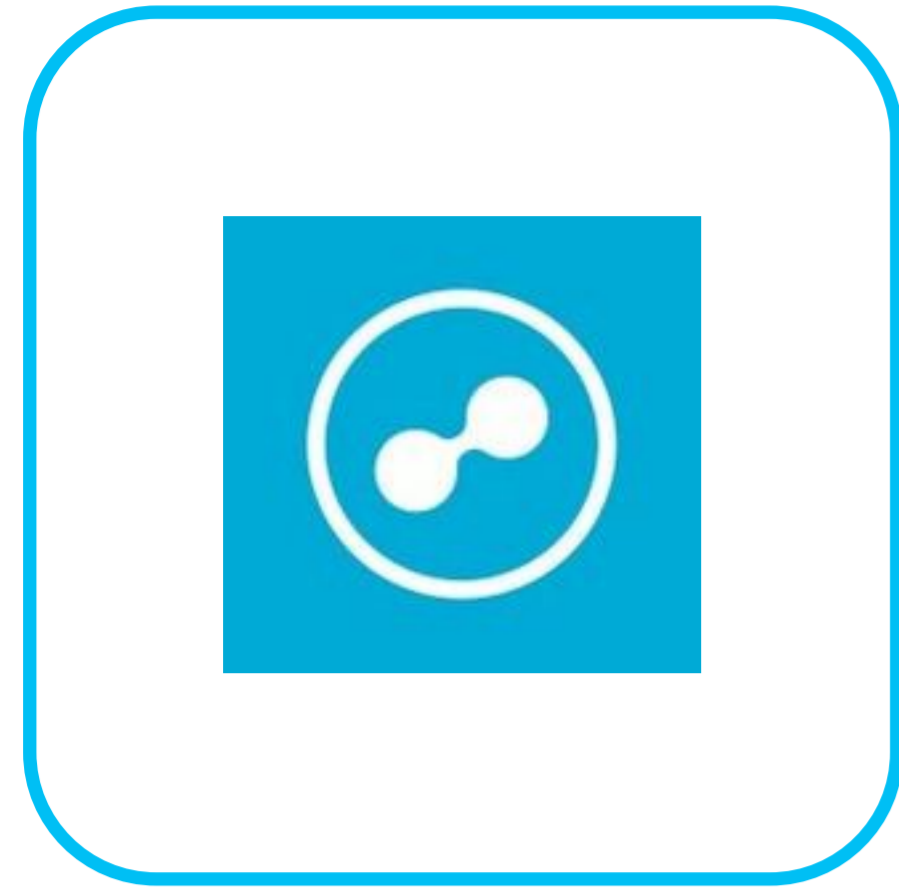


Keywords:
#standardisation, #hydrogen, #ammonia,
#cleanenergy, #ISO, #CEN



SINGLE – Setting the Standard for Ammonia in the Hydrogen Value Chain

The project standardisation needs

SINGLE is a pioneering project focused on exploring ammonia's role within the hydrogen value chain, addressing its potential as a carrier in clean energy systems. As a highly experimental initiative, SINGLE required guidance on navigating the complex and evolving standardisation landscape for hydrogen and ammonia technologies.

The project aimed to establish a strategic approach to standardisation, ensuring its outcomes could inform and align with emerging standards. Specific objectives included identifying relevant standards for ammonia and hydrogen, mapping the EU legislative framework, and engaging with key technical committees such as ISO/TC 197 (Hydrogen Technologies) and CEN/CLC/JTC 6 (Hydrogen in Energy Systems). SINGLE also sought support to collaborate with other experimental projects, leveraging lessons learned to refine its approach and contribute to new or revised standards.



THE HSBOOSTER.EU EXPERT

Paola Amato

Architect and Standardisation Expert

"SINGLE well demonstrates how development of highly experimental technologies needs acquiring knowledge over complex and evolving standardisation policies promoted by the EC."



PROJECT REPRESENTATIVE

Ruth Moya

Project Engineer at GÉcrio

"HSBooster provided invaluable guidance at the start of our project, offering insights into regulations, regulatory committees, and relevant standards. Their support helped us craft a detailed plan of standardisation activities, ensuring alignment with existing standards and preparation for those critical to deploying and implementing our project outcomes."

The HSbooster.eu Consultancy service

HSbooster.eu provided critical support to SINGLE, starting with the development of Deliverable 7.4, a comprehensive plan for standardisation activities. The consultancy offered expert guidance on structuring the deliverable and provided resources to deepen the project's understanding of the EU legal framework and standardisation processes. This foundational work ensured a strong basis for the project's ongoing engagement with standardisation organisations. To address the project's needs, HSbooster facilitated the identification of relevant standards and technical committees, highlighting areas where SINGLE could make impactful contributions. Recommendations included strategic actions for engaging with ISO/TC 197 and CEN/CLC/JTC 6, as well as opportunities to propose new standards related to ammonia as part of the hydrogen value chain. The expert also identified training opportunities through the HSbooster Academy, helping project partners enhance their knowledge of standards and their role in clean energy transitions.