

Tentative programme
Digital Stakeholders Workshop (HyTunnel-CS project)

Monday 4th May 2020

9:30-10:00

Opening and FCH 2 JU presentation (A Garcia Hombrados, FCH 2 JU) (TBC)

10:00-10:30

Introduction to HyTunnel-CS project by the coordinator (V Molkov, Ulster University).

10:30-11:00

The crytical analysis of the state-of-the-art (D Makarov, Ulster University)

11:20-13:30

Effect of mitigation systems on hydrogen release and dispersion in confined spaces:

- Overview of research programme on unignited releases (NCSR D)
- Progress in engineering tools (UU)
- Progress in simulations of unignited leaks (NCSR D)
- Progress in experimental studies (ProScience)
- Roundtable discussion

14:30-17:00

Thermal and pressure effects of hydrogen jet fires and structure integrity

- Overview of research programme on jet fires (DTU)
- Progress in engineering tools (UU)
- Progress in simulations (DTU)
- Progress in experimental studies (CEA, PS)
- Roundtable discussion

Tuesday 5th May 2020

9:30-11:40

Explosion prevention and mitigation

- Overview of research programme on explosions (HSE)
- Progress in engineering tools (UU)
- Progress in simulations (KIT)
- Progress in experimental studies (CEA, UU)
- Roundtable discussion

12:00-12:50

First responders' intervention:

- Basics and principles of fire intervention (T Van Esbroek, M Van de Veire)



FUEL CELLS AND HYDROGEN
JOINT UNDERTAKING

- Framework conditions for firefighters' education and training (U Kummer)
- Roundtable discussion

12:50-13:20

- Quantitative risk assessment of FCEV in tunnel (P Russo, F Markert, S Kashkarov)
- Roundtable discussion

14:30-15:30

Stakeholders Presentations

- The Tees Valley Hydrail Project (M Lipscomb, Northern Trains Limited, UK)
- Breeze and iLint trains (title TBC) (S. Ring, Alstom)

15:30-16:00 Open discussion

16:00-16:10 Concluding remarks