

## KEY FACTS AND FIGURES



The 2021 project pipeline included 750 projects for a total capacity of **50 GW** by **2030**.



Following the 2022 update, the pipeline now counts more than 840 projects, with capacity that could reach **67 GW** by **2030**.



2 waves of important projects of common European interest (IPCEI) received approval for public funding amounting to over

**€10 billion in 2022.**



# European Clean Hydrogen Alliance

H<sub>2</sub>



© European Union, 2022

Images © Adobe Stock, Icons © Flaticon

PDF ISBN: 978-92-76-58104-8 doi: 10.2873/424336 ET-04-22-131-EN-N



European  
Commission

# The European Clean Hydrogen Alliance was set up in July 2020 by the European Commission.

H<sub>2</sub>

*"The European Clean Hydrogen Alliance is instrumental in bringing hydrogen from lab to market. It facilitates partnerships and collaboration, fosters European investments and helps create a favourable regulatory environment for clean hydrogen production and deployment."*

Thierry Breton, Commissioner for Internal Market

## ACHIEVEMENTS

- The Alliance **report on barriers to the large-scale deployment of clean hydrogen** in the EU and related mitigation measures, leading to the creation of two working groups on hydrogen standards and permitting procedures.
- The Alliance report on the **permitting of hydrogen projects** and related policy recommendations.
- An **ambitious pipeline of more than 750 viable investment projects** for the large-scale deployment of renewable and low-carbon hydrogen to facilitate the creation of European hydrogen value chains by profiling projects with investors and stakeholders. Following the **2022 update of this pipeline, the total number of projects is now more than 840!**
- An **Electrolyser Partnership**, to increase ten-fold the EU's electrolyser manufacturing capacity by 2025 to ensure that the EU produces 10 million tonnes of renewable hydrogen by 2030.

## GOALS

- Deploy renewable hydrogen at large scale by 2030
- Shift away from fossil fuels
- Decarbonise otherwise hard-to-abate energy-intensive industries and modes of transport
- Reduce the EU's dependence on Russian gas

## MEMBERS

- Over 1,650 members from industry, civil society, public authorities, research institutes, and investors.
- These members are committed to the green transition of the EU economy.
- They represent the entire **hydrogen value chain, covering renewable and low-carbon hydrogen, from production to transmission to its end-uses in mobility, industry, energy, and heating applications.**

## GOVERNANCE

- **Members meet twice per year in the Hydrogen Forum.**
- **The Alliance's roundtables** cover the different parts of the hydrogen value chain.
- **Two working groups** focus on **hydrogen permitting** and **hydrogen standards.**
- The **Electrolyser Partnership** consists of Alliance members from the electrolyser value chain.

### European Clean Hydrogen Alliance

Kick starting the EU Hydrogen Industry to achieve the EU climate goals

#### Hydrogen Forum

**Roundtables** (covering different parts of the hydrogen value chain)

**Working Groups** (standards and permitting)

**Electrolyser partnership** (NEW)