



**UNIVERSITÀ
DEGLI STUDI
DI UDINE**

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**PROGETTO
CONDIVISO**



CONFINDUSTRIA UDINE

KICstartH2
Accelerating hydrogen uptake in Europe



Federal Department of Economic Affairs,
Education and Research (EAF)
State Secretariat for Education,
Research and Innovation (SERI)



EIT HEI Initiative
Innovation Capacity Building
for Higher Education

Scientific and Technical Board:

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Punto impresa

Language:

English



Inserire Iscrizioni al form on line:

<https://www.uniud.it/it/servizi/impresepunto-impresa/iscrizione>

Economy revolution by H2: an open discussion

WORKSHOP

**Palazzo Torriani
Confindustria Udine
Largo Carlo Melzi 2, Udine**

**mercoledì 26 giugno
ore 9 – 17.30**

**Introduction to production,
storage, uses of H2**

**giovedì 27 giugno
ore 9 – 20**

**Developments and challenges
in green H2 technologies**



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26TH JUNE 2024

INTRODUCTION TO PRODUCTION, STORAGE, USES OF H2

8.45 – 9
Registration

9 – 9.15
**Opening session and
greetings of the authorities**

9.15 – 10
*Challenges and
opportunities in using H2 for
decarbonisation: an overview*
Alessandro Trovarelli
University of Udine, Italy

10 – 10.45
*Low-temperature
electrolysers: principles,
types, challenges*
Martin Paidar
University of Chemistry and
Technology of Prague, Czech
Republic

10.45 – 11
Coffee break

11 – 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 H2 economy*
Fausto Gallucci
Technical University of
Eindhoven, Netherlands

12.30 – 14
Lunch break

14 – 14.45
*Introduction
to H2 storage systems:
processes and materials*
Giovanni Capurso
University of Udine, Italy

14.45 – 15.30
*High-pressure H2 storage
technologies*
Alice Orsi
Faber Industrie, Italy

15.30 – 16.15
*H2 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

27TH JUNE 2024

DEVELOPMENTS AND CHALLENGES IN GREEN H2 TECHNOLOGIES

8.45 – 9
Registration

9 – 9.15
**Greetings and
Introduction to the session**

9.15 – 10
Blue versus green H2
Cesar A. Valderrama
Polytechnic University
of Catalonia, Spain

10 – 10.45
*High-temperature
electrolysers and Fuel Cells*
Alessandro Donazzi
Polytechnic University
of Milan, Italy

10.45 – 11
Coffee break

11 – 11.45
*AEM Water Electrolysis:
Advantages, challenges
and applications*
Chiara Cerato
Pietro Fiorentini, Italy

11.45 – 12.30
*Frontiers of catalysis
in the H2 economy*
Paolo Fornasiero
University of Trieste, Italy

12.30 – 14
Lunch break

14 – 14.45
*Solar reactors
and H2 production*
Ahmed Ghoniem
Massachusetts Institute of
Technology, USA

14.45 – 15.30
*Strategies for decarbonization
and uses of H2 in the
hard-to-abate sectors*
Gabriele Guastaferro
Danieli, Italy

15.30 – 16.15
*Challenges for a green H2
transition: the North Adriatic
Hydrogen Valley*
Rodolfo Taccani
University of Trieste, Italy

16.15 – 16.30
Coffee break

16.30 – 17.15
*Introduction to H2 safety
issues: release, fire
explosion, policies*
Artur J. Majewski
University of Birmingham,
United Kingdom

17.15 – 18
*Role of Infrastructures
for the development
of the H2 market*
**Simone Mausoli and
Giuseppe Signoretta**
Bureau Veritas Italia, Italy

18 – 20
**Final remarks and
closing cocktail reception**