



ISO/TC 197
Hydrogen technologies

Email of secretary: jonathan.lafontaine@bnq.qc.ca
Secretariat: SCC (Canada)

Expert Invitation H2@Market ver 1.1

Document type: Public document

Date of document: 2019-11-15

Expected action: INFO

Background: Please find attached the agenda for the special plenary meeting (SPM) to be held on Wednesday, December 11 2019.

Committee URL: <https://isotc.iso.org/livelink/livelink/open/tc197>



November 15, 2019

Strategic Planning Meeting

“H2@Market: New Frontiers: Scaling Up with P2H/P2G Technologies”

Dear Hydrogen Expert:

The ISO Technical Committee on Hydrogen Technologies, ISO/TC 197, and the Regulations, Codes & Standards and Safety Working Group (RCSS WG) of the International Partnership for Hydrogen and Fuel Cells in the Economy (IPHE) are organizing a one-day Strategic Planning Meeting on **December 11, 2019** in the framework of strategic collaboration on international standardization. The Strategic Planning Meeting hosted by the CEA will benefit from the presence of a number of ISO/TC 197 experts who will be meeting at the same venue in the same week.

It gives us great pleasure to invite you to this Strategic Planning Meeting, which will focus on regional updates and key elements of scaling up hydrogen application with P2H / P2G technologies:

- P2G / P2H Initiatives in Asia focusing on latest developments in China and Korea, and comments from Japan;
- Featuring Residential Market focusing on projects for residential cooking and heat in UK and Australia, and a relevant update on CEN/TC 234 activities; and
- Scaling Up featuring the latest updates from H2@Scale in the USA and growing initiatives in France.

For the Strategic Planning Meeting we are targeting participation by stakeholders from the industry, research, standardization and policy communities. For the interactive sessions we asked each Panelist to answer the following four questions, which should help in the subsequent discussion to identify gaps and barriers as well as the need for and potential steps towards global standardization of requirements:

1. What has been achieved in the last three to four years?
2. What is planned for near term (work-in-progress)?
3. What are the gaps that need to be filled from standardization / regulatory stand points?
4. Is a global standardization effort needed and if yes, who should lead it and how should it be implemented (mechanism / standardization framework)?

We hope you will accept our invitation to contribute to this important Strategic Planning Meeting and **are looking forward to receiving confirmation of your participation by registering at the CEA site – TBD.**

Please note that while this letter is an official invitation, it does not oblige the organizers and host of this Strategic Planning Meeting to fund any travel or any other costs related to your attendance.

Sincerely,

A handwritten signature in blue ink, appearing to be 'A. Tchouvelev'.

Dr. Andrei V. Tchouvelev,
Chair, ISO/TC 197

A handwritten signature in black ink, appearing to be 'J. Keller'.

Dr. Jay O. Keller,
Rep. Co-Chair, IPHE RCSS WG

Dr. Pierre Serre Combe,
Host, CEA



Draft Agenda

Strategic Planning Meeting

“H2@Market: New Frontiers: Scaling Up with P2H/P2G Technologies”

December 11, 2019, Grenoble CEA / Minatec, Room TBD

Opening (Andrei V. Tchouvelev, Jay O. Keller and Pierre Serre Combe) 09:00 – 09:05

- Welcome and introductions
- Practical information

Stage Setting / SPM Objectives (Andrei V. Tchouvelev) 09:05 – 09:15

Moderator of “P2G Initiative in Asia” Jay O. Keller

Panelists’ presentations 09:15

- P2G / P2H Developments in China (Jinyang Zheng) (25)
- Hydrogen at the Market in Korea and P2G Activities (J. O. Choi and W. C. Cho) (25)
- Comments from Japan (Hidenori Tomioka, HySUT) – during Panel discussion only

Panel Discussion: next steps and key actors 10:05 – 10:30

Coffee break 10:30 – 11:00

Moderator of “Residential Markets” Andrei V. Tchouvelev

Panelists’ presentations 11:00

- Future of Gas / Transition to Hydrogen in the UK (Kate Jeffrey and Nick Hart) (25)
- Update on CEN/TC 234 H2NG standardisation (Nick Hart / Hiltrud Schülken via Zoom, if possible) (15)
- Hydrogen in Australia – Landscape overview and an emerging need for hydrogen domestic and commercial catering appliances (Rachelle Doyle) (25)

Panel Discussion: next steps and key actors 12:05 – 12:30

Lunch Buffet @ TBD 12:30 – 13:30
(Including short pitching talks – TBD by PSC)



Draft Agenda (cont.)

Strategic Planning Meeting

“H2@Market: New Frontiers: Scaling Up with P2H/P2G Technologies”

December 11, 2019, Grenoble CEA / Minatec, Room TBD

Moderator of “Scaling Up” Pierre Serre Combe

Panelists’ presentations 13:30 (25 min each)

- US DOE H2@Scale Update – Standardization Needs (Jay Keller)
- P2G / P2H Activities in France (Pierre Serre Combe)

Panel Discussion: next steps and key actors 14:20 – 14:45

Summary and conclusions

(Andrei V. Tchouvelev, Jay O. Keller, Pierre Serre Combe)

14:45 – 15:00

Coffee break

15:00 – 15:15

CEA Site Tours (parallel, 30 people max each)

15:15 – 17:30

- Tour 1: Low carbon hydrogen production and hydrogen multi-usages
- Tour 2: Power to gas and innovation at CEA