



Workshop “Impacts of hydrogen technologies on society”

Jointly organized by EERA Joint Programmes e3s and Fuel Cells and Hydrogen (FCH)

This workshop aims to delve into the **multifaceted impacts of hydrogen technologies deployment**, fostering **interdisciplinary dialogue between SSH and STEM** research communities. Participants will engage in exploring **hydrogen's societal implications** and identifying **actions needed to manage its role in the clean energy transition** effectively. By bridging diverse scientific perspectives and promoting collaboration, the event aims to explore hydrogen's potential role and the challenges to its effective use in achieving a sustainable and just energy transition.

AGENDA

Date: 26 March 2025

Time: 9:30 – 17:30

Location: Sala Lauree Blu, ground floor, [University of Turin, Campus Luigi Einaudi, Lungo Dora Siena, 100, 10153 Torino TO, Italia](#)

Online streaming: click [here](#) to follow the online streaming.

9:00 – 9.30	Registration	
9.30 – 9.40	Welcome greetings from University of Turin	Egidio Dansero Vice rector for sustainability <i>University of Turin</i>
9.40 – 10.00	Introduction from EERA JP FCH & e3s	Jari Kiviaho EERA JP FCH coordinator, <i>VTT</i> Alessandro Sciullo EERA JP e3s coordinator, <i>University of Turin</i>
Plenary lectures		
10:00 – 10:20	Green Hydrogen: The reindustrialization of Andalusia	Francisco Montalbán President, <i>Andalusian Hydrogen Cluster</i>
10.20 – 10.40	Assessment of social risks and impacts of hydrogen technologies: approaches and challenges	Alessandra Zamagni Researcher, <i>Ecoinnovazione, spin-off ENEA</i>
Coffee Break (30')		
Overview on hydrogen production		
11.10 – 11.30	Current methods of green hydrogen production	Miguel Laguna Bercero Research Scientist,



		INMA, CSIC-Universidad de Zaragoza
11.30 - 11.50	The nexus between water resources and green hydrogen deployment: a socio-economic issue of the hydrogen economy?	Agatino Nicita Energy social researcher, CNR, ITAE
Overview on hydrogen handling and use		
11.50 - 12.10	Hydrogen usage in an industrial context and in special applications	Jose Bellosta von Colbe Senior Scientist, Helmholtz-Zentrum Hereon
12.10 - 12.30	Public acceptance of hydrogen refuelling stations in Spain	Daniel Garraín Senior Researcher, CIEMAT
Lunch break (60')		
13.30 - 13.40	EERA activities for sustainable energy	Monica Fabrizio EERA Executive Committee member CNR
Hydrogen deployment: production, technologies and the environment Presentations from attendees & panel discussion Chair of the session: Daniel Garraín, Senior Researcher, CIEMAT		
13.40 - 14.40	Role of Co, Cu, Cr, and Al in TiFe Alloys for Hydrogen Storage: Towards Recycled Alloys Production	Francescca Garelli University of Turin
	Development of high temperature electrolysers for hydrogen production	Miguel Laguna-Bercero INMA, CSIC-Universidad de Zaragoza
	Opportunities and challenges for thermochemical waste conversion into renewable hydrogen (W2rH). Ongoing projects at CIEMAT	Jose Maria Sánchez-Hervás CIEMAT
	Methane and Biomethane Splitting: a sustainable pathway for hydrogen production?	Isabella Bulfaro Catalonia Institute for Energy Research (IREC)
	Life Cycle Assessments in Hydrogen based Energy Storage Systems	Ediane de Sa Alves University of Turin
	RenewStart for Hydrogen Technologies - fostering adoption of hybrid res & hydrogen plants	Ewa Andruszków IEN
14.40 - 15.10	Panel discussion	<i>Moderated by:</i> Daniel Garraín Senior Researcher, CIEMAT
Coffee Break (30')		
Hydrogen in Society and Economy: opportunities, barriers and challenges Presentations from attendees & panel discussion Chair of the session: Giuseppe Pellegrini Masini, Researcher, ENEA		
15.40 - 16.40	Cost of Capital, Alternative Fuels, and Hydrogen in the Transport Sector	Valeria Di Cosmo University of Turin



	Hydrogen perception and trust in Europe: double analysis from social and technical perspectives	Marianna Franchino Environment Park
	Evaluating how green hydrogen supply chains affect society and energy justice	Jacopo Bindi ENEA
	Social implications of a local hydrogen economy	Raffaele Albanese Institute for advanced energy technologies "Nicola Giordano" (CNR-ITAE)
	Strategic Governance of Green Hydrogen: Socioeconomic Transformations and Policy Imperatives in the UNLOCK Project	Beata Kviatek CEE, Hanze UAS
	Fragmented territorial pathways towards the hydrogen economy in South Tyrol: understanding differentiated local visions between convergence and conflict	Giada F.P. Coleandro Free University of Bozen-Bolzano
16.40 - 17.10	Panel discussion	<i>Moderated by:</i> Giuseppe Pellegrini Masini Researcher ENEA
17:10 - 17:30	Concluding remarks and wrap up	Alessandro Sciallo EERA JP e3s coordinator, <i>University of Turin</i> Jari Kiviaho EERA JP FCH coordinator, VTT
Aperitif		