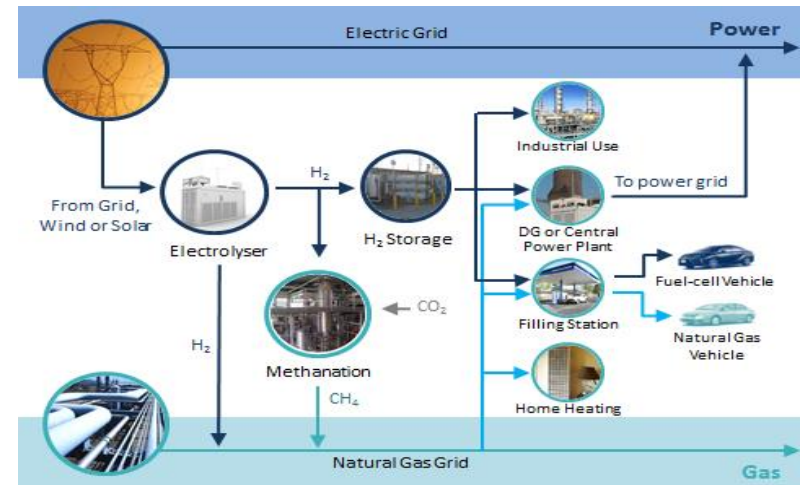
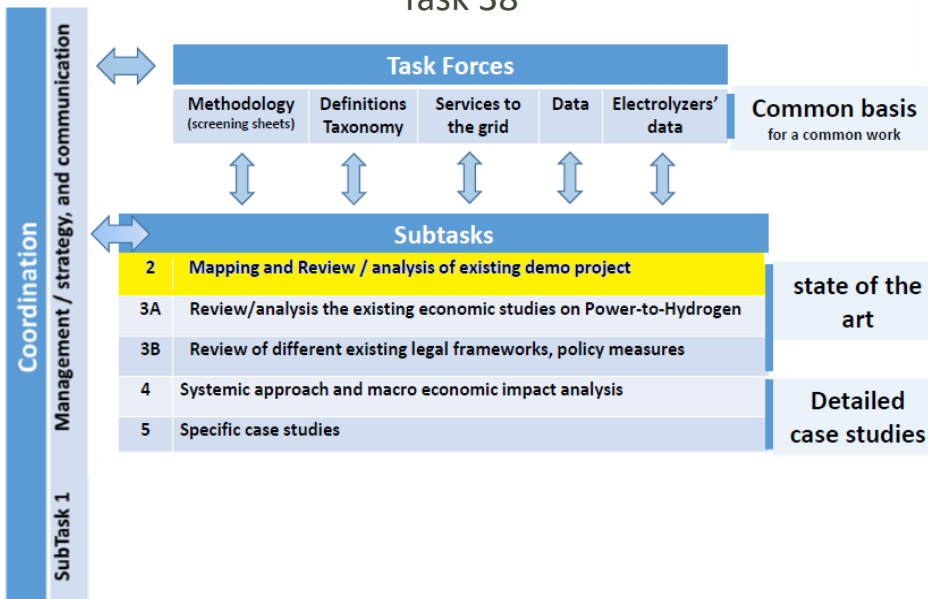


ST2-TASK 38 (IEA HYDROGEN)

Power-to-Gas is a particularly promising system solution. The idea behind Power-to-Gas is to convert renewable electricity to hydrogen or methane, store it in the gas infrastructure and then use it in a variety of consumption areas. Hydrogen and methane from renewable electricity can be used equally in mobility, industrial, heat supply and electricity generation applications. That makes Power to Gas a multi-system solution which supports the integration of renewable energy into the energy mix and also contributes to reaching the ambitious goals of reducing emissions of greenhouse gases and the sustainability goals in all areas of consumption.



Task 38



In the last ten years, many demonstration projects emerged around the world. These numerous projects are, however, at different levels of technical and economic maturity. Once the technical and economic feasibility has been demonstrated, the **Power-to-Gas** will represent business opportunities for new markets in the world.

In this context, **International Energy Agency (IEA) Hydrogen** gathered a group of over 50 experts under the name of "**Task 38**" to examine hydrogen as a key energy carrier and to understand the various technical, economic and legal aspects of these PtG projects. One of the subtasks of Task 38 is "**Subtask 2**", led by Joris Proost-UCL and aims at reviewing and analyzing the PtG demonstration projects worldwide (~200 projects in 32 different countries were identified). From this analysis, the objective is to propose a roadmap for future demonstration needs.

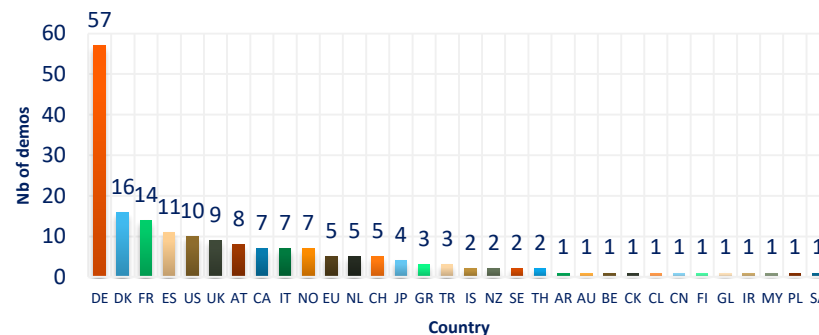
WORKSHOP 20TH NOVEMBER

CAPENERGIES in collaboration with IEA Hydrogen will be organizing an international workshop on the 20th of November 2018 in Aix-en-Provence/Marseille area, France.

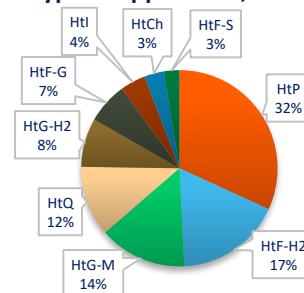
The objectives of the Workshop will be to:

- ◆ Present an overview of the Power-to-Gas demonstration projects installed around the world
- ◆ Present the analysis of these projects done by our team
- ◆ Special focus on particular projects
- ◆ Analyze the future needs of the demonstration projects in the form of a Roadmap that will be published by IEA Hydrogen in early 2019

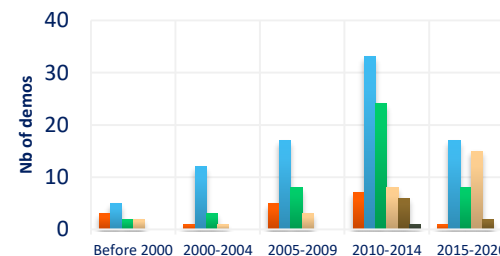
PtG demos per country



Type of application, H-to-X



Nb of applications per demo vs Time



PARTNERS



OTHER PARTNERS: ICSI, JRC, DGC, SWECO, HA, HYDROGENICS, DBI