



**H₂Excellence
European
Hydrogen
Academy
Training for the future**

20–22
May 2026
Lisbon
Portugal



H₂Excellence



To be held at the
FIL – Meeting Centre,
Parque das Nações,
Lisbon, Portugal

A rich program of lectures, workshops, hands-on e-learning sessions and tools, collaborative engagement and external technical visits.

Participants seeking to learn, update, or reskill will gain insights into cutting-edge technologies, research, real-world applications, and emerging opportunities across the hydrogen value chain.



**H2Excellence
European
Hydrogen
Academy**

Free registration and participation!

<https://www.h2academylisbon.com>

Welcome to the H₂Excellence European Hydrogen Academy



H2Excellence
European
Hydrogen
Academy



This 3-day academy is your gateway to exploring how hydrogen and fuel cell technologies are shaping a cleaner, more sustainable world. Organised by LNEG (Portugal) as part of the H2Excellence European project, this Academy is designed to bring together young students, researchers, teachers and industry professionals.

No matter if you are a student in vocational training or engineering studies, a researcher involved in R&D projects, or a professional in a company developing hydrogen solutions, this Academy event provides a unique opportunity to learn, network, and explore the rapidly growing hydrogen sector.

Intended for:

- **Students**, attending a bachelor's, a master's degree or vocational training;
- **Professionals or researchers** in engineering, energy, environmental sciences, and related fields, seeking to update or reskill;
- **Everyone interested** in the future of hydrogen technologies.

2 full days of in-room technical sessions, finishing with a technical external visit to H₂ related companies near Lisbon:

- **Lectures from recognized experts;**
- **Overviews of running projects, demos and discussion round-tables;**
- **Networking and collaboration opportunities, meet people who are making hydrogen happen.**

WEDNESDAY, MAY 20			
Plenary Room (Auditorium I)			Satellite Activities Rooms
08:45-09:15	Welcome and Opening Session (To be announced)		Auditorium I Meet the project partners: Several exhibition desks from the Project and partners will be available with: - Information and documentation on projects and activities; - videos and/or other materials; - local support and Q&A.
09:15-09:45	Building excellence in Hydrogen skills: The role of H2Excellence in Europe's green transition Karna Dahal, Project Coordinator, VAMK (Finland)		
09:45-10:00	The Hydrogen European Academy: What to expect Carmen M. Rangel, LNEG (Portugal)		
10:00-10:30	Plenary Lecture The Future of Green Hydrogen: Innovation, Integration, and expected Impacts Luigi Crema, Bruno Kessler Foundation (Italy)		
10:30-11:00	Coffee Break		
	Auditorium I <i>The Hydrogen value chains</i>	Auditorium III <i>Hydrogen Valleys and regional development strategies</i>	Venue Hall: Meet the companies: Various European companies and organisations will display information on their projects, challenges and needs, using: - videos and/or documentation; - e-posters; - small-scale demos, etc. - local assistance and Q&A.
11:00-11:30	Green Hydrogen: Production technologies and relevant applications Tiago Lagarteira, Verdantia (Portugal)	Hydrogen Valleys: mapping Europe's projects Inês Moura Martins, Clean Hydrogen JU (EU, Brussels)	
11:30-12:00	Power2X: Green H2 as an energy vector Herkko Plit, P2X Solutions Oy (Finland)	Building a Green Hydrogen Valley through network projects and development José I. Hormaeche, BH2C (Spain)	
12:00-12:30	Fuel Cells and other H2 energy conversion technologies Francesca Santoni, ENEA (Italy)	Empowering regions in the Hydrogen economy: Markets, innovation, and regional value creation Hugo Gonçalves, H2Talent (Portugal)	
12:30-14:00	Lunch		
	Auditorium I <i>Green H2 projects</i>	Auditorium III <i>H2 vocational training (VET): Skills, profiles, and training innovations</i>	Room 1: Meet the trainers: Training sessions, where workstations will be available to attendants to access the H2Excellence e-learning platform modules and materials, with local assistance and interaction from content developers.
14:00-14:30	Large scale electrolysis plants for Green H2 production Jon Anzola, Univ. of Mondragon (Spain)	Skill gaps across the H2 value chain: Insights from industry and research Rui Ribeiro, Univ. Nova de Lisboa (Portugal)	
14:30-15:00	Green Hydrogen: improved and lower cost technologies and materials Jean-Patrick Corso, Chlynn (France)	Emerging professional profiles and training pathways in the H2 sector: specialized needs and challenges Gianluca Greco, Aragon H2 Foundation (Spain)	
15:00-15:30	Integrating and blending Green H2 into existing gas networks: examples and applications TBA*, FLOENE (Portugal)	Training offers in hydrogen education: The role of Micro-Credentials and flexible learning Oonagh McGirr, Univ. of Northampton, WAM (UK)	
15:30-16:00	Coffee Break		
Plenary Room (Auditorium I)			
16:00-17:00	Round Table Approaches to Innovation in the Green H2 value chain: startups versus larger companies Representatives of companies that lectured during the day Moderators: Cristina Maggi, Italian H2 Association (Italy) Carmen Rangel, LNEG (Portugal)		

THURSDAY, MAY 21			
Plenary Room (Auditorium I)			Satellite Activities Rooms
09:00-09:15	Day sessions agenda information		Auditorium I Meet the project partners: Several exhibition desks from the project and partners will be available with: • Information and documentation on projects and activities; • videos and/or other materials; • local support and Q&A.
09:15-09:45	Plenary Lecture Green Hydrogen challenges: from niche to large scale Emilio Nieto, CNH2 (Spain)		
09:45-10:30	Keynote Lecture Low carbon Hydrogen Economy market readiness Philippe Tanguy, Hynergy Consulting Ltd. (Portugal)		
10:30-11:00	Coffee Break		
	Auditorium I H2Excellence e-learning platform	Auditorium III H2 cost analysis, project tools and regulations	Venue Hall: Meet the companies: Various European companies and organisations will display information on their projects, challenges and needs, using: • videos and/or documentation; • e-posters; • small-scale demos, etc. • local assistance and Q&A.
11:00-11:30	H2Excellence knowledge-hub platform: training and networking opportunities Angela Pulvirenti, FAST (Italy)	Case studies on cost analysis of green Hydrogen and Levelized Cost Analysis (LCA) tools Juan Portillo, LNEG (Portugal)	
11:30-12:00	DEMOS: H2Excellence e-learning Platform for specialized vocational and high education training in Hydrogen technologies Lara de Diego, CIEMAT (Spain)	Life Cycle Sustainability Assessment (LCSA) tools Javier Dufour, Univ. Rey Juan Carlos (Spain)	
12:00-12:30	Approach to learning tools to manage skill gaps in Hydrogen technologies: insights from other Erasmus projects Gaute Kornberg, H2COVE (Norway) Giovanni Cinti, H2VE (Italy) Lara Ramos, ISQ (Portugal)	H2 Regulations at European and local level Paulo Martins, DGEG (Portugal)	
12:30-14:00	Lunch		
Plenary Room (Auditorium I)			
14:00-14:30	Plenary Lecture Designing a Safe Hydrogen Future: Lessons learnt, innovations, and the role of training and education Paolo Mocellin, Univ. Padova (Italy)		Room 1: Meet the trainers: Training sessions, where workstations will be available to attendants to access the H2Excellence e-learning platform modules and materials, with local assistance and interaction from content developers.
	Auditorium I Meet the companies: their own perspective	Auditorium III Green H2: From lab to product	
14:30-15:00	SMEs in the green H2 ecosystem: skill gaps, training needs and future challenges Nuno Gonçalves , DH2 (Portugal) Herkko Pit, P2X Solutions Oy (Finland) Cristina Maggi, Italian H2 Assoc. (Italy)	Green Hydrogen: Challenges in mobility and other emerging applications Inès Buchheit, PVF (France)	
15:00-15:30	Pathways, strategies and challenges to companies in the green Hydrogen value chain Diogo Quintão, UTIS (Portugal)	Advanced integrated energy systems for a renewable energy-based future Alfredo Ortiz, Univ. Cantabria (Spain)	
15:30-16:00	Coffee Break		
Plenary Room (Auditorium I)			
16:00-16:45	Round Table Green Hydrogen in the society: Challenges in upskilling and reskilling, vocational training and lifelong learning Representatives of companies that lectured during the day Moderator: Francesca Santoni, ENEA (Italy)		Selected e-posters from the MSc and PhD competitions will be displayed
16:45-17:15	Competition of MSc and PhD Thesis Selected presentations by authors and winner's announcement Giovanni Cinti, Univ. Perugia (Italy)		
17:15-17:30	Next day technical visit information Closure of Academy's in-room sessions (To be announced)		

FRIDAY, MAY 22	
09:00-09:15	Departure from FIL Meeting Centre (Lisbon)
10:00 - 12:00	Technical visit to the industrial facilities of HyChem, a green hydrogen producer company near Lisbon
12:00 - 13:00	Lunch
13:00-16:30	Technical visit focusing on green hydrogen mobility application in public transportation at a location near Lisbon, including meeting with Portuguese H ₂ Buses and H ₂ refueling stations manufacturers (To be fully confirmed)
14:30-16:30	Return to FIL Meeting Centre (Lisbon) Academy closure

Program subject to changes. For further details, please visit

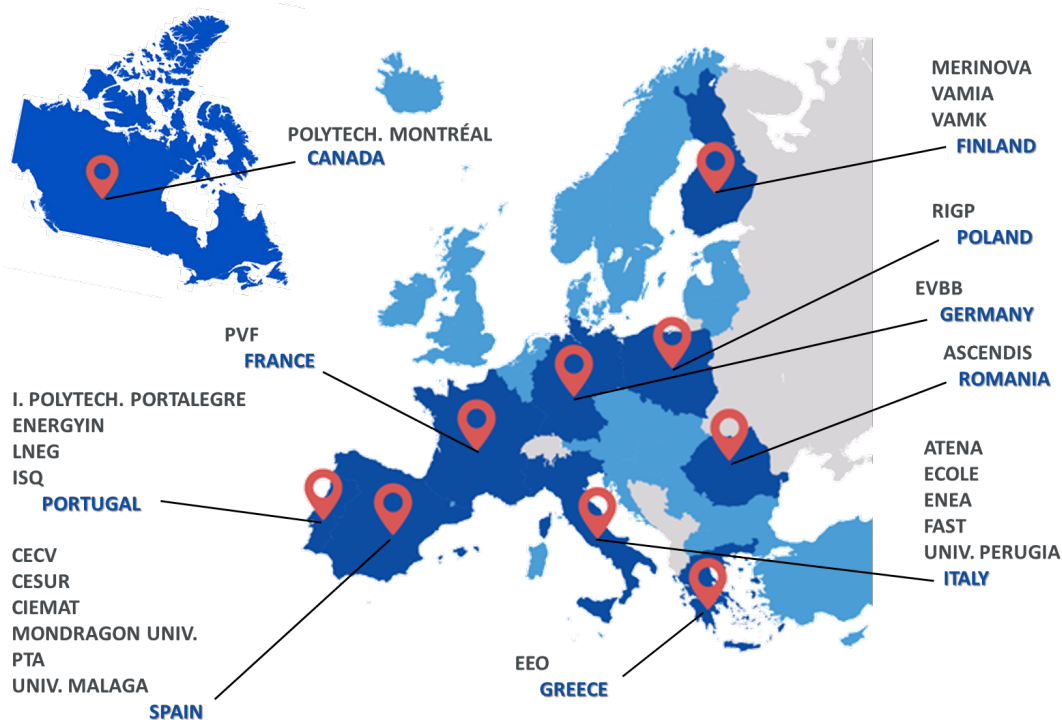
<https://www.h2academylisbon.com/program/program>

H₂Excellence Project Consortium

Project Leader:

VAMK - Vaasa University of Applied Sciences - FINLAND

Participating Institutions:



Event organized by



Lab. Nac. Energia e Geologia, I.P.
Portugal

In the framework of the
H2Excellence European Project

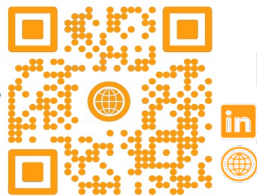


H₂Excellence

H2Excellence – Fuel Cells and Green Hydrogen
Centres of Vocational Excellence towards
affordable, secure, and sustainable Europe



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Co-Funded by
the European Union



www.h2excellence.eu

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