



International Partnership
for Hydrogen and Fuel Cells
in the Economy

3.2 Hydrogen Breakthrough Agenda

43rd IPHE Steering Committee Meeting

10 – 11 June 2025

Santiago, Chile

Harley HIGGINS WATSON, H2 BtA Facilitator, IPHE

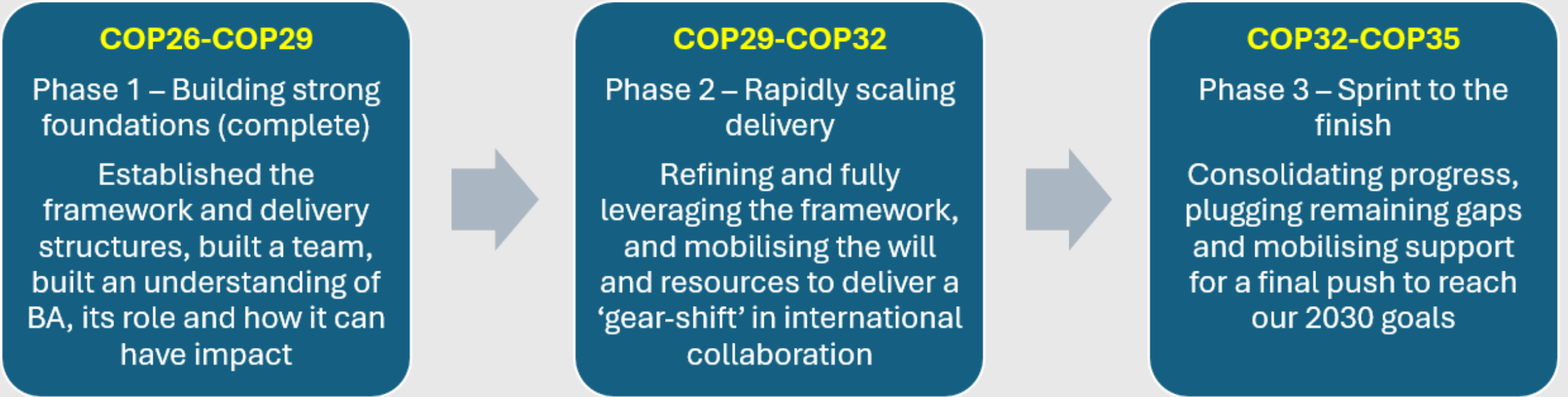
HYDROGEN SOUTHERN CROSSES | Progress driving political momentum



	2030 Hydrogen Breakthrough Agenda Goal – 2 November 2021		G7 Climate, Energy and Environment Ministers' Communiqué - 16 April 2023
	G20 New Delhi Leaders' Declaration - 9-10 September 2023		Declaration of Intent on mutual recognition of certification schemes for hydrogen and its derivatives – 5 December 2023
	Paragraph 28(e) of the Global Stocktake (GST) – 13 December 2023		G7 Hydrogen Action Pact (G7-HAP) – 30 April 2024
	G20 Rio de Janeiro Leaders' Declaration – 18 -19 November 2024		COP29 Hydrogen Declaration – 15 November 2024
	IMO Net-Zero Framework – 11 April 2025		NOW it is time to deliver a unified, actionable Hydrogen Breakthrough Package.

BREAKTHROUGH AGENDA STATUS | 3 Years into a 9 Year Mission

Our 9-year Mission to strengthen & fully leverage international collaboration to deliver tipping points (Breakthrough Goals) in key sectors making clean energy solutions the ‘go-to’ choice for all countries.



BREAKTHROUGH PACKAGE | Clean Hydrogen as a Pillar of Climate Action

Delivering an ambitious and coherent **MULTILATERAL CLEAN HYDROGEN BREAKTHROUGH PACKAGE** at COP30 is essential to turning years of global dialogue into collective action.

GOAL

Transform political commitments into action across the hydrogen value chain.

PURPOSE

- Supports multilateral and Paris-aligned energy transition and climate justice commitments
- Aligns with over 40 NDCs prioritizing hydrogen
- Anchors Para28(e) of the Global Stocktake (GST) in concrete implementation pathways
- Leverages multilateral momentum and global finance
- Enables real projects, local benefits, and global resilience

PLATFORM

High-Level Dialogue on Clean Hydrogen at COP30 hosted by the International Hydrogen Trade Forum and Breakthrough Agenda

PARTNERS

CEM H2I - IHTF, GH2, H2LAC, Hydrogen Breakthrough, Hydrogen Council, IPHE, IRENA, MI Hydrogen Mission, RMI, UNIDO, H4D & 10GW lighthouse initiative, WBCSD

OUTCOME

This package brings together a focused set of high-impact initiatives under the Breakthrough Agenda to demonstrate international cooperation at scale

LANDSCAPE MAPS | Coordinated landscape of initiatives and priority actions



Initiative	Long-term vision & action plans	Demand creation & management	Infrastructure & supply chains	Finance & investment	Research & innovation	Market structures	Standards & certification	Trade conditions	Knowledge, Capability & Skills	Social engagement & impact	Landscape co-ordination
Clean Energy Ministerial's Hydrogen Initiative (CEM H2I)											
First Movers Coalition											
Green Hydrogen Organisation (GH2)											
Hydrogen Council											
IEA Advanced Fuel Cells Technology Collaboration Programme (AFC TCP)											
IEA Hydrogen Technology Collaboration Programme (Hydrogen TCP)											
IMO (International Maritime organisation)											
Industrial Transition Accelerator (ITA)											
International Partnership for Hydrogen and fuel cells in the Economy (IPHE)											
IRENA's Alliance for Industry Decarbonization											
IRENA's Collaborative Framework Green Hydrogen											
Mission Innovation's Clean Hydrogen Mission											
OECD Nuclear Energy Agency (NEA)											
OECD's Clean Energy Finance and Investment Mobilisation (CEFIM)											
RMI's Green Hydrogen Catapult											
UN High Level Climate Champions Team											
UNECE											
UNIDO's Global Programme for Hydrogen in Industry											
World Bank's Hydrogen for Development Partnership (H4D)											
World Business Council for Sustainable Development (WBCSD)											
World Economic Forum's Accelerating Clean Hydrogen Initiative											
World Economic Forum's Transitioning Industrial Clusters Initiative											
World Trade Organisation											

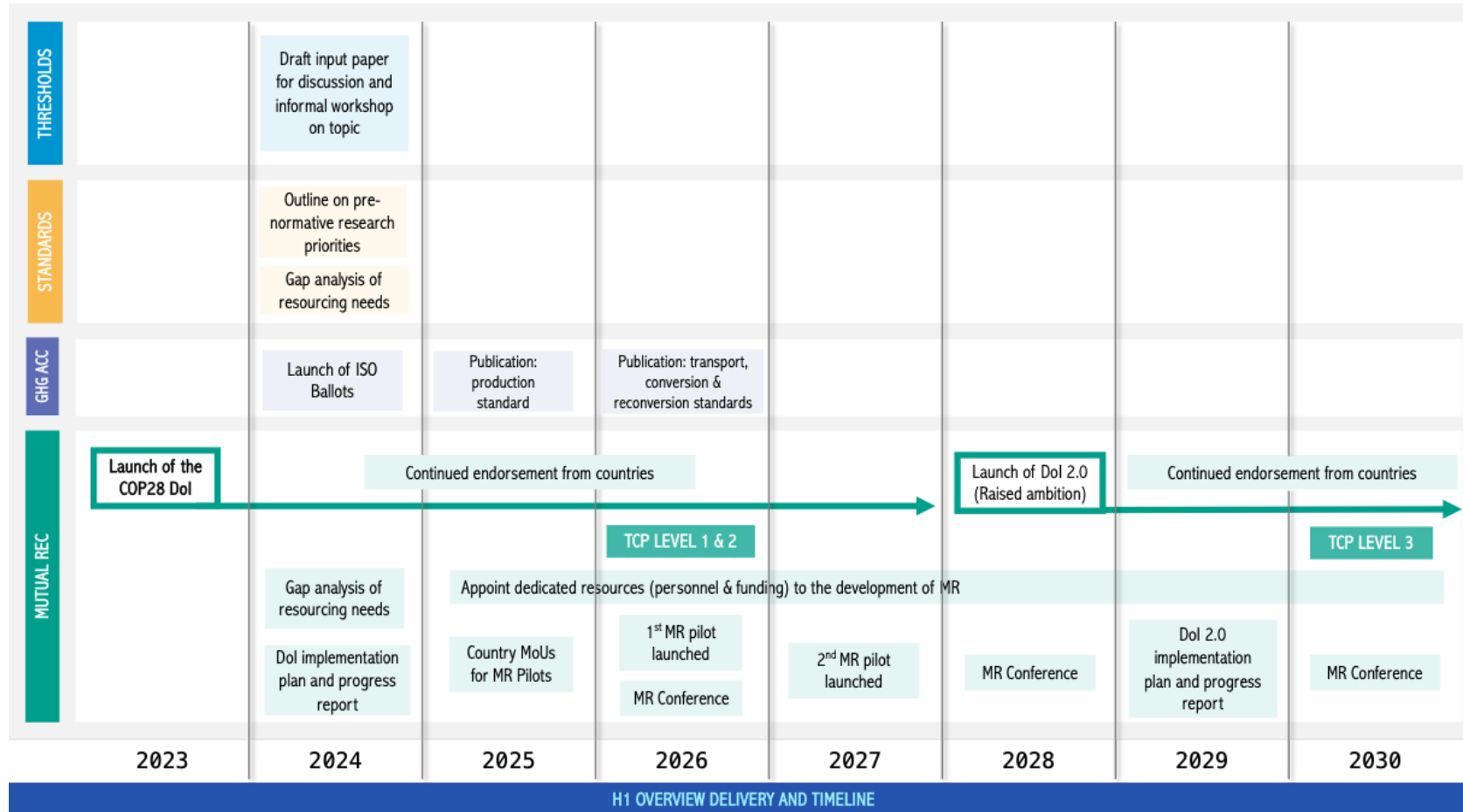
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The aim is to update and develop Landscape Maps for each priority action to enable enhanced coordinated action and delivery and ensure transparency for policymakers and organisations to better understand where and who they can collaborate with to achieve shared goals

2030 Roadmaps | Driving implementation through international cooperation



2030 Priority Action roadmap for Breakthrough Cluster 1: Creating a Global Market *Illustrative*)



Each **BREAKTHROUGH CLUSTER** will deliver a 2030 priority action roadmap as part of the **MULTILATERAL CLEAN HYDROGEN BREAKTHROUGH PACKAGE** delivered at COP30 to ensure annual breakthrough packages of deliverables to drive implementation

NEXT STEPS | Building momentum towards COP30

KEY MOMENTS FOR COUNTRIES:

- Engage within IPHE H2CM Task Force / Put forward interest to for pilots on Mutual Rec.
- Bonn SB meeting on implementation of COP29 Hydrogen Declaration in NDCs and LTSs (19th June)
- BA Priority Action Meetings and Country Roundtable Briefings (Q2 and Q3) to engage within key deliverables for COP30

ONGOING WORK WITHIN THE BA WORKING GROUPS:

- Building 2030 roadmaps through breakthrough agenda priority action working groups
- Engage with COP30 presidency/HLC for the high-level dialogue
- Participate through facilitator or partners and upcoming events to build momentum of narrative and enhance participation in the joint package

THANK YOU | Contact us



CONTACT US TO BE A
PART OF THE
IMPLEMENTATION:

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HYDROGEN BREAKTHROUGH LANDSCAPE

BREAKTHROUGH
AGENDA

