

Optimisation of emissions from small, wood-chip combustion plants, by means of appropriate fuel selection and combustion management (OptiChip)" TV2: "Experimental support and combustion studies"

Project management: Prof. Dr.-Ing. Benno Lendt

Summary: An important building block in producing energy from

renewable sources is the use of biomass, in particular, the use of wood in small combustion plants. In order to minimise

the emissions arising due to the increased use of wood,

Section 1 of the Federal Emission Control Ordinance (German abbreviation: BImSchV) sets strict limits, whereby the dust-emission limit of 20 mg/m³ represents a particular technical challenge for wood-chip combustion. The aim of the joint research project is to meet the requirements of Section 1 of the second level of the BImSchV through the appropriate

selection of fuels and the corresponding plant setting

(TV1). Combustion trials are to be carried out using different quality chips, whereby the optimum mix of fuel and plant setting will be studied at two different small combustion plants (TV2). The results will form the basis of recommendations for

plant operators, manufacturers and fuel suppliers (TV1).

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Renewable Resources)

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