

Helping Europe's regions grow their hydrogen economies



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Since 2017, the Clean Hydrogen Partnership has been working with European regions to develop their hydrogen economies. This support takes various forms. It includes the promotion and funding of hydrogen valleys, the establishment of a project development assistance facility and synergies with regional managing authorities.

Several support mechanisms

Hydrogen is key to shaping the green transition. The Clean Hydrogen Partnership has been awarding grants to hydrogen valleys across Europe, a contribution to the EU's REPowerEU plan.

The European Commission allocated to the Clean Hydrogen Partnership an additional EUR 200 million through REPowerEU to double the number of Hydrogen Valleys in Europe by 2025. The aim is to scale up green hydrogen production to meet the growing demand.

In addition, funding for the Hydrogen Valley Platform supports the Clean Hydrogen Mission, which aims to reduce hydrogen costs by facilitating the delivery of 100 large-scale hydrogen valleys worldwide by 2030. The platform provides information on existing valleys to inspire the creation of new ones.

Meanwhile, the project development assistance facility (PDA) is helping regions with limited hydrogen deployment to formulate project plans. Furthermore,

the partnership has signed agreements to develop structured and tailored cooperation plans with regional authorities.

Building on past work

Clean Hydrogen Partnership's grants have been building on support provided under the FCH-Regions initiative and the European Hydrogen Valleys Partnership, which led to the development of flagship projects like HEAVENN and Green Hysland.

The pilot phase (2019 to 2021) of the PDA mainly targeted central and eastern Europe. The second phase was aimed at islands, outermost regions and regions receiving cohesion policy assistance. A planned Hydrogen Valleys Facility will accelerate the creation of hydrogen valleys through continued PDA support.

At the same time, cooperation with regional authorities will focus on research and innovation, capacity building, knowledge transfer and funding.

TOWARDS DECARBONISATION

Hydrogen is a vital element in the green transition, and the Clean Hydrogen Partnership helps European regions develop their hydrogen economies and reach decarbonisation and growth goals.

DE-RISKING HYDROGEN PROJECTS

Clean Hydrogen Partnership support enables regions to put their project ideas into practice. This boosts the hydrogen economy by helping to integrate sectors consuming energy with the energy production industry within a regional set-up, reducing the risk inherent in launching projects.

The goal? It is essential to accelerate the green transition at regional level by replacing natural gas, coal and oil with renewable hydrogen in various sectors.

Key results? The partnership has helped to expand hydrogen valleys and foster global partnerships, leading to clean, sustainable energy.



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 Clean Hydrogen Partnership

KEY ACHIEVEMENTS

16 HYDROGEN VALLEYS
supported in 15 European countries

EUR 1 BILLION TOTAL INVESTMENT
in the 16 valleys

13 NEW HYDROGEN VALLEYS
allocated grants in 2022 and 2023

11 REGIONS
supported under the pilot PDA

14 REGIONS
in 9 countries supported
under PDA 2

10 MEMORANDA OF COOPERATION
with managing authorities
to foster synergies

OVER 60 EUROPEAN HYDROGEN VALLEYS
listed on the Hydrogen Valley Platform

IMPACTS

ENTIRE VALUE CHAIN
is covered from production
to distribution.

TRANSPORT, INDUSTRY AND HEATING
are among the targeted sectors.

OVER 200 MW
of electrolyser capacity is planned.

EUR 45.6 MILLION
is to be directed to 67 SMEs.

ADDITIONAL FUNDING
is available for valleys
via national calls.

900 MW
of energy capacity is to be
developed via PDA 2.



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the European Union