

Innovative power-to-methane technologies for the energy transition

The Horizon 2020 project STORE&GO is coming to an end of the four-year project. Project partners will present their main findings during the concluding scientific conference. Investigated fields cover, amongst others: experiences from operation, assessment of technology development, life-cycle analysis, PtG impact on e-grids and gas grids, market and regulation aspects, and a geographical potential analysis for PtG.

Project website

www.storeandgo.info

Venue

Karlsruhe Institute of Technology (KIT)
Karlsruhe, Germany
Building 40.50

Online Registration:

<http://ceb.ebi.kit.edu/english/2527.php>

How to find the way:

<http://u.osmfr.org/m/405363/>

Accommodation

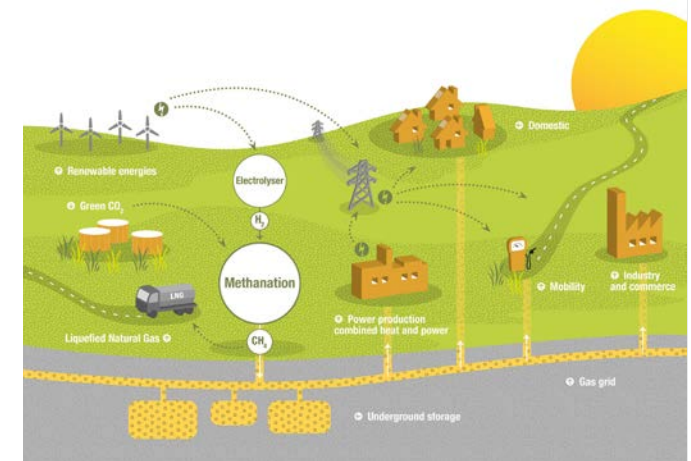
There is an allocation of rooms reserved at Achat Plaza Hotel with the code „STORE&GO“.

Contact

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STORE&GO

Final Conference 17–18 February 2020 Karlsruhe



Conference Programme

Day 1: 17 February 2020

12:00 Registration and snacks

13:00 Welcome Thomas Kolb, Karlsruhe Institute of Technology

13:30 STORE&GO: Investigating power-to-gas on EU level
Frank Graf, DVGW research center

14:00 Three examples for PtG real-life demonstration

- Falkenhagen
Matthias Schmidt, Uniper
- Solothurn
Andrew Lochbrunner,
Regioenergie Solothurn
- Troia
Alessandro Rossi, Engineering SPA

15:00 State-of-the-art PtG technologies

- Honeycomb methanation
Siegfried Bajohr, Karlsruhe Institute of Technology
- Biological methanation
Doris Hafenbradl, Electrochaea
- Microreactor methanation
Roni Albach, ATMOSTAT
- Liquefaction of renewable gas
Andrés Saldivia, Hysytech
- Direct air capture
Dominique Kronenberg, Climeworks

Poster session and coffee

16:30 Technology assessment

- Operational experiences
Jachin Gorre, University of Applied Sciences Rapperswil
- Future technological perspectives
Friedemann Mörs, DVGW research center
- Expectations on costs
Andreas Zauner, Energieinstitut Linz

18:00 Networking dinner

Day 2: 18 February 2020

09:00 Integration of PtG in the energy system

- Benefits of PtG for the electricity system
Ettore Bompard, Politecnico di Torino
- Integrating PtG into gas grids
Jens Hüttenrauch, DBI

10:00 Relevance of PtG for Europe

- Energy system simulations
Herib Blanco, University Groningen / Johannes Ruf, DVGW research center
- Cost-benefit analysis
Michiel de Nooij, ECN part of TNO
- Suitable locations for PtG in the EU
Johannes Schaffert, GWI
- PtG analysis via hardware-in-the-loop
Harm Lok, Hanze University of Applied Sciences

Poster session and coffee

11:30 The societal impact of PtG

- Life-cycle analysis
Xun Liao, Ecole Polytechnique Fédérale de Lausanne
- Social acceptance
Robert Tichler, Energieinstitut Linz
- Increasing public awareness for PtG
Daniel Stähr, DVGW
- STORE&GO training courses
Vera Stam, Energy Delta Institute

Poster session and lunch

13:00 An outlook for PtG

- Legal and regulatory framework
Ruven Fleming, University Groningen
- Business cases for PtG
Catrinus Jepma, University of Groningen
- The STORE&GO PtG roadmap
Hans Rasmusson, DVGW

14:00 Closing remarks



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