



1 December
9:30-15:00

Methane Emissions

AGENDA

09:30-09:35 Opening and welcome

Murès Zarea | President, GERG; Senior Lead Scientific Advisor, Engie

09:35-09:50 The European Gas Research Group: retrospective

David Salisbury | Former GERG President, Director of Plant Engineering, Babcock

09:50-10:00 The European Gas Research Group today

Murès Zarea | President, GERG; Senior Lead Scientific Advisor, Engie

10:00-10:15 Presentation of the GERG methane emissions roadmap

Bérénice Crabs | Vice President, GERG; Secretary General, Synergrid

10:15-10:45 GERG 'Technology Benchmark for site level methane emissions quantification'

- **Phase I: State of the Art**

Cristina López Lázaro | Engineer R&D methane emissions, RICE

- **Phase II.A: Field Tests**

Tania Meixús Fernández | International organisations, Enagás

10:45-10:55 Coffee Break

10:55-11:15 Recent past GERG work on methane emissions:

- **MEEM DSO**

Charlotte Große | Team leader Emissions and Life Cycle Assessment, DBI

- **Quantifying underground leakages from (gas) pipelines**

Kees Pulles | Senior consultant, KIWA

- **Detection and measurement of the emission of natural gas from the transmission system (Bottom-up)**

Adam Przybył | R&D Specialist, GAZ-SYSTEM

11:15-11:30 Methane losses in the gas infrastructure – challenge for networks operators; German perspective

Werner Weßing | Dipl.-Ing, Office for Green Gas



11:30-12:30 Panel discussion I: Emerging methane emissions quantification technologies - reconciliation and validation

Moderated by **Bérénice Crabs** | Vice President, GERG; Secretary General, Synergrid

Bart Wauterickx | CEO, The Sniffers

Lola Odunsi | International Sales Director - Energy, GHGSAT

Christian Lelong | Director of Natural Resources, Kayrros

12:30-13:30 Lunch Break

13:30-14:40 Panel discussion II: Methane emissions and R&D

Moderated by **Bérénice Crabs** | Vice President, GERG; Secretary General, Synergrid

Robert Ziegler | Project Leader Methane Emissions, Joint Research Centre, European Commission

Tania Meixús Fernández | International organisations, Enagás

Jean-Daniel Paris | Research scientist, Alternative Energies and Atomic Energy Commission (CEA), LSCE

Paul Balcombe | Division of Chemical Engineering and Renewable Energy, Queen Mary University of London

14:40-14:45 Wrap-up of the session

Bérénice Crabs | Vice President, GERG; Secretary General, Synergrid

14:45-15:00 Closure, summary speech

Robert Judd | Secretary General, GERG

Murès Zarea | President, GERG; Senior Lead Scientific Advisor, Engie



2 December
9:30-12:30

Biomethane

AGENDA

09:30 - 09:45 Opening and welcome

Christian Copin | Vice President, GERG; GRTGaz - RICE

09:45-09:55 Presentation of the GERG Biomethane roadmap

Torben Kvist | Chairman of the GERG Biomethane Working Group; DGC

09:55-10:15 CEN Biomethane project

Marine Juge | R&D Project Manager, Engie

10:15 - 10:25 PRCI: Renewable gas gap analysis

Amélie Louvat | R&D project manager, RICE

10:25-10:40 Coffee Break

10:40-10:50 Bio-LNG service at the Zeebrugge LNG Terminal

Svetlana Bochkova | Key account manager, Fluxys

10:50-11:30 Bio-LNG liquefaction technology: overview and recent developments

Laurent Benoit | Renewable Gases Liquefaction Expert, Engie

11:30-12:20 Panel discussion III: Lifting obstacles to the increase of biomethane injection

Moderated by **Torben Kvist** | Chairman of the GERG Biomethane Working Group; DGC

Erik Büthker | Chair of CEN TC 408, the Technical committee for standardizing biomethane for injection into the grid and use as vehicle fuel; Total Energies Gas Mobility

Anette Münther Hansen | Project manager, Danish Gas Technology Center

Erik Polman | Senior Consultant Gas Measurement and Safety, KIWA

Antonio Gómez Bruque | Co-chair GERG PC DUTS; Head of Innovation, Enagás Transporte

12:20-12:30 Closure of the meeting



3 December
9:30-15:00

Hydrogen

AGENDA

09:30-09:45 Presentation and welcome

Antony Green | Vice President, GERG; National Grid

09:45-10:15 Keynote: EU Hydrogen Strategy and Fit for 55

Tudor Constantinescu | Principal Advisor to the Director General for Energy, European Commission

10:15-10:35 Future Fuels Australia presentation

David Norman | CEO, Future Fuels Cooperative Research Centre (CRC)

10:35-10:50 Presentation of the GERG Hydrogen roadmap

Tanguy Manchec | Chairman of the GERG Hydrogen Working Group, GRTgaz RICE

10:50-11:05 Coffee Break

11:05-11:15 Ready4H2: Europe's Local Hydrogen Networks

Peter Kristensen | Chief Strategy Officer, Evida and Chair of the Ready4H2 project

11:15-12:00 GERG Hydrogen projects:

- **Pioneering hydrogen association: past H₂ GERG projects**

Robert Judd | Secretary General, GERG

- **CEN H2PNR**

Robert Judd | Secretary General, GERG

- **THyGA**

Patrick Milin | R&D Senior Project manager, ENGIE Lab CRIGEN

12:00-13:00 Lunch Break

13:00-13:15 Natural Hydrogen: another colour on the H₂ rainbow

Isabelle Moretti | Former GERG President, Senior Fellow - French Academy of Technology



13:15-14:50 Panorama of hydrogen projects

- **PIPELHYNE (PIPELines for Hydrogen Networks) | GRTGaz RICE**
- **Hydrogen SUITability | OGE**
- **Project Union – UK hydrogen backbone | National Grid**
- **FutureGrid – hydrogen transmission test facility | National Grid**
- **H21 | DNV**
- **Greenlab skive P2X | DGC**
- **Hydrogen Test Centre | DGC**
- **Hydrogen-house / hydrogen experience centre | KIWA**
- **HyWay27 | Gasunie**
- **Sectioning H2 grid | Gasunie**
- **Low Carbon Energy Hub | Gassco**
- **The Snam H2 Readiness Project | Snam**
- **Green Hysland | Enagás**
- **H2SAREA | Nortegas**

14:50-15:00 Closure and summary speech

Robert Judd | Secretary General, GERG

Murès Zarea | President, GERG; Senior Lead Scientific Advisor, Engie