



Workshop on hydrogen production with CCS

Organised by CSLF, IEAGHG, IEA Hydrogen TCP and Equinor

Hosts: EDF and Club CO2

Date and time:

November 6, 2019, 09:00 – 17:30

Place:

CAMPUS EDF CHATOU
Bâtiment B / “B” Building
6 Quai Watier
78400 CHATOU
FRANCE

Meeting room “Renoir & Caillebotte” room, on the 1st floor.

PLEASE NOTE that your name will be checked against a list of registrants, so IT IS IMPORTANT that you register for the meeting using the online meeting registration form. Please note that all participants from outside France will need to show a **valid passport**. Attendees from France will need to show **passports OR another ID**.

Preliminary programme

09:00 Welcome, and background of workshop (IEAGHG and CSLF)

09:10 Role of hydrogen in a low-carbon economy – long-term perspective

- Perspectives of the hydrogen society and IEA activities (20 min., **IEA Hydrogen TCP**)
- A national view – the Netherlands.
- Views from industry
 - Maritime. **Øystein Ulleberg, IFE** (to be confirmed)
 - Steel. TBD
 - Chemicals. CEFIC (to be confirmed)
- Safety aspects. **Y. John Khalil, IEA Hydrogen TCP Task 37**
- The CCS chain – example of Northern Lights Project. **Per Sandberg, Equinor**
- Panel discussion (speakers and audience).

11.10 Break

11:35 Case studies

- H21. **Anna Korolko, Equinor**
- Hydrogen Energy Supply Chain, HESC. **Australia and Hiroshi Ohata, J-POWER, Japan**
- USA. **US DOE.** (To be confirmed)
- Discussions

12:45 Lunch

13:45 Technology status hydrogen production from fossil fuels w/CCS

- Overview of hydrogen production methods (**IEA Hydrogen TCP**)
- More specifics of status of hydrogen production with CO₂ capture. **Sigmund Størset, SINTEF.**
- Views from hydrogen producers and electrolyser manufacturer; **Air Liquide, Air Products** (To be confirmed)

15:15 Break-out in groups (coffee break at groups' convenience) to answer:

- a. What are the RD&D needs for hydrogen production from fossil fuels w/CCS, with a view to bring down cost and carbon footprint?
- b. How to creating a market for hydrogen w/CCS – incentives, policy and regulatory aspects?
- c. Where to go from here - opportunities for cooperation (e.g. common task force)?

16:15 Report out – break-out groups

17:00 Conclusions, wrap-up, the path forward

The meeting will take place in conjunction a meeting of the Technical Group of the Carbon Sequestration Leadership Forum (CSLF) November 4 and 5 (for registration and programme, <https://www.csforum.org/cslf/Events/Chatou2019>) and workshop on CCUS in energy intensive industries (EIIs) November 7, organised by CSLF/Club CO₂ workshop, both held at the same location.

Separate registrations are needed for all three events.

Some Meeting Venue Information

Chatou is located approx. 15 kilometers to the west-northwest of Paris city center, and approx. 6 kilometers from the La Défense business district of the city. One option for traveling to Chatou from Charles de Gaulle International Airport is the RER. The RER “B” train will bring you to city center, where a change to the RER “A” train (the A1 branch) will get you to the Gare de Reuil-Malmaison, which is not far from the meeting venue.



