HyResponder

Project Overview

SAB folder
Introduction

• European Hydrogen Train the Trainer Programme for Responders
• 3 year project, funded by FCH JU (Jan 20 – Dec 22)
• 16 Partners from 10 European countries (with wider input)
• **Scope for those outside the project to get involved through national clusters, and the ePlatform**
Develop and implement a **sustainable** trainer the trainer programme in hydrogen safety for responders throughout Europe, supporting the commercialisation of FCH technologies by informing the participation of responders in the initial permitting process, improving resilience and preparedness through enhanced emergency planning, and ensuring appropriate accident management and recovery.
Objectives (1/3)

Using HyResponse as a basis:

1. Identify intervention strategies and tactics for Liquefied Hydrogen (LH₂) applications, and reflect these in teaching activities.

2. Develop clear, updated, operational, virtual reality, and educational training for trainers of responders to reflect the state-of-the-art in hydrogen safety.

3. Establish a Pan-European Network of Responder Trainers with members from at least 10 EU countries. (this can be wider)

4. Train trainers from at least 10 European Countries in hydrogen safety pertinent to responders
5. Reflect national specificities in teaching materials and make available in **8 languages**. *(Czech, Dutch, English, French, German, Italian, Norwegian, and Spanish)*

6. Support newly trained trainers to deliver regional workshops for responders in at least 10 countries

7. Underpin the safe deployment of FCH technologies and infrastructure through the provision of **hydrogen safety specific training for responders**, 

8. Enhance emergency planning and preparedness relating to hydrogen technologies and infrastructure, and reduce the risk of related incidents or accidents through the training of trainers and responders
9. Ensure sustainability of the training programme through the availability of translated materials on an educational platform.

10. Update the European Emergency Response Guide, previously developed within the HyResponse to reflect advancements in the state-of-the-art.

Currently updating teaching materials for June 2021 training

Revision of the International Curriculum on Hydrogen Safety for Responders

- Tools for the assessment of hazards and risks
- Lectures and presentations
- Virtual reality training materials
- European Emergency Response Guide
- Operational training

Integration of training materials into NET-Tools e-Platform
European Hydrogen Train the Trainer Programme for Responders

National networks

Austria
Belgium
Czech Republic
France (2)
Germany
Italy
Norway
Spain
Switzerland
United Kingdom

Supporting across
European Hydrogen Train the Trainer Programme for Responders

Get involved

• National networks
  • national workshops will run June 2021 – Sept 2022

• Wider stakeholder involvement

• ePlatform

• https://hyresponder.eu/

• Sl.brennan@ulster.ac.uk
This project has received funding from the Fuel Cells and Hydrogen 2 Joint Undertaking (JU) under grant agreement No 875089. The JU receives support from the European Union’s Horizon 2020 research and innovation programme and United Kingdom, France, Austria, Belgium, Spain, Germany, Italy, Czechia, Switzerland, Norway.