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## List of projects and materials Skills Working Group

### Materials and studies listed

**France Hydrogène – Livre Blanc Compétences-Métiers (2021):** study on the skills needs of French industries in the FCH sector. The document is in French but is the first national analysis to our knowledge having developed this in-depth analysis.

**Filière Hydrogène : Besoins en compétences et en formation (2019):** the analysis aims at identifying the sector of activities impacted by the development of the hydrogen sector and at understanding their skills needs. With this work, training needs should be detected. This will help designing the “Plateau technologique” that the region intends to propose to regional stakeholders.

### Projects funded by the Joint-Undertaking

- [TeachHy \(Cordis\)](#) – 2017-2022

TeachHy 2020 will take a lead in building a repository of university grade educational material, and design and run an MSc course in FCHT, accessible to students from all parts of Europe. To achieve this, the project has assembled a core group of highly experienced institutions working with a network of associate partners (universities, vocational training bodies, industry, and networks). TeachHy2020 offers these partners access to its educational material and the use of the MSc course modules available on the TeachHy2020 site. Any university being able to offer 20% of the course content locally, can draw on the other 80% to be supplied by the project.

- [HyResponder \(Cordis\)](#) – 2020-2022

The EU-funded HyResponder project will aim to ensure the safe commercialisation and use of hydrogen and fuel cell technologies. To achieve this goal, it will develop an inclusive programme comprising operational, virtual reality and educational training based on the more advanced knowledge in hydrogen safety. A Europe-wide network of responder trainers will be established to disseminate information and specialised translated materials through an e-platform and to consolidate links between hydrogen safety and responder communities.

- [FCH Observatory](#) – 2019-2022

The Fuel Cell Hydrogen Observatory (FCHO) provides data (statistics, facts and analysis) and up to date information about the entire hydrogen sector. A dedicated section focuses education and trainings and provides an overview of the topics being taught relative to the fuel cell and hydrogen area as well as educational materials developed in projects that may be of interest for learners.

- [FCH Go \(Cordis\)](#) – 2019-2021

Fostering awareness of fuel cell and hydrogen technologies in European classrooms. The objective of the EU-funded FCHgo project is to promote ecological awareness and technological knowledge of hydrogen and fuel cells by developing educational materials for teachers and students. The project



Hydrogen  
Europe



Hydrogen Europe  
Research

will create a website with a variety of engaging activities for primary and secondary schools in 10 European languages.

- [Net Tools \(Cordis\)](#) – 2017-2020

Novel Education and Training Tools based on digital applications related to Hydrogen and Fuel Cell Technology. The project NET-Tools will develop an e-infrastructure and provide digital tools and information service for educational issues and training within FCH technologies based on most recent IT tools (e-laboratory, etc.).

- [KnowHy \(Cordis\)](#) – 2014-2018

Improving the Knowledge in Hydrogen and Fuel Cell Technology for Technicians and Workers. The KnowHy project aimed at providing to the widest possible audience of technicians specific modules and practical training in an appropriate format and at affordable cost in order to facilitate the deployment of fuel cell and hydrogen (FC&H<sub>2</sub>) technologies.

- [HyResponse \(Cordis\)](#) – 2013-2016

European Hydrogen Emergency Response training programme for First Responders. The HyResponse project will establish the World's first comprehensive training programme for first responders, i.e. a European Hydrogen Safety Training Platform (EHSTP), to facilitate safer deployment of FCH systems and infrastructure.

- [TrainHyProf \(Cordis\)](#) – 2010-2012

Building Training Programmes for Young Professionals in the Hydrogen and Fuel Cell Field. The 'Building training programmes for young professionals in the hydrogen and fuel cell field' project was tasked with developing an appropriate curriculum. The resulting HFC short courses for young professionals were then run as part of the Joint European Summer School (JESS) programme.

## Projects outside the JU worth noting

- [HySkills](#), Erasmus+, focus on safety skills CPD courses, led by Dublin City College
- [HySchools](#), project developing materials for high school students
- [Joint European Summer School JESS](#)
- [H2-Training](#) – Spanish 'Leonardo da Vinci' programme project