

GERMAN NETWORK PARTNERS



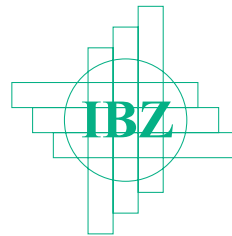
VIETNAMESE PARTNERS



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NETWORK MANAGERS



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INTERNATIONAL COOPERATION NETWORK



for the economic and ecological
utilisation of biomass and other
alternative residues through
carbonization





BACKGROUND AND MOTIVATION

In the transition into a more bio-based and sustainable society, the use of the potential of biomasses and other alternative residues from industrial, agricultural and consumer society is of considerable importance. Here, carbonization technology is a solution module for the implementation of future-oriented, economic and ecological bio-economy concepts.

This is an international task, because developing and newly industrializing countries in particular have a great need to implement solutions for the environmentally sound treatment of waste materials

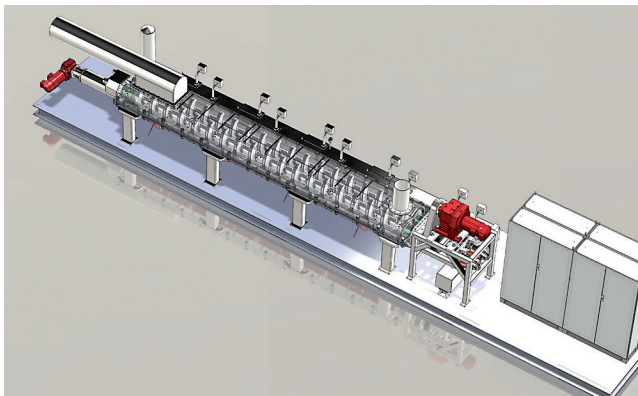


photo: Engineering office Hagemann

CHALLENGES

The production and utilisation of biochar is a very complex process and can be realised and influenced in different ways. The necessary application-oriented modification and adaptation of technologies requires cross-industry action and new forms of cooperation between the players in the value chain. The network „CARBOnet“; is intended to provide a cooperation platform for the joint development and implementation of innovative projects and to support their transfer into practice.



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OBJECTIVES OF THE NETWORK:

- Development of biomass and other residual material potentials for the carbonisation process
- Identification of interesting applications of biochar and by-products and their evaluation
- Optimisation of the carbonisation technology and process control under consideration of the quality control of the produced biochars and by-products
- Construction of innovative laboratory, pilot and demonstration plants
- Public relations activities

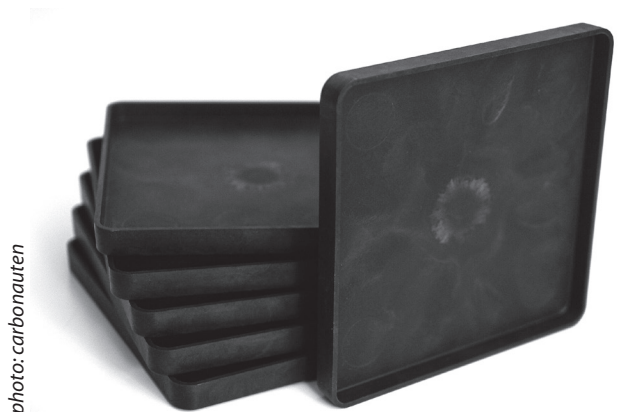


photo: carbonauten