

HyQuality Europe

Hydrogen Quality Assurance in Europe



Key Facts



Funding Agency
Clean Hydrogen Partnership



Project Call
Horizon-JTI-clean H2-2022



Duration
01/2023 - 12/2025



Coordinator
SINTEF



Partners



Website
<https://hyqualityeurope.eu/>

Project Objectives

The project related to hydrogen mobility aims at outstanding achievements on hydrogen quality assurance in Europe to increase the reliability of hydrogen refueling stations (HRS), and the confidence of investors, operators and consumers. HyQuality Europe project consortium, that gathers 12 partners, is composed of qualified researchers from academia and industries from 6 European countries. The main objectives of the project are:

- » The collection of representative data of European HRS hydrogen quality
- » The development of an occurrence class representing the EU market and promote the risk assessment approach
- » The establishment of an open-source database to compile the results from the hydrogen sampling and analysis
- » The test of a network of six hydrogen analysis laboratories to certify them at the European level
- » The demonstration of online analysis to guide future research efforts in this area
- » The standardization of hydrogen quality sampling and analysis methodologies for EU HRS.

Different upcoming events



EIFER's Contribution

- EIFER is contributing to the implementation of an online monitoring system at the refuelling station from Hynamics in Auxerre
- EIFER is taking part on the work packages related to the database implementation as well new impurities detection
- EIFER is leading the work package on communication and dissemination
 - Reaching key stakeholders with lessons learnt, recommendations from the projects and adoption of risk assessment approach to ensure H2 quality assurance

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