



Newsletter IEA Bioenergy Task 37: 11/2016

New publications

EBA publishes new good practices of organic municipal waste recycling through AD

Following the recent policy developments in the waste management sector, including source separated collection of biowaste and recycling featured within the new Circular Economy Package, the EU Member States will have to look for improvements in their waste management practices and also tackle some waste streams that never entered the circular economy. EBA presents success stories of 6 cities which are ahead of time in terms of biowaste management through AD, including sewage sludge from waste waters. The publications show all the benefits and opportunities a biogas plant brings to the local authority including energy recovery through electricity and heat generation, replacement of fossil fuels used in public bus fleets, renewable biomethane available for use for the local communities through existing gas grids

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Grasses for biogas production: A study by a German plant breeders association

A study by a German plant breeders association together with industry over 3 years has shown the following recommendations for farmers:

- The biomass yield has a greater impact on the methane yield per hectare than the specific gas yield
- Reed canary grass supply tends to show the best returns with reduced nitrogen fertilization at least under favorable growing conditions, i.e. early sowing and good development of the young plants.
- On a late sowing date ryegrass varieties, should be selected.
- grasses should contribute only as a co-substrate in the biogas plant. The mono-fermentation of grasses created the known problems of agitators and pumps at higher loading rates.

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Introduction to the digestion of biowaste

The German Biogas Association has published a new, easy to read booklet showing the benefits of biogas while producing energy, protecting our environment from soils and water degradation as well as to counter the effects of climate change. The brochure gives a practical information on how the anaerobic digestion process is done, the technology and science behind, safety measures to be taken into account and the results that can be expected. The publication tackles possibilities for waste digestion in Europe, but its focus is worldwide, considering that the challenges of waste management and farming are fairly similar across the globe. It includes state of the art reference plants operating on four continents, including a company directory with plants digesting different kinds of wastes.

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New EBA publication on biomethane in transport

The European Biogas Association (EBA) has published a new brochure aiming to serve as an introduction to biomethane in transport, going through its benefits and the challenges that lie ahead. Different chapters are dealing with Europe's transport sector and the gas-powered vehicles, listing the benefits of using biomethane in transport with the following one giving practical examples of successful projects. After an overview of the sector's development lastly, current and future public policies are evaluated.

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