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DANUBENERGY - Improving eco-efficiency of bio-energy production and supply
in riparian areas of the Danube river basin and other floodplains in Central Europe:

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Dear friends of renewable energy production in line with landscape conservation,
...we keep you informed about our Central Europe project DanubEnergy

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PROGRASS Week - Bioenergy for Green Regions in Europe

From October, 7th, to October, 9th, 2014 the PROGRASS week took place in Karlsruhe and Radolfzell (Lake Constance, Germany). Approximately 100 experts from various European countries discussed the current state and future prospects of bioenergy production in Europe, its impact on biodiversity, the social development of rural regions, and created a network to further promote the utilization of biomass from grasslands for bioenergy production.

The first day was organized by the Central European project DanubEnergy, whereas the second and third days were arranged by the project COMBINE funded within the EU's North-Western Europe program.

Special attention was paid to new approaches to add novel technological elements to the PROGRASS approach, as presented by John Corton and Thilo Lehmann. You find the abstracts by clicking on the hyperlinks below – we recommend to read them.

Overview on the first conference day at Karlsruhe:

Michael Wachendorf (University of Kassel, Germany): The PROGRASS approach: history and introduction. (not available)

Frank Hensgen (University of Kassel, Germany): Concept of the IFBB-process - Integrated generation of solid Fuel and Biogas from Biomass. (not available)

Lutz Bühle (University of Kassel, Germany): [Results from combustion tests and energy balances](#).

Bernhard Schneider (Project coordinator DanubEnergy, EAR, Austria): [Potential of PROGRASS and IFBB in riparian areas](#).

Piotr Goliński et al. (Poznan University of Life Sciences, Poland): [Implementation of PROGRASS and IFBB in Poland](#).

Excursion to the large-scale IFBB plant of the Umweltbetrieb Baden-Baden: [Short overview of the Baden-Baden plant](#).

Overview on the second conference day at Radolfzell:

John Corton (AMW Ltd, Wales, UK): [Optimising Outputs: Integrating a slow pyrolysis unit to IFBB](#).

Meike Piepenschneider (University of Kassel, Germany): [New input sources: Utilisation of urban biomasses - Specific problems with heavy metals in urban biomass](#).

Colin Keyse (Cwm Harry, Wales, UK): [New target groups and beneficiaries - Socio-economic impact of IFBB in rural areas](#).

Thilo Lehmann (Lehmann UMT, Germany): [Technical innovations of the IFBB system: biomass washing and bio-extrusion technology](#).



Patrick Trötschler (Bodensee-Stiftung, Network blooming Lake Constance, Germany): Promoting biodiversity through the PROGRASS approach.



More than 100 persons listened to the speeches, which tackled all topics from technology, process efficiency and energy policy up to nature preservation and flood prevention.

In working sessions, valuable content was elaborated and among others, three new regions were identified in which meanwhile working groups have already taken up planning.

Presentation on the results of combustions tests Dr. Lutz Bühle (Kassel University) giving a presentation on combustions tests of IFBB processed biomass.

Flashlight on the last demo event in Poland

Four training sessions within the project DanubEnergy combined with 4 visits to a mobile PROGRASS demo-plant at Brody, Wielkopolska, Poland, August 16th – 19th, 2014

The last stop of the mobile demo-plant roadshow met vivid interest and attracted a broad range of participants from agriculture, science, local enterprises and NGOs. At the premises of the University owned agricultural company at Brody the audience could not only learn all about efficient energy use of grass but also about the concrete potential to establish a first project of this kind in the Notec valley.

In each of these four workshops, Prof. dr hab. Piotr Goliński, Dr hab. Barbara Golińska, Mgr inż. Marek Czerwiński, Mgr inż. Jędrzej Daszkiewicz – all from Uniwersytet Przyrodniczy w Poznaniu/University of Life Science Poznan presented a study on semi-natural floodplains in Poland, Dr. Lutz Bühle from the University of Kassel presented an overview on the IFBB technology, and after a discussion participants could visit the mobile demo-plant, at which Dr. Lutz Bühle and Dr. Frank Hensgen showed the visitors around.

Cascade-style utilization of biomass – news from the Austrian Biogas Conference at Salzburg

Bernhard Drosig/IFA Tulln (Boku Wien): Integration of Algae production into biogas production and bioplastics production

Bernhard Schneider/Energieagentur der Regionen: potential of preserved areas for biogas production from grass

Tim Scholze/ProGrass eV.: special challenges of use of floodplains for grass harvest



Moderation: **Günther Bochmann** (BOKU Wien)



CE project DanubEnergy will end in a few days – some final reflection

Now is the right time to say a personal THANK YOU to those who have supported us on our long and stony way to where we are and who keep our company thinking about future perspectives. Contact us for any kind of ideas connected with use of the PROGRASS model in new regions, in PROGRASS networking or if you want to include new technological solutions into the approach. Let us hope the best for what 2015 will bring! Enjoy your Christmas holidays and have a happy new year!



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