

HYDROGEN TRANSPORT AND STORAGE OPPORTUNITIES AND COSTS FOR THE USE OF EXISTING INFRASTRUCTURES

ROOM F

8 OCTOBER 2021 | 10:00 - 13:00

The penetration of renewable sources will have a significant systemic impact. This will require solutions capable to increase interoperability, flexibility and security of energy networks together with digitization solutions, data management and real-time control solutions. Technologies and tools can also be developed to allow network integration and synergy between transmission and distribution operators. In this context, the energy storage is fundamental. The hydrogen transport and storage infrastructures fit into this framework with the possibility of playing an important role in strategies aimed at achieving different objectives: to facilitate the diffusion of hydrogen; to promote the development of components and applications for both residential and industrial end users and transport sectors; to contribute to the integration of the national energy system with those of the Mediterranean, European and intercontinental networks; to support sector coupling, flexible integrated infrastructures and the integration of renewable sources; to have a transformative effect on existing infrastructures

In this context, it is of considerable interest, especially for the national context, to evaluate the possibility of reusing the existing infrastructures and the possibility of maintaining some elements of the logistics management systems consolidated over the time.

This session will focus on the issues highlighted above with particular attention to the opportunities and costs associated with the implementation of infrastructures for the transport and storage of hydrogen.

CHAIRMAN **Romano Borchiellini** - *Full Professor of Industrial Technical Physics and Coordinator of the Energy Center of the Polytechnic of Turin*

SPEAKERS

- Bertrand Amelot** - *DGA / EVP Sales & Marketing McPhy*
- Stefano Besseghini** - *Chairman, ARERA*
- Andrea Bombardi** - *Executive Vice President Carbon Reduction Excellence RINA*
- Giulia Botta** - *International Business Development Manager Hydrogen, Kiwa NV*
- Marcello Capra** - *Director General for Energy Supply, Efficiency and Competitiveness, MITE*
- Simone Corbo** - *Hydrogen Platform Manager Baker Hughes*
- Eduardo Di Benedetto** - *President, CIG*
- Erika Barison** - *Researcher, OGS*
- Sara Evangelisti** - *Project Manager Gas and Heat S.p.A*
- Xavier Rousseau** - *Corporate Strategy & Market Analysis, Snam*
- Stefano Venier** - *CEO, Gruppo Hera*
- Marco Parigi** - *Sales Director McPhy*

Organized by

In collaboration with