

## EFG 2009 – SESSION 2

### BIOGAS FROM CO-FERMENTATION OF BIO-WASTE AT A WASTE WATER TREATMENT PLANT

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#### **Abstract**

The gas conflict between Russia and the Ukraine showed again the dependency of the European gas supply. The discussion about greenhouse gases are crying for a sustainable solution. Only two reasons, why in the European Union renewable energy is forced and supported. The logical renewable energy for the gas industry seems to be bio-methane (cleaned biogas). But also the production from plants is heavily discussed as using agricultural areas for energy production is competing with use for food production. One possibility to overcome this ethic problem is biogas from biogenic waste. At waste water treatment plants biogas production is part of the regular process flow. Extending this biogas production by integrating biogenic waste seems possible.

A study at an Austrian waste water treatment plant shows the potential, advantages and disadvantages, the necessary technical and organizational environment as well as options and limits for using residues after the process. Technical, regulatory and political hurdles are shown.