

ENERGY STORAGE TECHNOLOGIES BY POWER TO FUELS AND CHEMICALS EVENT

Initiating a periodic event
mainly focussed on the
Power to Gas systems
and perspectives

5th & 6th December 2016
CEA-GRENOBLE,
FRANCE

FROM RESEARCH TO INDUSTRY
cea tech

liten

With the support of:



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), DVGW (Ge), Greenwin (Be), EC (Be), Aachen Uni. (Ge), Suez (Fr), KIT (Ge),

Registration fee: 120€ before end of Sept - after 240€
Please contact audrey.joly@ines-solaire.org

CONFERENCE PROGRAM



5th December: Conference
9:00 – 18:00



Welcome & introduction (CEA)



Challenge of Energy storage and potential of Power to X technologies (CEA)



Hydrogen production technologies

- ✓ Alkaline technology – McPhy
- ✓ PEM technology – ITM, UK
- ✓ SOEC technology – CEA
- ✓ PEC technologies – IREC



CO₂ resources and capture technologies


- ✓ Amine capture – LLT
- ✓ Ionic liquid solvent – KIT
- ✓ Membrane and cryo separation – Suez
- ✓ Atmospheric capture - Climeworks



CO₂ hydrogenation technologies to Fuels and Chemicals

- ✓ Catalytic CO₂ methanation – CEA-ATMOSTAT
- ✓ Biologic methanation - Electrochaea
- ✓ Methanol reactor technology – MeOH inst.

CONFERENCE PROGRAM



6th December: Conference
8:30 – 13:00




Demonstration projects

- ✓ JUPITER1000 project - GRTgaz
- ✓ CO₂-SNG project - TAURON
- ✓ STORE&GO project - DVGW
- ✓ MeOH project - tbc



Assessments and regulations

- ✓ Techno-economic assessment - Greenwin
- ✓ Environmental assessment – Aachen Uni.
- ✓ Legislation and directives – EU commission



Panel discussion : debate led by CEA

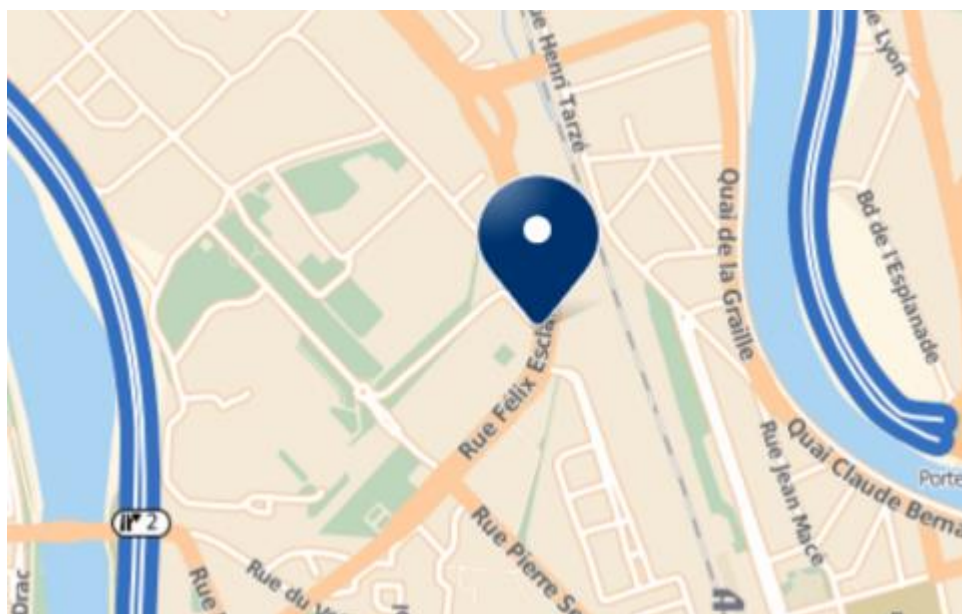
Scientific committee

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

(CEA-France)
Audrey Joly
Bedel Laurent
Ducros Frédéric

INFORMATIONS



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