METROLOGY FOR THE HYDROGEN SUPPLY CHAIN (MET4H2)

MET4H2

PROJECT OBJECTIVES

The overall objective of the project is to further develop and integrate the metrology necessary to support the entire supply chain of hydrogen, from production to storage and end use. The project will deliver novel standards and methods for leak flow measurement, material compatibility testing, and odorization of hydrogen-enriched natural gas (HENG) and hydrogen.

PROJECT PARTNERS

OUTCOMES AND IMPACT

The MET4H2 project will:

- Support industrial and other user communities in the hydrogen supply chain from hydrogen production to transport and end use
- Develop, optimise and compare traceable measurement standards and methods for hydrogen
- Provide enhanced guidance for calculating the total quantity, energy and impurity exposure of supplied or received gas and good practices in taking into account the dynamics of the gas grid and gas properties
- Contribute to longer-term economic, social and environmental impacts by providing the tools to adapt the measurement infrastructure to distributing HENG in the first instance, and hydrogen at a later stage

EURAMET

The project has received funding from the European Partnership on Metrology, co-financed by European Union Horizon Europe Research and Innovation Programme and from the Participating States.