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“.

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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

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

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

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

This project has received funding from the European Union’s Horizon 2020 research and innovation programme under grant agreement No 691797.