

HYRESPONDER

EUROPEAN HYDROGEN TRAIN THE TRAINER PROGRAMME FOR RESPONDERS



Project ID	875089
PRR 2024	Pillar 5 – Cross-cutting
Call topic	FCH-04-1-2019: Training of responders
Project total costs	EUR 1 000 000.00
Clean H ₂ JU max. contribution	EUR 1 000 000.00
Project period	1.1.2020–31.5.2023
Coordinator	University of Ulster, United Kingdom
Beneficiaries	Association Comité National Français du Comité Technique International de Prévention et d'Extinction du Feu, Ayuntamiento de Zaragoza, Commissariat à l'énergie atomique et aux énergies alternatives, Crisis Simulation Engineering SARL, Deutsches Zentrum für Luft- und Raumfahrt EV, DLR-Institut für Vernetzte Energiesysteme EV, École nationale supérieure des officiers de sapeurs-pompiers, Fire Service College Limited, International Fire Academy, L'Air Liquide SA, Landes-Feuerwehrverband Tirol, Ministry of the Interior of the Czech Republic, Persee, Service Public Fédéral Intérieur, Università degli Studi di Roma 'La Sapienza', Universitetet i Sørøst-Norge

<https://hyresponder.eu/>

PROJECT TARGETS

Target source	Parameter	Unit	Target	Achieved to date by the project	Target achieved?
Project's own objectives	Materials translated into eight languages	number	8	8, but not all elements	✓
	Threefold training materials (lectures, operational training, VR)	number	3	3	
	e-Platform for responders	number	1	1	
	Train-the-trainer activities for all trainers and 10 national training events	number	12	12	
	Revised <i>European Emergency Response Guide</i>	number	1	1	

PROJECT AND GENERAL OBJECTIVES

The aim of Hyresponder was to develop and implement a sustainable trainers' programme on hydrogen safety for responders throughout Europe. The updated operational, virtual reality and educational training reflects state-of-the-art hydrogen safety. The *European Emergency Response Guide* has been revised. Translated materials for responders are available in eight languages via a purpose-built e-platform. The translated materials will be utilised by trainers to deliver workshops and impact training nationally in 10 European countries, enhancing the reach of the programme.

NON-QUANTITATIVE OBJECTIVES

- Hyresponder aimed to embed elements of the training at the national level. Each country has a short- to medium-term plan to maximise the impact during and beyond Hyresponder.
- The project aimed to develop a formal module/certificate. A draft document has been prepared with the key learning outcomes, content, etc., which will be trialled by some partners during national training.
- It aimed to develop training packages at different levels. Stratified educational materials are now available.

PROGRESS AND MAIN ACHIEVEMENTS

- A beta version of the Hyresponder e-platform with stratified training materials and tools is available online.
- Responder trainers from 10 partner coun-

tries have been trained in hydrogen safety.

- Novel online training sequences have been developed to support the remote training of responders.
- Three activities have been evaluated by the Innovation Radar: the e-platform to support training of responders in hydrogen safety (<https://www.innoradar.eu/innovation/44458>), stratified training materials for responders spanning four learning levels (<https://www.innoradar.eu/innovation/44457>) and the novel training sequences to support online training of responders (<https://www.innoradar.eu/innovation/44454>). In addition, translated material is now available on the e-platform under 'Training materials'.
- Hyresponder delivered regional workshops.
- The project completed the translation of training materials.
- Hyresponder demonstrated the project's impact within each country. Each partner had a plan to ensure that the Hyresponder training had an impact within and beyond the project.
- Within Hyresponder, trainers from across Europe have undertaken online (June 2021) and operational (June 2022) training. In turn, the trainers have used this training to deliver training in their regions, as part of Hyresponder, but also to ensure a plan is in place beyond the project.

FUTURE STEPS AND PLANS

The project has finished.