

# **Update: Clean Hydrogen Mission**

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## Clean Hydrogen Mission Pillars



## Clean Hydrogen Mission

- The goal of the Clean Hydrogen Mission is to increase the cost-competitiveness of clean hydrogen by reducing end-to-end costs to a tipping point of 2 USD/kg by 2030.
- The Clean Hydrogen Mission Action Plan 2022-2024 is published to stimulate greater international cooperation on clean hydrogen technology and industrial processes

### Pillar 1: Research &Development

3 Working Groups:

Distribution; End-Use)

Production; Storage and

## Pillar 2: Demonstration

- 100 H2 Valley Project

Ideas by 2023

- H2 Exchange Program

### Pillar 3: Enabling Environment

3 Working Groups:

Regulation / Codes and

Standards / Finance

## Members



#### CLEAN HYDROGEN MISSION

## Pillar 1: R&I

- Focus of Pillar 1: Innovation in technologies and industrial processes that unlock cost reductions of hydrogen
- Working groups on "Production" & "End Use Application" meet regularly
- Working Group "Storage & Distribution":
  - Launch of global best-case studies platform on "Storage and Distribution of Hydrogen" (CSIRO Australia)
  - Workshop topics:
    - Blended hydrogen pipeline
    - Pure Hydrogen Pipeline distribution
    - Underground Storage



## Pillar 2: Demonstration



- Successful relaunch of the <u>Hydrogen Valley</u> Plattform:
  - 83 Hydrogen Valleys on the platform
  - New functionalities such as the Members Area
  - Challenge: achieve a better global representation

# Pillar 2: Hydrogen Exchange support to non-MI countries to develop Hydrogen Valleys

- Country support to identify the tools for a successful energy transition
- Series of 6 workshops are held in collaboration with OLADE (Latin American Energy Organization). Tremendous interest (Ø 400 participants)
- Topics are: 1) Best practice examples 2) Regulatory Framework & Certification 3)
   Project Financing 4) Skill Development 5) Technological components and 6)
   Transport of hydrogen









## Pillar 3: Enabling Environment

- Focus of Pillar 3: Cooperation with other initiatives to identify and overcome deployment barriers, e.g. standards, regulations, demand-pull
- Working group on "Finance" has started and had a session focusing on the finance of Hydrogen Valleys.

#### CLEAN HYDROGEN MISSION

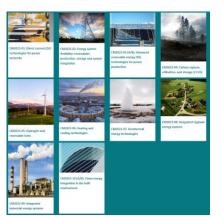
# CETPartnership Joint Call 2023 MI stimulating joint research projects

- The second annual co-funded call under the CETPartnership is open: closing 22 Nov 2023 I 14.00 CET.
- The Call has a call module on Hydrogen and Renewable Fuels with following research areas
  - New or improved processes for hydrogen production (targeting a maximum emission of 3 kg CO2eq/kg H2 following the EU taxonomy)
  - Storage of hydrogen through ammonia or other hydrogen liquid carriers
  - Infrastructure and distribution aspects, including pipeline reuse and cost competitive materials for pipelines

    Opening for pre-proposal submission (Stage 1)
    20 September 20 Septem
  - End-use applications

Opening for pre-proposal submission (Stage 1)	20 September 2023
Deadline for pre-proposal submission	22 November 2023, 14:00 CET
Opening for full proposal submission (Stage 2)	25 January 2024
Deadline for full proposal submission	27 March 2024, 14:00 CET
Funding decision communicated	End of June 2024
Project start	1 September-15 December 2024

More information and requirements: https://www.cetpartnership.eu/calls/joint-call-2023



#### Launch of Mission innovation

#### For more information:

- http://www.mission-innovation.net/missions/hydrogen/
- https://explore.mission-innovation.net/mission/clean-hydrogen/

Info about events, please follow us on linkedin

https://www.linkedin.com/company/89636628/

### For questions:

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