



JAPAN

DBFZ Research and Project Country Profile Activities & Partners



DBFZ Activities

In March 2016 the directors of DBFZ and the Japanese Forestry and Forest Products Research Institute (FFPRI) agreed upon a close co-operation in the field of pelletization and torrefaction of biomass and signed a Memorandum of Understanding (MoU). The MoU is the basis for an intensified cooperation between both research institutes aiming at the exchange of experiences, mutual research visits, and publications.

DBFZ R&D and Project Focus

The cooperation with Japan focusses on the use of solid biomass. In particular, the production of pellets and torrefaction are topics of common interest.

DBFZ Future Activities

Based on the excellent experiences so far, DBFZ intends to continue and extend its activities in Japan. Research on high-end technological applications is a common feature for institutes and companies in both countries. In particular, DBFZ would like to focus the cooperation in Japan in the following fields:

- Pelletization and torrefaction of biomass
- Energetic use of solid biomass
- Consultancy on biogas production and processes

DBFZ Partners

Cooperation Agreements	Forestry and Forest Products Research Institute (FFPRI)
Project Partners	Chugai Ro Co. Ltd. Forestry and Forest Products Research Institute (FFPRI)

DBFZ Reference Projects

09/2012-09/2014	<p>Review of a Biomass Boiler Feasibility Study (Chugai Ro Co.Ltd.)</p> <p>Production of heat from biomass is a common option to prevent carbon dioxide emissions. Chugai Ro Co. Ltd. is currently expecting the report for a feasibility study for a 500 - 1000 kW biomass boiler for steam or hot water supply. In this quotation, DBFZ Deutsches Biomasseforschungszentrum gemeinnützige GmbH (DBFZ) is offering a review of the above mentioned report. In the following, the service offered shall be specified in detail and the commercial conditions and essential issues of the project handling shall be described.</p>
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DBFZ Research and Project Country Profile Project References



01/2015- 06/2018	Construction of cogeneration system with small to medium size biomass boilers The project focussed on the support for the construction of co-generation systems using biomass as feedstock.
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DBFZ Reference Publications

Yoshida, T.; Krüger, D.; Kiguchi, M.; Lenz, V. (2017). Investigation on benefits of smaller scale utilization of torrefied wood pellets on local communities in Japan and Germany. In: 5. Central European Biomass Conference: 18th to 20th January 2017, Graz, Austria. Tagungsband Proceedings. Wien (Österreich): Österreichischer Biomasse-Verband. ISBN: 978-3-9504380-1-7. S. 236.

Yoshida, T. (Hrsg.) (2017). Applied bioengineering: Innovations and future directions. Weinheim: Wiley. 624 S. ISBN: 978-3-527-34075-0. DOI: 10.1002/9783527800599.

Nelles, M.; Morscheck, G.; Lemke, A.; Elnaas, A. (2017). Treatment of Solid Waste. In: Yoshida, T. (Hrsg.) Applied bioengineering: Innovations and future directions. Weinheim: Wiley. ISBN: 978-3-527-34075-0. S. 521–544.

About DBFZ

DBFZ is the leading German research institute in the field of energetic and related material use of biomass. The DBFZ monitors and evaluates the most promising applications for bioenergy in theory and practice, realizing research and collaborative research projects at both national and international level, with partners and stakeholders from industry, administration, politics and academia. Currently about 180 scientists in the departments Bioenergy Systems, Biochemical Conversion, Thermo-chemical Conversion and Biorefineries carry out application-oriented R&D that also provides scientifically-based results to support informed political decision making.

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