

PROJECT TITLE: Evaluation and reduction of methane emissions from different European biogas plant concepts

PROJECT ACRONYM: EvEmBi

ABSTRACT

The EvEmBi project aims to evaluate different biogas plant concepts (e.g., agricultural biogas, bio-waste or wastewater treatment plants) used in Europe with respect to their methane emission factors (EF). Based on collected emission data, a quantification system for representative EFs for the biogas sector will be developed for the first time, enabling the derivation of representative EFs for the greenhouse gas (GHG) inventories. After emission quantification and identification of the major sources, emission reduction strategies will be developed, implemented, and reviewed for particular biogas plants. This results in the elaboration of a general European position paper as well as national position papers on GHG emissions and mitigation strategies. Additionally, a general European voluntary system as well as specific national voluntary systems for emission mitigation in the biogas sectors will be developed in cooperation with the involved national biogas associations. The gained knowledge will be disseminated to the European biogas community in training workshops elaborated within the project.

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