Workshop schedule

(26 June) Introduction to production, storage, uses of H_2

8.45 - 9.00	Registration
9.00 - 9.15	Opening session and greetings of the authorities
9.15 - 10.00	Challenges and opportunities in using H_2 for decarbonisation: an overview (**Alessandro Trovarelli**, University of Udine, Italy)
10.00 - 10.45	Low-temperature electrolysers: principles, types, challenges (**Martin Paidar**, University of Chemistry and Technology of Prague, Czech Republic)
10.45 - 11.00	Coffee break
11.00 - 11.45	Green hydrogen as key enabler for the decarbonization of remote areas (**Domenico Ferrero**, Polytechnic University of Turin, Italy)
11.45 - 12.30	CCS and CCU technologies in H_2 economy (**Fausto Gallucci**, Technical University of Eindhoven, Netherlands)
12.30 - 14.00	Lunch break
14.00 - 14.45	Introduction to H_2 storage systems: processes and materials (**Giovanni Capurso**, University of Udine, Italy)
14.45 - 15.30	High-pressure H_2 storage technologies (**Alice Orsi**, Faber Industrie, Italy)
15.30 - 16.15	H_2 in the transport sector and alternative fuels (**Stefania Ischia**, Wartsila Italia, Italy)
16.15 - 16.30	Coffee break
16.30 - 17.15	Fisher-Tropsch synthesis in the energy transition (**Yali Yao**, University of South Africa, South Africa)

(27 June) Developments and challenges in green H_2 technologies

8.45 – 9.00	Registration
9.00 - 9.15	Greetings and introduction to the session
9.15 - 10.00	Blue versus green H_2 (**Cesar A. Valderrama**, Technical University of Catalonia, Spain)
10.00 - 10.45	High-temperature electrolysers and Fuel Cells (**Alessandro Donazzi**, Polytechnic University of Milan)
10.45 - 11.00	Coffee break
11.00 - 11.45	AEM Water Electrolysis: Advantages, challenges, and applications (**Chiara Cerato**, Pietro Fiorentini, Italy)
11.45 - 12.30	Frontiers of catalysis in the H_2 economy (**Paolo Fornasiero**, University of Trieste, Italy)
12.30 - 14.00	Lunch break
14.00 - 14.45	Solar reactors and H_2 production (**Ahmed Ghoniem**, Massachusetts Institute of Technology, USA)
14.45 - 15.30	Strategies for decarbonization and uses of H_2 in the hard-to-abate sectors (**Gabriele Guastaferro**, Danieli & C., Italy)
15.30 - 16.15	Challenges for a green H_2 transition: the North Adriatic Hydrogen Valley (**Rodolfo Taccani**, University of Trieste, Italy)
16.15 - 16.30	Coffee break
16.30 - 17.15	Introduction to H_2 safety issues: release, fire explosion, policies (**Artur J. Majewski**, University of Birmingham, United Kingdom)
17.15 – 18.00	Role of Infrastructures for the development of the H_2 market (**Simone Mausoli** and **Giuseppe Signoretta**, Bureau Veritas Italia, Italy)
18.00 – 20.00	Final remarks and closing cocktail reception