

Clean Hydrogen Partnership Hydrogen skills development

Webinar: Jobs & Skills in Hydrogen Australian Hydrogen Council 20 September 2022

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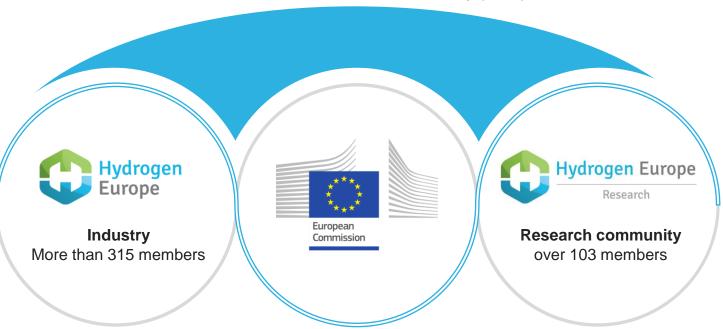
Project Officer - Clean Hydrogen Joint Undertaking





Clean Hydrogen Partnership Overview

EU Institutional Public-Private Partnership (IPPP)



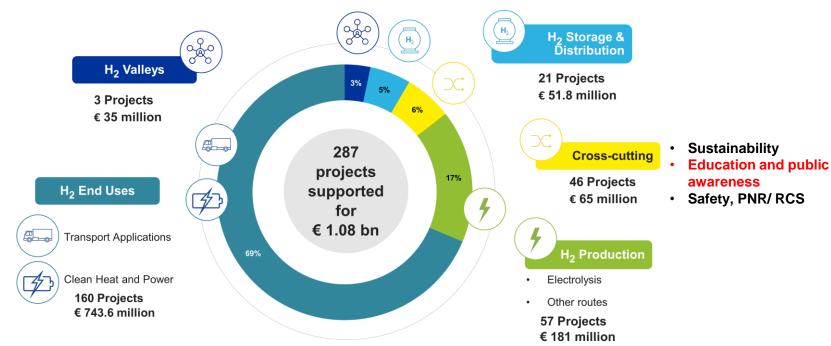
Mission: To facilitate the transition to a greener EU society through the development of hydrogen technologies **Budget**: 1 billion EURO from Horizon Europe (to commit until 2027 and implement until 2031)





Clean Hydrogen Partnership - Continuation of the FCH JU Programme implementation (*)

- Clean Hydrogen Partnership (legal name: Clean Hydrogen Joint Undertaking)
- Universal successor of the Fuel Cells and Hydrogen 2 Joint Undertaking (FCH 2 JU) and has taken over its legacy portfolio

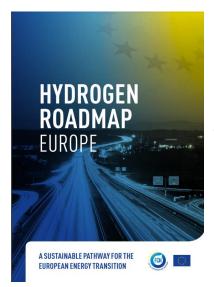




Clean Hydrogen Partnership Educational activities – Background information



"Hydrogen sector could provide sustainable employment for more than 30 million people around the world by 2050"



"Hydrogen can account for a total of 5.4 million direct jobs created by the European industry in 2050 ('ambitious' scenario)"

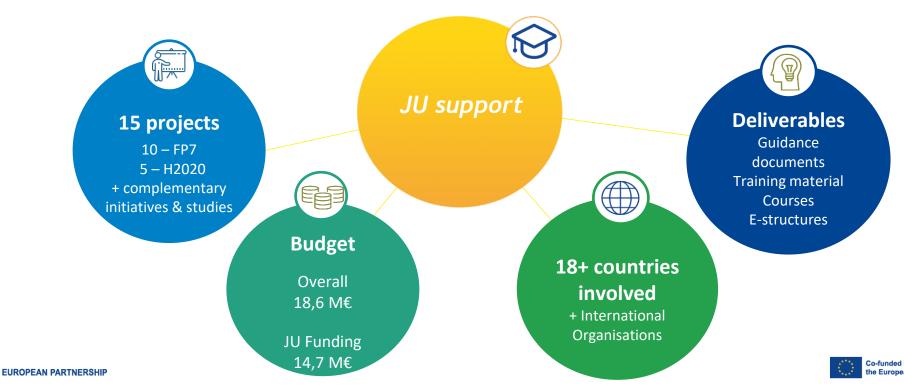


To unlock opportunities for more and better jobs, the training of a new skilled workforce as the upskill or reskill of the actual workforce in declining industries is crucial to succeeding in the needed scaling—up of this emerging industry in Europe (and worldwide), underpinning sustainable growth





A 14 years journey of the Fuel Cells and Hydrogen JU (FCH JU, FCH 2 JU)





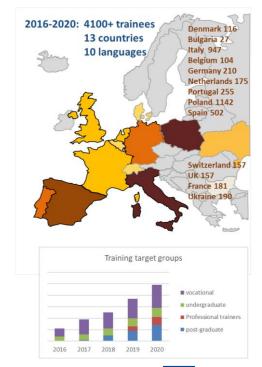
Educational and training programs tailored to multiple target groups



Multiple levels and types of education, learning formats, features...

Graduate Undergraduate ... In person training ... Serious games Mock-up installations

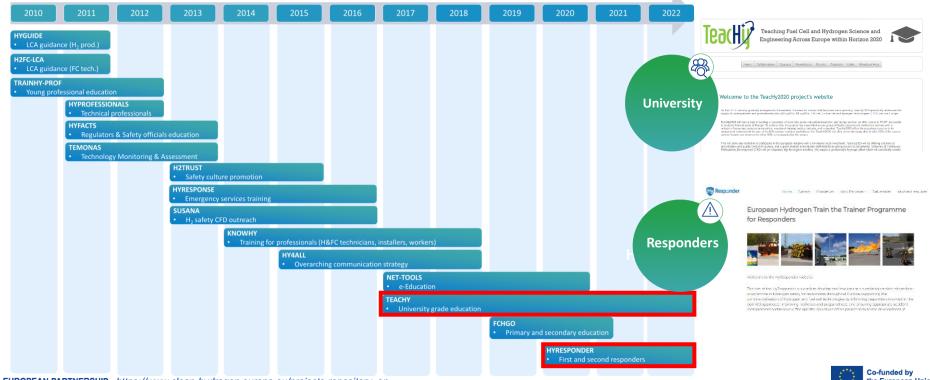
Vocational Compulsory ... e-learning blended ... Virtual reality





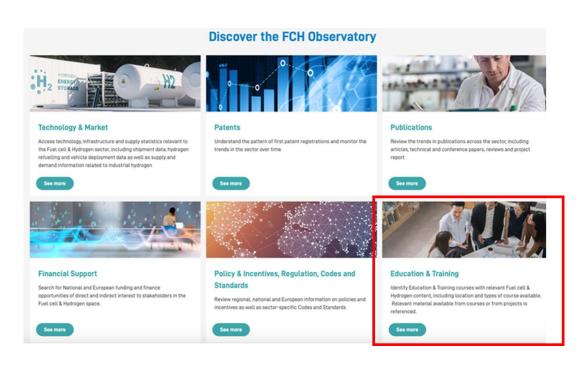


2 Projects ongoing in 2022





Fuel Cells & Hydrogen Observatory (FCHO)



What is the FCHO?

- Global resource
- User friendly and reliable output
- Charts, graphs and data downloads
- Insight reports

Includes chapters on

- Technology & Market
- Policies & regulation
- Codes & Standards
- Patents & Publications
- Funding
- Education & Training





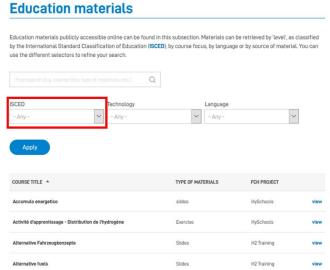
- Education and training chapter ca. 300 different training courses
- Education materials publicly accessible for learners and students interested in the field of FCH

Education materials

- Thanks to different selectors, materials can be retrieved:
 - by ISCED level
- by course focus
- by language

ISCED is the reference international classification for organising education programmes and related qualifications by levels and fields.

Production de l'hydrogène			
COURSE FOCUSED ON	TYPE OF MATERIALS	AUTHOR	LANGUAGE
H2 Production	Stides	HySchools	French
FCH PROJECT	YEAR	LAST UPDATE	WEBSITE/WEBLINK
HySchools	2019	Mon, 11/04/2019 - 12:00	Link



 FCHO reports on Education and training!







Clean Hydrogen Partnership Educational Activities – a few findings/ lessons learned



- Educational activities increase public awareness and trust, supporting the market uptake
- Industry engagement is essential what industry needs?
- CPD courses foster interaction and collaboration between industry and the academic world
- Solid and long-lasting business models for the continuity of activities after the end of the projects are still challenging





https://www.clean-hydrogen.europa.eu/









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