/tagungen/tagung-elektroenergie-2012/anmeldung.html

Venue

Zittau/Goerlitz University of Applied Sciences
Campus Zittau,
House Z IV, R 0.01
Theodor-Koerner-Allee 8
02763 Zittau
Germany



Photos: HSZG, DBFZ

Laboratory Visit

It is possible to visit laboratories after the conference program on 4th May, 2012.

Contact

Zittau/Goerlitz University of Applied Sciences
Theodor-Koerner-Allee 16
Faculty of Mechanical Engineering
02763 Zittau
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Power plant technology and power engineering
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Hochschule Zittau/Görlitz
UNIVERSITY OF APPLIED SCIENCES

Hotels

Hotel rooms have been reserved if you wish to stay overnight. Booking can be made by stating the keyword „Bioenergie Hochschule“ individually by the participants. We recommend booking early since reservation can only be guaranteed temporary.

A list of hotels can be found on the following website:
http://www.energetische-biomassenutzung.de/de/aktuelles/tagungen/tagung-elektroenergie-2012/hotels.html

The conference is supported by

BIOENERGYNET

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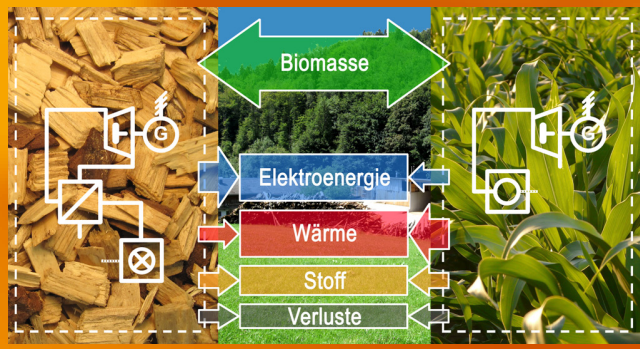
Wir stehen Unternehmen zur Seite

Conference

03rd-04th May, 2012 in Zittau



Electric Energy Recovered from Biomass

Hochschule Zittau/Görlitz
UNIVERSITY OF APPLIED SCIENCES

Funding Program
Biomass
energy use

Funded by:
Bundesministerium für Umwelt, Naturschutz und Reaktorsicherheit
Klimaschutz zahlt sich aus!
DIE BMU KLIMASCHUTZ-INITIATIVE

Coordinated by:
PTJ Projektträger Jülich Forschungszentrum Jülich

Scientific Support by:
DBFZ

Energetische Biomassenutzung

Welcome to the Conference

However the significance of biomass as energy carrier in the economic system may be in the future, from the regional economical and local point of view it remains an exciting option for the future. In this regard, particular attention is paid to cultivated biomass and to remaining substances, existing in large quantities, which are generated when producing food and physical goods. There is a small group of practical examples which are characterized by a high interest and high dedication of the specific actors. Such projects do not (yet) withstand strict economic-efficiency criteria; nevertheless are they a focal point of valuable technical-economic experiences. The aim must now be:

- to prescind experiences and to make them accessible to the general public
- to identify methods with which it is possible to reduce the economic inefficiency of some energetic valuable project approaches and thus to enlarge the number of potential future users and the acquired knowledge
- to improve the basics of further education
- a systems comparison of different technology paths from the economic and business management point of view

Presentations and a following discussion are supposed to risk a tightrope walk between direct practical relevance and scientific reliability.

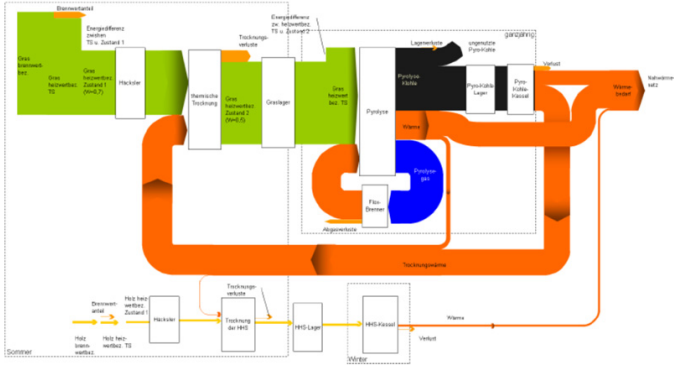


Abb. Energy- and Material Flow Analyses (HSZG)

Program

03rd May, 2012

In the run-up to the conference there is a business exchange platform where businesses represent their technologies and services.

09:00-12:00 Business exchange platform in house Z IV, R 1.01
Exhibitor registration is necessary via the website.

12:00-13:00 Warm lunchtime snack

13:00-13:15 Greeting/introduction
Prof. Tobias Zschunke (HSZG)

13:15-13:45 Energieatlas Lausitz – Internet Portal for Electric Energy Recovered from Biomass in Lusatia and Northern Bohemia
Maria Meyer (HSZG)

13:45-14:15 Supply of Biomass for Energy Recovery in Saxony
Dr. Kerstin Jäkel (LfULG, Leipzig)

14:15-14:45 Optimizing Regional Circulations - Integrating Different Energy Generation Plants in a Local Material Cycle
Bernhard Schauberger (Biomassehof Achental)

14:45-15:15 Capturing and Evaluating Performance Data, Energy Consumption and Economic Efficiency of Wood Chip Dryers
Georg Krämer (Holzfachschule Bad Wildungen)

15:15-15:45 Coffee break

15:45-16:15 Exhaust Limits for the Energetic Use of Biomass
Anja Nowack (Umweltbundesamt Dessau)

16:15-16:45 Reduction of Greenhouse Gas Emissions by Generating Electricity Using Biomass Gasification: Potentials and Costs
Tim Schulzke (Fraunhofer UMSICHT Oberhausen)

16:45-17:15 Unused Potentials for the Production of Biogas
Thilo Lehmann (Maschinenbau Lehmann, Pöhl)

17:15-17:45 Experiences from Planning and Operating a Biomethane Plant
Thomas Dautert (DREWAG, Dresden)

17:45-18:15 Waste Digestion Plants in Sweden
Ingmar Schüßler (SP Technical Research Institute of Sweden, Boras) - asked

04th May, 2012

09:30-10:00 Novel Micro Turbine Concepts for Difficult Fuels: Own Experiences with an Externally Fired and Inverse Gas Turbine
Martin Schmid (Ökozentrum Langenbruck, CH)

10:00-10:30 Process Development and Automated Operation of a Fuel Cell System Running on Biogas
Aniko Weder (Fraunhofer IKTS Dresden)

10:30-11:00 Potentials of the Fuel Gas Conditioning Using the Example of an HTCR-Combined Heat and Power Plant
Simon Konradi (TH Mittelhessen)

11:00-11:30 Coffee break

11:30-12:00 Energy- and Material Flow Analyses for the Thermochemical Wood Gasification
Reinhold Egeler (Stadtwerke Rosenheim)

12:00-12:30 Experiences of Different Operators in the Decentralized Biomass Gasification of the Company Spanner RE²
Yves Noel (RWTH Aachen)

12:30-13:00 Practical Experiences in Wood Gasification
Andreas Tigges (operator of a wood gasification plant)

from 13:00 Lunch Mensa HSZG

End of conference program, visiting the laboratories is possible.

If required, presentations will be simultaneously translated into English. If you are interested, please contact R.Schneider@hszg.de