



# Strategies for emission control on biogas upgrading plants

## Workshop

IEA Bioenergy: Task 37: 10 2023

Niederwil (Switzerland), 25 October 2023

### IEA Bioenergy Task 37 - Energy from Biogas

in collaboration with

Biomasse Suisse, Zurich University of applied Sciences (ZHAW),  
Association of the Swiss Gas Industry, Research Project consortium EMMINA

The workshop will take place at the Restaurant Gnadenthal, Reusspark 10 in 5524 Niederwil, Switzerland and will also be available online

Date 25/10/2023 9:30 -12:30 CEST

The upgrading process of biogas to Biomethane results in a gas stream containing (bio-) methane and a second gas stream containing the CO<sub>2</sub> and an unwanted part of the biomethane, called methane slip. This CO<sub>2</sub> rich gas stream either directly emitted to the atmosphere or its content of methane is oxidised before the release into the atmosphere, according to the applicable regulations. National regulations on the handling of the methane slip differ substantially in EU countries, France has recently changed the thresholds, in Switzerland new regulations are discussed. The presentations address the options for the reduction of the emissions and put the options for emission reduction into a context with GHG balances and national situation in Switzerland and France.

#### Program

9:30 CEST Registration

10:00 - 12:30 am CEST

Jan Liebetrau (Rytec GmbH, IEA Bioenergy Task 37) - Welcome and introduction

Hajo Nägele (ZHAW) - Status quo and Perspectives of emissions from upgrading plants in Switzerland

Lukas Knoll (DBFZ) - Emissions from upgrading plants - results of measurement campaign in Germany

Jan Liebetrau (Rytec GmbH) - Technologies for the treatment of gases with low methane content

Alice L'Hostis (CTBM) - New Limits for emissions from Upgrading in France - State of the Art and Perspectives

Allessandro Agostini (ENEA) - Greenhouse gas emissions reduction costs of biomethane slip oxidation

12:30-13:50 CEST Networking Lunch

14:00 CEST - Site Visit of Biomethane and CO<sub>2</sub> Liquefaction Plant of Regionalwerke Baden (Nesselbach)

Attendance is free of charge, number of participants is limited, lunch is not included Registration for in person participation is required, can be found here:

[Link for Registration](#)

[Link for online participation](#)

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