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Technical Association of the European Gas Industry

Importance of Methane Management for the Gas Industry

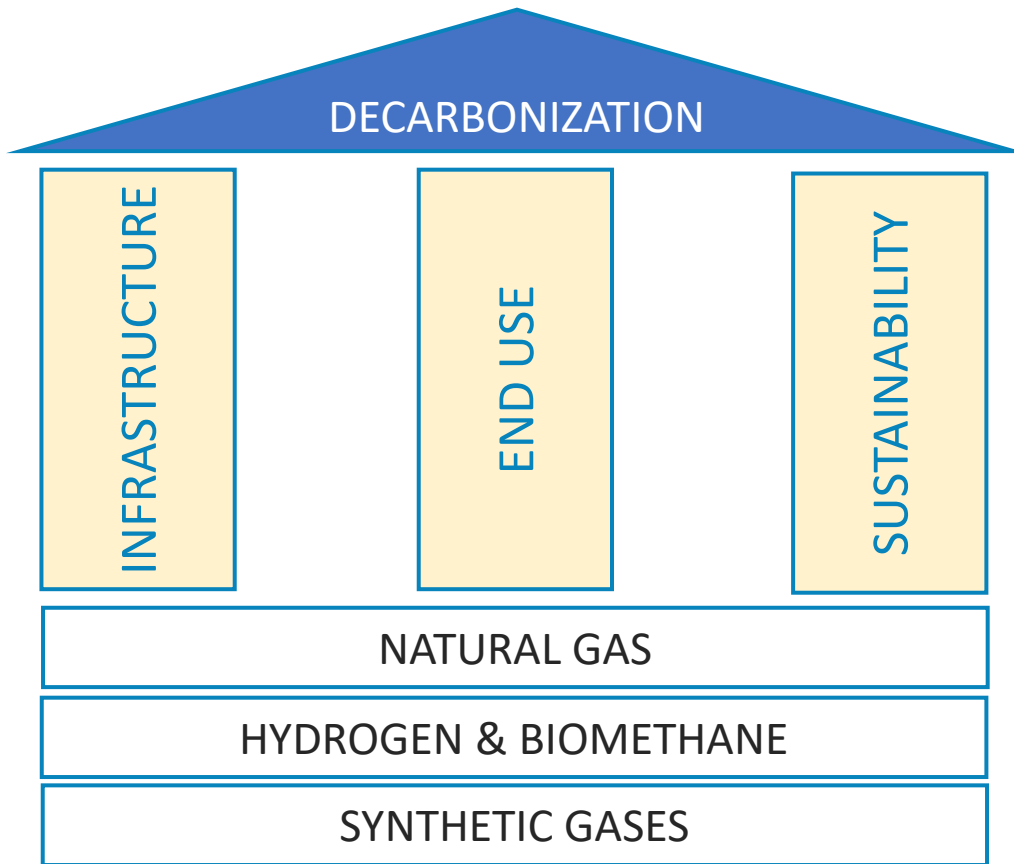
Midstream and Downstream Methane Management

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UNECE Sustainable Energy Week – Geneva, 22 September 2021

About MARCOGAZ

MARCOGAZ is the **technical** association of the European gas industry



- 53 YEARS
- 30 MEMBERS
- 20 COUNTRIES



Management of methane emissions

- 🔥 Methane emissions management and reduction is a **top priority** for the European gas industry
- 🔥 Methane emissions occasioned by the EU gas sector operations account for 0.6 % of the total EU GHG emissions. Nonetheless, the gas industry continues efforts to **reduce** methane emissions
- 🔥 Complex combinations of measurement, calculations and modelling to **quantify** methane emissions are applied in the management process
- 🔥 **Verification** and **validation** of methane emissions contribute to increasing transparency and reducing data uncertainty
- 🔥 The gas industry has developed **reporting** methods to increase transparency and comparability associated with the reported data



Actions at international, national and industry levels

- 🔥 Improve **information** by taking actions on **measurement**, **reporting**, and **verification**
- 🔥 Improve **leak detection and repair (LDAR)** on natural gas infrastructure, natural gas production, transport or use
- 🔥 Reduce/eliminate methane emissions by taking actions on **venting** and **flaring** in the energy sector covering the full supply chain
- 🔥 **Invest** in innovative technologies and methodologies to further detect and reduce methane emissions
- 🔥 **Cooperation:**
 - 🔥 Promote dissemination programmes
 - 🔥 Support European Union policy makers
 - 🔥 Provide insight for standardization bodies
 - 🔥 Exchange views and experiences with international organizations

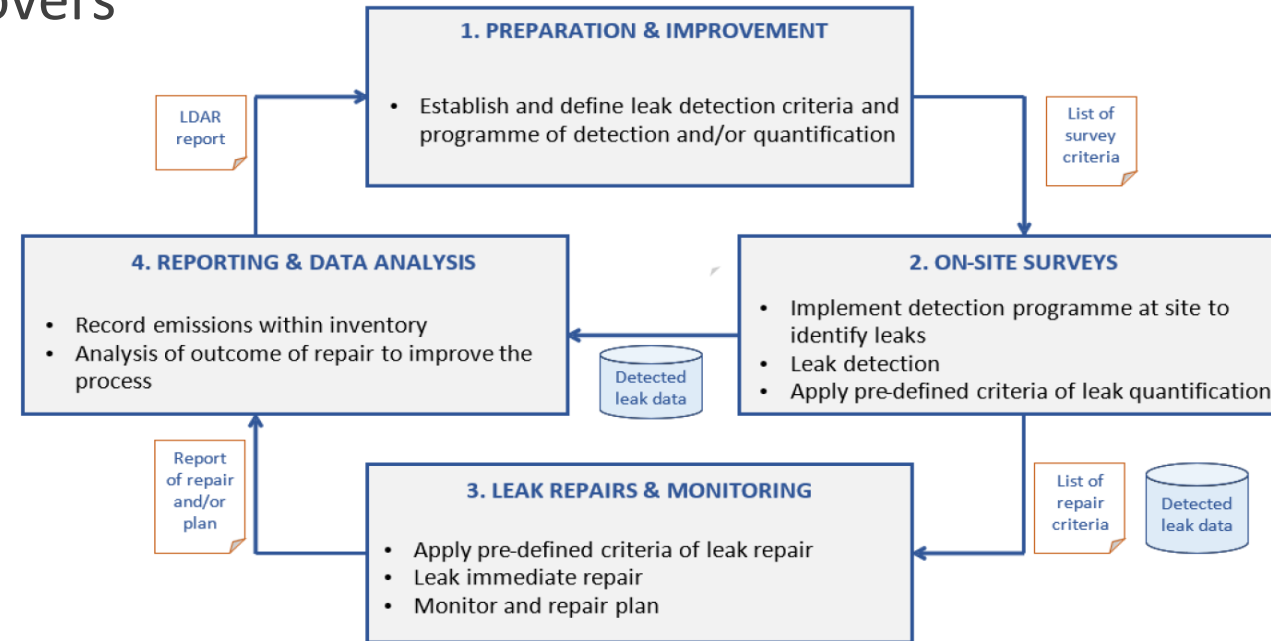


Costs of mitigating methane emissions vs. costs of inaction

As part of its operations, the gas industry covers the costs for:

- Measurement, reporting, and verification
- Leak detection and repair
- Innovation

Frequency of measurement, reporting, and verification has a cost



Even when the operation costs for reducing methane emissions are not reflected in **tariffs**, the gas industry remains committed to decarbonizing its systems

Costs of inaction are unmeasurable:

- Reduce the public perception of the value of natural gas as the fuel for the energy transition
- Negative externality on health, environment and climate

Benefits of methane management for the gas sector

- 🔥 Leak detection and repair allows for enhanced operational safety
- 🔥 Methane data management ensures transparency and comparability
- 🔥 Minimising CO₂ and methane emissions enhances environmental protection, public health and ecosystem integrity
- 🔥 The effort to manage methane emissions accelerates low-carbon economy and provides an incentive for the gas industry to integrate renewable and low-carbon gas technologies including hydrogen and biomethane

Conclusions

- 🔥 **Global commitment** of the industry, policy makers and society
- 🔥 Take bold measures based on **science and facts**
- 🔥 **Invest** in technologies for detection and monitoring
- 🔥 Increase methane emissions **data management** and transparency
- 🔥 **Harmonise** reporting means and methodologies
- 🔥 Natural gas is a low-carbon fuel, the **ideal source** for the energy transition
- 🔥 Strengthen international **cooperation**



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Thank you!

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