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# Model Framework for Reducing Methane Emissions along the Gas Value Chain



Scott Foster, Director, Sustainable Energy Division

# Methane Emissions Background

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## **Methane Emissions**

- Methane is one of the GHG.
- Lack of standardised methods for monitoring, reporting and preventing methane emissions.

## **Mandate to Act**

- Request by the Committee on Sustainable Energy (2014).

# Final Document

## What we aim for

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### **Purpose of the Final Document**

- Obtain a real picture of methane emissions along the gas value chain.
- Reduce methane emissions and the associated uncertainty.

### **Achieving the Goals**

- Develop and disseminate standardised basic principles for monitoring, reporting and preventing methane emissions along the gas value chain.

# Draft Document

## What we have

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### What Has Been Proposed

- Draft set of guiding principles and recommendations for:
  - ECE member States and National competent authorities,
  - Operators and owners of gas installations,
  - International entities operating in the gas sector.

### Purpose of the Draft

- Launch conversation and incentivise stakeholders to join.
- Identify the issues that the gas community finds to be:
  - Most important,
  - Most contentious.

# Draft Document

## What we based it on

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### Models Followed

- Convention on Access to Information, Public Participation in Decision-Making and Access to Justice in Environmental Matters (Aarhus Convention).
  - Ratified by 47 UNECE member States.
- Convention on the Transboundary Effects of Industrial Accidents (CTEIA).
  - Ratified by 41 UNECE member States (including European Union).
- UNECE Safety Guidelines and Good Practices for Pipelines.
- UNECE European Agreement Concerning the International Carriage of Dangerous Goods by Road (ADR)
  - 49 UNECE member States are Parties to the Agreement
  - Methane is classified as 1971, 1972, 2034

# Draft Document

## What we plan to do

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### Steps Forward

- Engagement with the Gas Community and collecting feedback from thereof.
- Solicitation for case studies illustrating various practices in monitoring, tracking, reporting and preventing methane emissions along the gas value chain.
- Compilation of the obtained data and revision of the Draft Document.
- Second round of consultation with the Gas Community.
- Compilation of the obtained data preparation of the Final Document.
- Third round of consultation with the Gas Community.
- Compilation of the obtained data and publication of the Final Document.



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# Survey on Methane Emissions in Extractive Industries



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# Survey

## What we aim for

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### **Purpose of Survey**

- Explore practices for monitoring, measuring, recording, and reporting methane emissions in extractive industries.
- Establish a starting point for development of Best Practices for Monitoring, Reporting, and Verifying Methane Emissions in the Extractive Industries.
- Assess what is needed to achieve the goal.



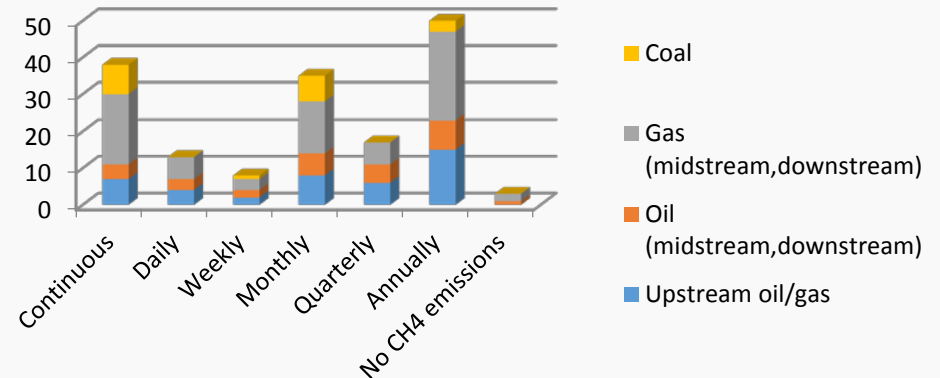
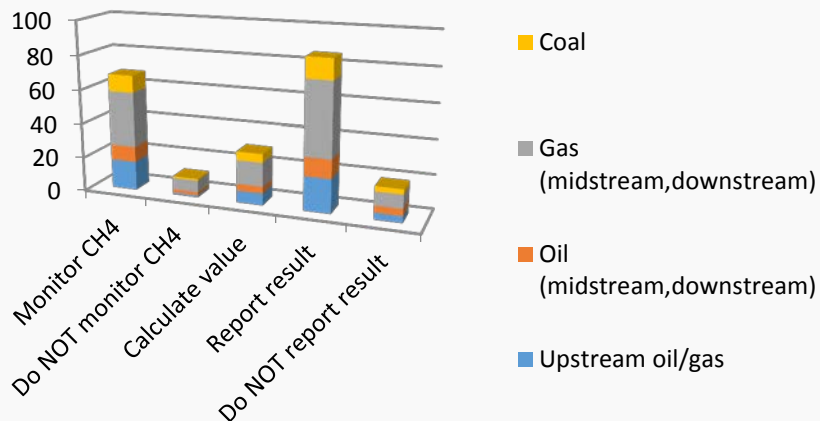
# Survey What we have

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## What Has Been Done

- Survey was developed and distributed among stakeholders.
- Initial analysis of results in progress.



# Survey

## What we plan to do

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### Steps Forward

- Full analysis and presentation as a report.
- Solicitation for case studies to illustrate practices.
- Incorporate results into the Model Framework for Reducing Methane Emissions along the Gas Value Chain.
- Engage with other relevant UNECE Groups of Experts (e.g. on Coal Mine Methane) and solicit for their input to the Final Report.
- Engagement with Partners (e.g. WPC, IGU, WCA).
- Advance draft of Best Practice Guidance.



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# Thank You!

Sustainable Energy Division

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