



GERG project MEEM DSO

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GERG project MEEM DSO - Overview

MEEM = Methane Emission Estimation Method

- Two-phase Project (October 2014 to October 2015 and October 2016 to June 2018)
- 11 project partners from 10 nations under the umbrella of GERG, support from Marcogaz and Eurogas
- Objective: To evaluate the currently used methods for estimating methane emissions of the gas distribution network and identify best practices and development of a uniform method that can be applied across Europe



GERG project MEEM DSO - Conclusions & Outlook

- MEEM (the method) **addresses all the relevant sources and types of emissions** in the gas distribution grid within the boundaries as defined in the project.
- MEEM is as **accurate** as possible **with reasonable effort**, enabling a **pan-European application**.
- MEEM provides different **reporting levels**
 - There is potential for a very detailed emission estimation. Some countries in Europe already have the capability to apply a more sophisticated and complete emission estimation with elevated number of input data and advantages e.g. in terms of accuracy and transparency. Additionally, MEEM provides opportunities for a less complex emission estimation if data is not available at the required level of detail.
- MEEM **contributes to a more consistent methane emission estimation within Europe**, also with an excel model, which includes all relevant equations and assumptions to support national or company emission estimates.
- It has been shown that not all input data is available in every country and further measurements and the updating of statistics are necessary → **national follow up activities** like ME DSO in Germany
- The method is currently used within **standardisation activities (CEN)**

GERG project MEEM DSO - Follow up activities

As recommended in the MEEM project, a national measurement campaign was set up in Germany:

DVGW project ME DSO

- Project **Title**: Determination of methane emissions from the German gas distribution grid (ME DSO)
- Project **Duration**: 01-08-18 until 28-02-22
- Project **Leader**: DBI GUT Leipzig
- **Funded** by: German Association of Gas and Water (DVGW)
- **Aim** of the project: Current national emission factors for the German gas distribution network (main lines, service lines and gas pressure regulating (and meter) stations)
- **Measurements**:
 - About 120 measurements were conducted on underground pipelines and
 - About 110 measurements on gas pressure regulating (and meter) stations



THANK YOU FOR YOUR ATTENTION!

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