

European Clean Hydrogen Alliance



Declaration of the European Clean Hydrogen Alliance

Objectives

Working towards the objective of climate-neutrality in the EU by 2050, the European Clean Hydrogen Alliance aims at developing and deploying hydrogen¹ as a viable and competitive energy carrier in Europe. The Alliance supports the implementation of the hydrogen strategy for a climate-neutral Europe, by working towards developing a full and accessible EU wide hydrogen value chain. This will be achieved, among others, through an investment agenda and a pipeline of projects, as well as through mobilising resources and actors to install at least 6 GW of renewable hydrogen electrolyzers in the EU by 2024 and 40 GW of renewable hydrogen electrolyzers by 2030.

The European Clean Hydrogen Alliance is built upon the principles of openness, partnership, inclusiveness, diversity and transparency.

The Alliance is open to all stakeholders who want to engage and contribute to the deployment of renewable and low-carbon hydrogen in terms of supply, demand and distribution, as well as those who will use renewable and low-carbon hydrogen to decarbonise industrial processes and economic sectors as a whole.

The European Clean Hydrogen Alliance provides a forum that coordinates and maximises the impact of joint actions and projects by engaging all stakeholders in the hydrogen value chain, including industrial actors, Member States and regions, trade unions, civil society, innovators, research and technology organisations, investors and NGOs.

Working methods

Any European organisation with activities of significant relevance for renewable and low-carbon hydrogen can join the Alliance at any time by signing up to this Declaration. To this purpose, an invitation to participate is continuously available on the European Commission's website [<https://ec.europa.eu/growth/industry/policy/european-clean-hydrogen-alliance>].

The European Commission will organise a Hydrogen Forum at least once per year as plenary assembly for all participants of the Alliance to enhance collaboration, bring together the different perspectives of stakeholders and maintain the dialogue with the European Commission.

The operational work of the Alliance will be organized in thematic roundtables for the industrial pillars of the hydrogen ecosystem: clean hydrogen production; clean hydrogen transmission & distribution; clean hydrogen in industrial applications; clean hydrogen for mobility; clean hydrogen in the energy sector; and clean hydrogen for residential applications. Invitations to register to these roundtables will be available on the European Commission website. These roundtables will be open

¹ This includes hydrogen produced from renewable sources and, during a transition period, low-carbon hydrogen (fossil-based with carbon capture as well as electricity based hydrogen) with significantly reduced full life-cycle greenhouse gas emissions compared to existing hydrogen production. The priority for the long term will be to develop renewable hydrogen.

for participation by all relevant stakeholders, such as industrial companies, Member States and regions, civil society, trade unions, research and technology organisations and investors.

The European Commission will ensure transparency by disseminating information about meetings and major outcomes on its website.

The European Commission will monitor the progress of the Alliance with a view to its climate-neutrality objectives and investment agenda and act as a facilitator towards cooperation and engagement of all stakeholders.

To this end, the European Commission will organise regular high-level progress meetings with representatives of the European Clean Hydrogen Alliance to steer the coordination between the various work streams and to ensure overall progress. The European Commission will ensure a balanced representation of all stakeholders.

Deliverables

The key aim of the European Clean Hydrogen Alliance will be to identify and build up a pipeline of viable investment projects along the hydrogen value chain, with a view to shift away from fossil fuels, create a clean hydrogen market contributing to growth and jobs, and reduce greenhouse gas emissions.

The Alliance will build on the EU leadership in hydrogen technologies, notably on electrolysers, hydrogen refuelling stations and megawatt-scale fuel cells, to bring promising technologies to an industrial scale for a dynamic hydrogen ecosystem in the EU. This will be done in close cooperation with relevant EU partnerships in the area of research, development and innovation.

The European Clean Hydrogen Alliance will aim at an investment agenda for an ambitious deployment of renewable and low-carbon hydrogen technologies and solutions until 2030, taking into account the pathways for the various industrial pillars of the hydrogen ecosystem and the interdependence between supply and demand.

Where relevant to its work in identifying and building up a pipeline of viable investment projects, the Alliance can flag obstacles and bottlenecks for the scaling up of clean hydrogen and provide input to the work on standardization and research and innovation priorities.