

HYDROGEN BREAKTHROUGH: “H1” PRIORITY INTERNATIONAL ACTION FOR 2023

Priority International Action	How this will be taken forward	Coordinating initiative(s)	Collaborating governments
<p><i>Breakthrough Agenda Report Recommendation: Governments and companies should agree a comprehensive portfolio of international standards and associated certification schemes for renewable and low carbon hydrogen, addressing emissions accounting, safety, and operational issues, including leakage. This should be supported by a programme that provides a clear direction and sufficient resources to relevant technical bodies. This will be vital for supporting a series of other actions, most notably high-quality demand commitments and trade agreements.</i></p>			
<p>H1. Standards & Certification: Accelerate and expand a coordinated programme of work to develop a comprehensive portfolio of international renewable and low carbon hydrogen standards and to facilitate associated certification schemes. The programme should be fully resourced and underway by COP28 with progress reported annually at subsequent COP summits.</p>	<p>By mandating and providing active support to leading initiatives to plan, resource and deliver a comprehensive collaborative programme.</p> <p>The programme will be scoped and coordinated by the IPHE, working in consultation with other key hydrogen initiatives and in collaboration with relevant standards institutes, with specific technical workstreams, analysis and broad country and stakeholder engagement supported by IEA’s Hydrogen TCP and IRENA. The programme should include standards for a range of topics including emissions accounting, safety, and operational issues and should pull together and connect existing work, addressing gaps and resource needs.</p>	<p>International Partnership for Hydrogen and Fuel Cells in the Economy (IPHE)</p> <p>International Energy Agency (IEA)’s Hydrogen TCP</p> <p>International Renewable Energy Agency (IRENA)’s Collaborative Framework on Green Hydrogen</p>	<p>Australia Cambodia Canada European Commission Finland France Germany Guinea Bissau Ireland Italy Japan Netherlands Norway Panama Spain Sweden United Kingdom United States</p>