



International Partnership
for Hydrogen and Fuel Cells
in the Economy

Clean Hydrogen Mission Innovation

41st IPHE Steering Committee Meeting

19 - 20 March 2024

New Delhi, India

H3. Research & innovation



Priority Action

Drive a significant increase in the number and geographical distribution of new, innovative hydrogen research and demonstration projects across a diversity of hydrogen's high-value end use sectors, backed by mechanisms to broaden and more rapidly share learnings from projects. Progress to be reported on by COP29.



How this will be taken forward

By joining and/or increasing support for and engagement with the Mission Innovation Clean Hydrogen Mission's goals and the work of IEA's Hydrogen and Fuel Cells TCPs to deliver a wider portfolio of Hydrogen Valleys, supported by expanded R&D programmes and strengthened sharing of learning from those projects.

Coordinating initiatives

- MI Clean Hydrogen Mission
- IEA's Hydrogen and Fuel Cells TCPs

Key steps and milestones in 2024

- Continuation working groups to **identify R&I needs and best practices** on 'hydrogen production', 'distribution and storage', 'End-use off road applications' (Q1-4). Potential new group on 'End-use steel' (Q2)
- Joint Workshop at CEM/MI ministerial on **global R&I needs** for clean hydrogen from production to end-use (Q3)
- Joint call for hydrogen R&I projects in place via CET Partnership with commitment of national funding programmes (launch Sept 2024)
- Short report providing oversight hydrogen R&I activities (December 2023)
- Set up Task group 'Future demand in Industry' and presentation workplan in collaboration with MI Net Zero Industries (Q1/Q2)
- Identification of and support to 100 Hydrogen valleys (continued 2023)
- **Hydrogen Exchange** (increasing global interest – Latin-America (continued) – Africa (new))
- **Knowledge exchange** – 6 workshops on regulatory issues/finance/standards to enable **demonstration actions and hydrogen valleys**
- Increase industrial engagement



COP29 Deliverables:

- Short stock take report 'Towards 100 Hydrogen Valleys - 2024'
- **Launch of first global R&I agenda** for clean hydrogen development towards achieving USD 2/kg.

COP30 Deliverables:

- Short stock take report 'Towards 100 Hydrogen Valleys- 2025'
- Report on 'Flagship R&I projects along the value chain from production to end-use'



Thank you



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