PROJECT

FCHgo

Fuel Cells HydroGen educatiOnal model for schools

Funding: European (Horizon 2020)

Duration: Jan 2019 - Dec 2020

Status: Ongoing

Total project cost: €502,499

EU contribution: €502,499

Call for proposal: H2020-JTI-FCH-2018-1

CORDIS RCN : 221833

Objectives:

FCH have a central role to play in the development of renewable energy sources and, consequently, in the reduction of environmental damage caused by conventional energy sources such coal or oil.

A dedicated model of education is needed, especially one directed at the coming generations, in order to make the ecological thinking a fundamental part of our culture and habits, in the context of the industrial priorities in this field. Working out such forms of education is the purpose of FCHgo.

Along the project, a wide activity of dissemination of a toolkit for teachers and pupils at the primary and secondary school level will be realized, ensuring technical and pedagogical excellence.

Our methodological approach

- takes into account the cognitive tools of pupils at various stages of development;
- uses different forms of expression by employing narrative forms of communication; and
- includes the presence of stakeholders and industries active in the field, to tell the stories of successful applications and fostering careers in this field.

FCHgo will result in a set of tools, namely: an educational toolkit with narrative explanations of the technology, its functioning and applications, translated in 10 European languages; a website as connecting point for all the users and containing a wiki-space; a set of workshops in the classrooms of 6 countries, involving pupils from 8 to 18 to test and improve upon the materials and set the indicators for the activities' evaluation; the first edition of an annual award to the best idea/solution to employ FCH, including an award ceremony; a final guideline describing an educational program delivery model, linked to priorities defined by industry.

Parent Programmes:

H2020-EU.3.3. - Horizon 2020: SOCIETAL CHALLENGES - Secure, clean and efficient energy
H2020-EU.3.3. - Horizon 2020: SOCIETAL CHALLENGES - Secure, clean and efficient energy
H2020-EU.3.5. - Horizon 2020: SOCIETAL CHALLENGES - Climate action, Environment, Resource Efficiency and Raw Materials
H2020-EU.3.3. - Horizon 2020: SOCIETAL CHALLENGES - Secure, clean and efficient energy
H2020-EU.3.4. - Horizon 2020: Smart, Green and Integrated Transport

Institute type: Public institution

Funding type: Public (EU)

Other programmes: FCH-04-4-2018 Strengthening public acceptance and awareness of FCH-technologies by educating pupils at schools

Lead Organisation:

Universita Degli Studi Di Modena E Reggio Emilia

Address:

VIA UNIVERSITA 4
41121 MODENA
Italy

Organisation Website:
http://www.unimore.it

EU Contribution: €153,270

Partner Organisations:

Ineuropa Srl

Address:
VIA GIARDINI 476-N
41126 MODENA
Italy

EU Contribution: €70,000

Danmarks Tekniske Universitet

Address:
Anker Engelunds Vej
DKN/A2800 Kgs. Lyngby
Denmark

Organisation Website:
http://www.dtu.dk

EU Contribution: €59,408

Uniwersytet Mikolaja Kopernika W Toruniu

Address:
UL. JURIJA GAGARINA 11
87100 TORUN
Poland

Organisation Website:
http://www.umk.pl

EU Contribution: €69,168

Zurcher Hochschule Fur Angewandte Wissenschaften

Address:
Gertrudstrasse 15
8401 Winterthur
Switzerland

EU Contribution: €60,004

Technologies:

Unclassified
Non-technology

STRIA Roadmaps: Transport electrification

Transport mode: Multimodal transport

Transport sectors: Passenger transport, Freight transport

Transport policies: Societal/Economic issues

Geo-spatial type: Other