

# THOTH2



## NOVEL METHODS OF TESTING FOR MEASUREMENT OF NATURAL GAS AND HYDROGEN MIXTURES

### Project Objectives



Define standards to evaluate the metrological performances of measuring devices at different H<sub>2</sub> blending rates (up to 100%)



Verify safety and durability of the same devices



Suggest future needs to overcome the observed barriers and limitations

**THOTH2 aims to design dedicated methodologies to test different types of measuring devices installed in the gas transmission and distribution grids.**

The THOTH2 consortium, composed of gas TSOs, DSOs, metrological and research institutes, as well as academia, will work to analyse hydrogen blending potential in natural gas networks, supporting the decarbonisation of the European Energy system.

[www.thoth2.eu](http://www.thoth2.eu)

### Ambitions of the project

THOTH2 aims to cover the normative and standards gaps relating to methodologies and protocols for evaluating the performance and identifying the limits and tolerances of State of the Art measuring devices in transmission and distribution systems when carrying H<sub>2</sub>NG mixtures or pure H<sub>2</sub>. THOTH2 will design dedicated methodologies to test different types of measuring devices (gas meters, gas volume conversion devices, pressure and temperature transducers, gas quality analysers, and gas leak detectors) at different operative conditions.



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