

# ENERGY STORAGE TECHNOLOGIES BY POWER TO FUELS AND CHEMICALS EVENT

1<sup>st</sup> event mainly focuses on  
the Power to Gas system and  
perspectives

5<sup>th</sup> & 6<sup>th</sup> December 2016  
CEA-GRENOBLE,  
FRANCE



**liten**

## Objectives:

Initiate an European periodic event on technologies and business development of Power to fuels and chemicals

## Confirmed Speakers :

ADEME(Fr), McPhy(Fr), ITM(UK), CEA(Fr), IREC(Sp), LLT(Fr), Climeworks(CH), ATMOSTAT(Fr), Electrochaea(Ge), MeOH Inst. (Be), GRTgaz(Fr), TAURON(PI), AUDI(Ge), DVGW (Ge), Grewin (Be), EC (Be), Aachen Uni. (Ge),


Registration fee : 120€ before end of Sept - after 240€  
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# CONFERENCE PROGRAM




## Challenge of Energy storage and potential of Power to X technologies


### Hydrogen production technologies

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- ✓ Alkaline technology
  - ✓ PEM technology
  - ✓ SOEC technology
  - ✓ PEC technologies


### CO<sub>2</sub> resources and capture technologies


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- ✓ Amine capture
  - ✓ Other solvent capture
  - ✓ Membrane separation
  - ✓ Atmospheric capture

### CO<sub>2</sub> hydrogenation technologies to Fuels and Chemicals

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- ✓ Catalytic CO<sub>2</sub> methanation
  - ✓ Biologic methanation
  - ✓ Methanol reactor technology

### Demonstration projects

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- ✓ JUPITER1000 project
  - ✓ AUDI project
  - ✓ CO<sub>2</sub>-SNG project
  - ✓ STORE&GO project
  - ✓ MeOH project



## Techno-economic & environmental assessments and markets Legislation and directives

### Panel discussion

#### Scientific committee

Prof. Morante Juan Ramon (IREC-Spain)  
Senior expert Bengaouer Alain (CEA-France)  
Senior expert Baurens Pierre (CEA-France)  
Dr-Eng Ducros Frédéric (CEA-France)  
Senior expert Bedel Laurent (CEA-France)

#### Organization committee

Bedel Laurent  
(CEA-France)  
Ducros Frédéric  
(CEA-France)