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Power-to-Methane

Joint Workshop of EBA, GIE and ERGaR

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Renewable Energy House
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1. WHY POLICY SHOULD PAY ATTENTION TO RENEWABLE GAS?

The value of the European gas system

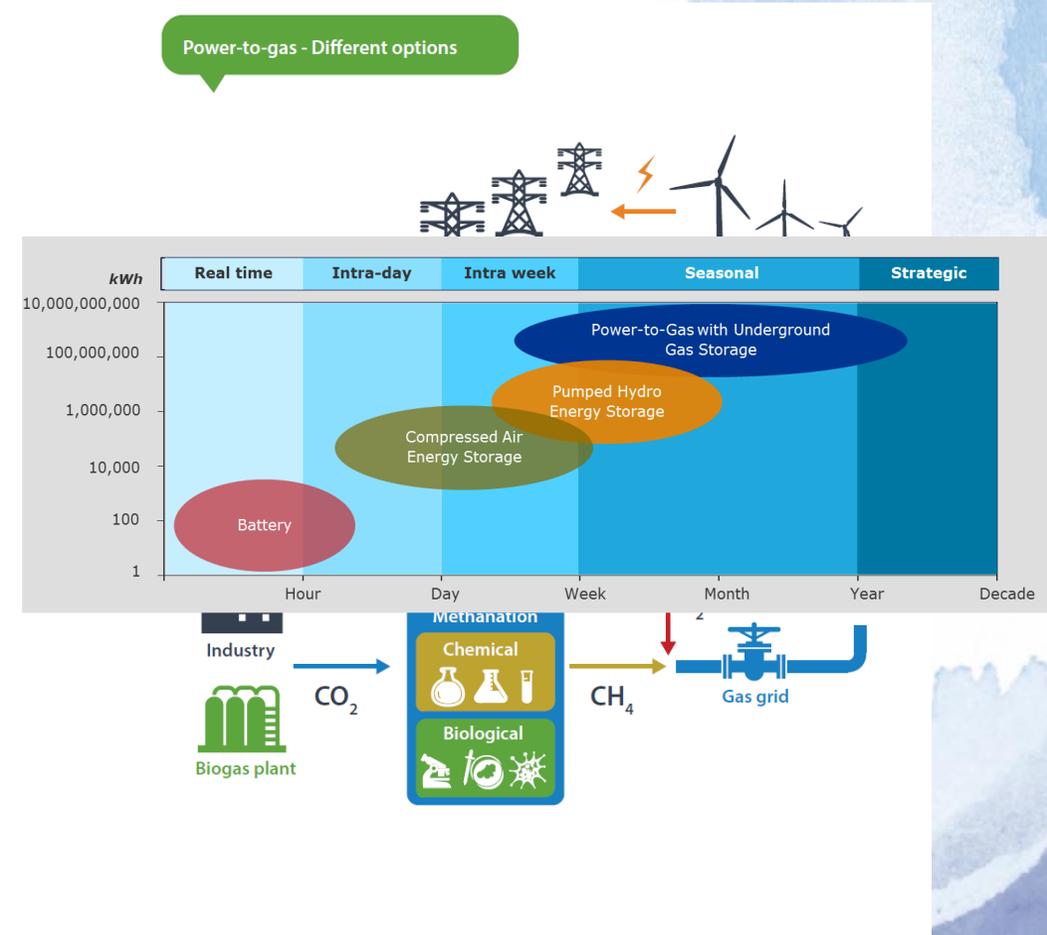
- The ever increasing share of renewables strains the robustness of the energy system
- The gas system is an important asset in the energy transition as its huge storage capabilities can be used to foster the integration of renewable energy in Europe by coupling the electricity and gas system.
- The gas infrastructure and gas market model are in an ideal position to ensure that renewable gasses can be injected locally but traded and utilised globally

Enabling renewable gasses can be transported safely throughout EU brings three key advantages:

- ✓ Emissions reduction policy objectives
- ✓ Flexibility
- ✓ Cost-efficiency

THE IMPORTANCE OF POWER-TO-GAS

- Power-to-Gas enables sector coupling, thus foster integration of renewable energy in Europe
- Avoidance of unnecessary investments in new infrastructure and curtailment costs by utilizing the available natural gas grids
- Any other energy storage technology does not allow for such a bulk energy storage
- The possibility of long-term and large-scale surplus electricity storage reduce price volatilities



ALLOWING RENEWABLE GASSES TO BE TRANSPORTED ACROSS EUROPE

- Integration of renewable gasses constitutes a new way of “thinking” as it is mostly produced downstream
- Large volumes of renewable gasses will also affect gas quality specifications and thus require a new way of operating the grid
- GIE support initiatives/activities that is aimed at increasing the knowledge of synthetic biomethane related to safe operation of the grid

RENEWABLE GASES – EU POLICY ASKS

- There is a need for a level playing field between the different renewable solutions
- Continue to bring focus on the challenges that renewable gasses such as power-to-methane are facing
- Promote and ensure political support for R&D and a (regulatory) framework that allows new markets and business models to develop
- European certification scheme to support the cross-border trading of all types of renewable gases
- GIE will continue to exchange views and to promote renewable gases and contribute to the evolution of the EU framework



THANK YOU FOR YOUR ATTENTION

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