



Il progetto H2Excellence: sinergie e opportunità per EEN

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Angela Pulvirenti, FAST





Countries
Finland, France,
Germany, Greece, Italy,
Poland, Portugal,
Romania, Spain



H2Excellence è un progetto CoVE finanziato dal programma Erasmus+ della durata di 4 anni che coinvolge 24 partners in 9 paesi EU e in un paese extra EU (Canada)

Partner del CoVE italiano



Il modello CoVE



CoVE è l'acronimo di Centre of Vocational Excellence, un nuovo modello collaborativo destinato a cambiare in modo significativo il mondo della formazione professionale.

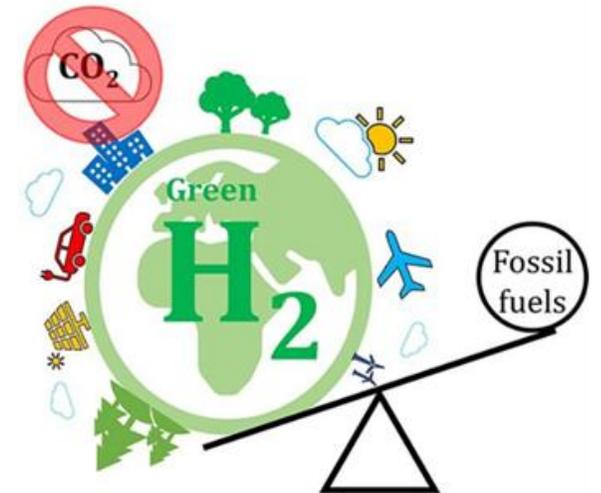
Il modello si basa su una collaborazione a tripla elica tra enti di formazione, industria e decisori politici per allineare le competenze della forza lavoro al fabbisogno dell'industria, abilitando la transizione green e digitale e l'adozione di nuove tecnologie.

Fabbisogno a cui risponde il progetto

Attraverso Next Generation EU e altri fondi dedicati l'Europa ha investito consistenti risorse sulle applicazioni dell'idrogeno verde.

Manca tuttavia una workforce adeguata per abilitare l'avvio dei nuovi impianti.

H2Excellence risponde a questa esigenza con azioni mirate alla formazione di nuove figure professionali o al reskilling delle esistenti.



Cosa offre il progetto



Formazione in modalità e-learnig su piattaforma collaborativa



Opportunità di upskilling e reskilling per le PMI



Visite tecniche nei paesi partecipanti (hydrogen valleys, flagship projects)



Eventi di networking e knowledge sharing



Opportunità di mobilità (internship aziendali)

Di particolare interesse per EEN è il programma di reskilling e upskilling per le PMI coordinato da ENEA, che prevede una serie di workshop e webinar in quattro paesi (Italia, Spagna, Portogallo e Finlandia) disponibili gratuitamente sulla piattaforma di progetto.

Training Programme for Small and Medium Enterprises (SMEs)

September 2025 – January 2026



TOPIC 2: FUEL CELL APPLICATIONS – TECHNICAL CHALLENGES AND OPPORTUNITIES

Total: 4 Workshops | Led by ATENA and ENEA (Italy)

WORKSHOP 1 – FUEL CELLS FOR CLEAN MOBILITY - ATENA (ITALY)

- Hydrogen solutions for transport decarbonization
- FCEVs: from light vehicles to heavy-duty trucks
- Infrastructure and adoption challenges
- Case studies and best practices

WORKSHOP 2 – STATIONARY FUEL CELLS IN THE ENERGY TRANSITION - ATENA (ITALY)

- Overview of stationary fuel cell technologies
- Power-to-power strategies and long-term storage
- Economic viability and enabling policies
- Case studies

WORKSHOP 3 – HYDROGEN FUEL CELLS IN MARITIME APPLICATIONS - ATENA (ITALY)

- Regulations and standards for hydrogen in shipping
- Onboard hydrogen systems
- Port decarbonization strategies
- Real-world examples

WORKSHOP 4 – COGENERATION AND HYDROGEN-BASED ENERGY SOLUTIONS FOR SMES - ENEA (ITALY)

- Introduction to hydrogen cogeneration
- Benefits in energy efficiency and sustainability
- Italian case studies and SME experiences
- Regulatory support and available funding



- Live online workshops (Teams)
- In-person sessions (when applicable)
- Offline access via the H2Excellence platform (recorded sessions with subtitles)
- Language: Presenters' native language with subtitles (EN, PT, ES, IT)

Register on the platform
to stay informed
about workshop dates



<https://h2excellenceplatform.eu>





TOPIC 1: GREEN HYDROGEN – ROADMAP, VALUE CHAIN, AND CROSS-CUTTING ISSUES

Total: 5 Workshops | Led by CIEMAT (Spain), VAMK (Finland), and LNEG (Portugal)

WORKSHOP 1 – EU HYDROGEN STRATEGY AND POLICY - CIEMAT (Spain)

- European hydrogen roadmap and institutional strategies
- Policy and funding (CDTI, IDAE, Ministry for Ecological Transition)
- Coordination of regional hydrogen clusters
- Opportunities for EU projects and cooperation

WORKSHOP 2 – RENEWABLE HYDROGEN PRODUCTION FROM RE SOURCES- CIEMAT (Spain)

- Green hydrogen production technologies
- Integration with renewables
- Industrial-scale projects and applications
- Safety in H₂ production facilities

WORKSHOP 3 – FUEL CELL GENERATION USING HYDROGEN AND BIOFUELS - CIEMAT (SPAIN)

- Fuel cell technology overview
- Applications of hydrogen and biofuels in energy generation
- R&D and industrial pilot projects
- Technological challenges and scale-up



WORKSHOP 4 – GREEN HYDROGEN IN FINLAND AND OSTROBOTHNIA- VAMK (FINLAND)

- Finnish and regional hydrogen strategies
- Hydrogen value chain overview
- Cross-cutting issues in green hydrogen
- Presentations by local SMEs: needs and challenges
- Expert-led interactive session and Q&A



WORKSHOP 5 – GREEN HYDROGEN AS AN ENERGY VECTOR - LNEG (PORTUGAL)

- Overview of green hydrogen technologies
- Levelized Cost of Hydrogen (LCOH) and calculation tools
- H2Excellence: training and upskilling opportunities for SMEs
- Portuguese regulatory framework and entities
- National programmes to support SMEs
- Presentations by Portuguese SMEs: needs and challenges



 Certificate of Participation issued by the H2Excellence Project



Prossime opportunità:

- ❖ Corsi in modalità e-learning: da ottobre su piattaforma
- ❖ Master & PHD Best Thesis Award: 19 settembre 2025, Capri – EFCH2 Conference
- ❖ Hydrogen Academy: 20-22 maggio 2026, Lisbona
- ❖ Visite ai CoVEs e alle Hydrogen Valleys: da dicembre 2025

THANK YOU!

angela.pulvirenti@fast.mi.it

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