

INCOVER - Innovative Eco-Technologies for Resource Recovery from Wastewater¹

INCOVER Stakeholder Dialogue Workshop

**Upgrading biogas from wastewater to bio-methane:
economic perspectives on a sustainable source of energy**

**Historisches Kaufhaus
Freiburg, Germany, 25 October 2018**

Session Description

Title:

- **Upgrading biogas from wastewater to bio-methane: economic perspectives on a sustainable source of energy**

Date: 25 Oct. 2018

Time: 16:30 – 18:00 [CEST]

Session coordinator: Barbara Anton (ICLEI)

Objectives:

- Identify the obstacles to mainstreaming bio-methane;
- Address issues of economic and financial viability;
- Explore the uses and market for bio-methane (e.g. injection into the grid, and using it as a fuel in the transport sector (particularly for public fleets)).

Who?

Experts from energy associations and companies, the transport sector and other potential end users.



¹ Grant Agreement 689242

Short description:

Bio-methane is a renewable source of energy that is produced by upgrading biogas. It has similar properties as conventional natural gas, but has the additional benefit of supporting the transition away from fossil fuels and towards more renewable and sustainable energy sources. It is also one of the few energy sources that can be stored, thus providing energy on demand. This helps balance energy peak needs at local and regional levels thereby promoting energy security.

In INCOVER, bio-methane is produced using an innovative technology that uses algae biomass for the generation of biogas along with other carbon co-substrates, and uses yeast biomass for its production through a co-substrate. It employs a low-cost biogas cleaning technology capable of simultaneously removing CO₂, H₂S, NH₃ and volatile organic compounds (VOCs) from biogas to provide bio-methane.

The outcomes of the workshop will feed into the formulation of commercial strategies and business models for the exploitation of bio-methane that is generated by the technologies developed in the INCOVER project.

Participation in the Dialogue Workshop is per invitation only. Please write to water@iclei.org if you would like to share your expertise and join the discussions on the market and economic viability of bio-methane. Help us shape a more circular future!