

UrbanBiogas - BACKGROUND

The simultaneous energetic use of organic waste, such as municipal solid waste (MSW) and food waste, and the creation of a closed nutrient cycle is one of the main advantages of anaerobic digestion (AD) biogas plants as they turn “waste” materials to “desirable” feedstock. However, in many European regions waste management is still a large problem and only few biogas plants use organic waste for biogas production. At the same time, European countries have to comply with the Landfill Directive 1999/31/EC and with the Waste Directive 2006/12/EC to reduce land filling of the biodegradable part of MSW to 35% within the next five to ten years. They also have to comply with the Renewable Energy Directive (RED) 2009/28/EC.



Urban waste for biomethane grid injection and transport in urban areas



UrbanBiogas - OBJECTIVES



Biogas production from waste has the potential to contribute to the European waste and renewable energy targets. Adjacent upgrading to biomethane quality and grid injection in the natural gas distribution network is an opportunity to efficiently use renewable energy in urban

areas. This approach, Waste-to-Biomethane (WtB), is promoted by the UrbanBiogas project. Core of the project is the implementation of five marketable WtB concepts for the target cities based on more than 130 events, including workshops, working group meetings, study tours and city exchange visits.

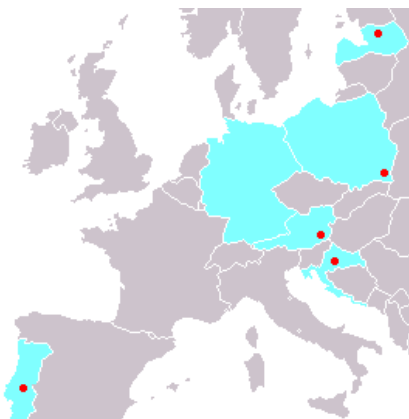
UrbanBiogas Partners:

WIP – Renewable Energies, Germany
Fraunhofer IWES, Germany
Energy Institute Hrvoje Požar, Croatia
City of Zagreb (Zagrebački Holding), Croatia
Polish Biogas Association
IrRADIARE, Portugal
Municipality of Abrantes, Portugal
EKODOMA, Latvia
North Vidzeme Waste Management Company, Latvia
Graz Energy Agency, Austria
Podkarpacka Energy Management Agency, Poland

UrbanBiogas – TARGET CITIES

Within UrbanBiogas 5 European target cities are supported for the production of biomethane from urban waste which shall be fed into the natural gas grids and optionally used for transport.

- City of Zagreb (Croatia)
- Municipality of Abrantes (Portugal)
- City of Graz (Austria)
- City of Rzeszów (Poland)
- City of Valmiera (Latvia)



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Website: www.UrbanBiogas.eu
Duration: May 2011 to April 2014
Contract No.: IEE/10/251