



Methane emissions from transmission and distribution systems

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TECHNICAL ASSOCIATION
OF THE EUROPEAN NATURAL GAS INDUSTRY

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- ❑ **Bottom up approach based on emission factors (MARCOGAZ methodology 2005)**
- ❑ **Scope limited to EU transmission and distribution systems**
- ❑ **Data collection was (and is still) a challenge**
 - **Transmission: OK (70% of the grids)**
 - **Distribution: more difficult (60% of the grids)**
- **Results**
 - **< 0,1 % for high pressure systems (transmission)**
 - **< 0,3 % for low pressure systems (distribution)**
 - **Total estimated between 0,5% and 0,9% of anthropogenic GHG emissions in Europe: LOW LEVEL**

- **30/06/2015 in Brussels**

- **Attendees: GERG, GIE, IOGP, IPIECA, EUROGAS, NGVA Europe, IEA, UNECE**
- **Not many Gas Organisations are evaluating leakages at EU level**
- **Most are using data from the literature (often from US/Canada)**

Challenges:

- **Each segment of the gas chain is different (from E&P to utilisation)**
- **Common estimation/calculation methodologies needed**
- **Difficulty to obtain real emission data**
- **Measurement technologies to be developed**

- **Methane emissions are an issue of major interest for the Industry**
- **Common evaluation methodologies shall be developed for each part of the gas chain (standards?)**
- **Data collection systems to be put in place**
- **Broad cooperation is needed at European & International levels  platform to exchange**
- **Permanent contacts to be established with most advanced organisations (U.S.A./Canada)**
- **Best practices to reduce emissions shall be listed and circulated**



Thank you !

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