

BIOSOLFarm

South Baltic Farms – an essential part of renewable energy

Knowledge exchange on the topic biogas

Development of biogas utilization, legal framework & technical information on local production

WP2 Mapping of current situation and assessing potential of renewable energy usage in farms in South Baltic Sea Region

A2.4 Identification of good practice, capacity building activities and knowledge exchange

Location: Online via Teams, [Hier klicken, um an der Besprechung teilzunehmen](#)

Date & Time: Friday, 22 March, 2024 | 09:00 – 12:00 CEST

Organizer: enviMV e.V.

Speakers:

Dr Peter Kornatz

DBFZ

Dr Markus Piechotka

mele Biogas GmbH

Agenda items

09:00 Introduction and welcoming (*Laurine Kim Larsen*)

09:15 1. **Biogas utilisation – An introduction** (*Dr Peter Kornatz*)

- I. Information about the previous development of biogas utilisation in Mecklenburg-Vorpommern / Germany
- II. Information about the current development of biogas utilisation in Mecklenburg-Vorpommern (number of plants, plant sizes, average sizes, Land usage for biogas production etc.)
- III. Overview about the distribution of biogas utilization in the regional/ state/country
 - *conversion of biogas*
 - *gas injection*
 - *usage of waste heat*
 - *fuel processing*
- IV. Future potentials for biogas production in relation to agricultural enterprises

9:45 DISCUSSION Part 1

10:00 **2. Legal framework** (*Dr Peter Kornatz*)

- I. Overview about the development of important regulations and subsidies
- II. Relevant subsidies or incentives that impact the industry
- III. Development of biogas production after EEG change 2023

10:30 *DISCUSSION Part 2*

10:45 *COFFEE / TEA BREAK*

11:00 **3. Minimum technical and operational requirements** (*Dr Markus Piechotka*)

- I. Minimum technical and operational standards necessary for biogas production and utilization
- II. Investment cost, financing of biogas plant, income and expenditure

11:30 *DISCUSSION Part 3*

11:45 **4. Technical information on local production** (*Dr Markus Piechotka*)

- III. Technical differences between biogas plants for renewable raw materials and biogas slurry small-scale plants
- IV. Gas heat pumps: Energy optimisation of biogas plants
- V. Technical ways for better heat and electricity utilisation
- VI. Combination of heat pump with photovoltaic electricity
 - *To what extent can a PV system and heat pump together increase self-consumption?*
 - *How high are the costs and does it make economic sense to use photovoltaic electricity for heat pumps?*

12:15 *DISCUSSION Part 4*

12:30 **End of event**