

BREAKTHROUGH AGENDA AND COP29 DEBRIEF

20 November 2024
42nd IPHE Steering
Committee
Brussels, Belgium



A global framework to strengthen and accelerate international collaboration.

BREAKTHROUGH

AGENDA

Provides continuity of action from COP-to-COP



Breakthrough
Agenda launched
by world leaders
at **COP26**

First
Breakthrough
Agenda Priority
Actions
launched at
COP27

Buildings
Breakthrough and
Cement
Breakthrough &
Dubai PIAs
launched at **COP28**

'Baku' Priority
International
Actions launched
at **COP29**

*Partnered with
150+ initiatives
and backed by
61 countries
covering
over 80% of global
GDP*

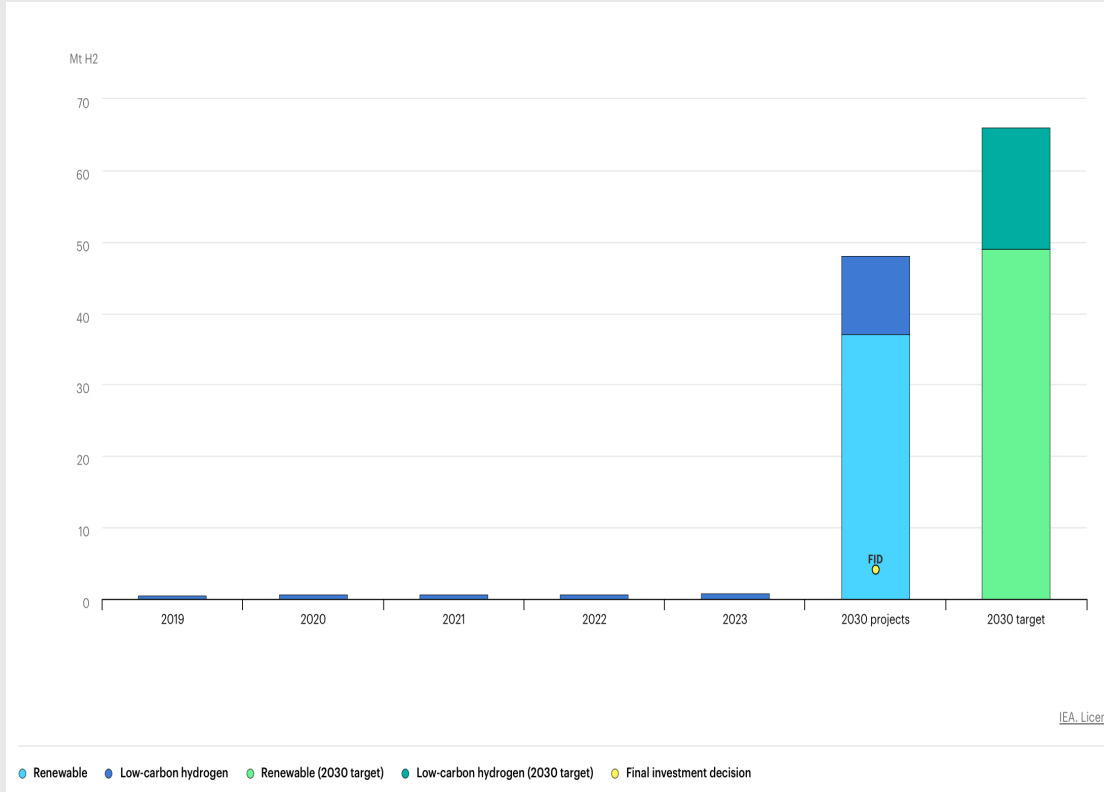


The Breakthrough Agenda provides a global collaborative framework comprising three pillars: **Commitments, an Annual Process and a Service to the international community.**

Through these, the Breakthrough Agenda works to enhance international climate collaboration, encourage join-up and reduce duplication in the sectoral landscapes.



Breakthrough Agenda Report 2024 Overview



'Affordable renewable and low carbon hydrogen globally available by 2030'

H.1 Standards and Certification

H.2 Demand Creation & Management

H.3 Research and Innovation

H.4 Finance & investment

H.5 Landscape Coordination

H.6 Emerging Priorities

Countries have made good progress on standardisation, but further efforts are needed to create demand and move forward on key demonstration projects

Notes: red = minimal progress; orange = moderate progress; yellow = good progress; green = strong progress; white = no recommendation in this area for this sector. The arrows indicate relative progress compared to last year's assessment in the 2023 Breakthrough Agenda Report.

Baku Priority International Actions for Hydrogen for 2025

BREAKTHROUGH AGENDA

H1- Definitions, Standards & Certification	H2 - Demand Creation & Management	H3 - Research & Innovation	H4 - Finance & Investment in EMDEs	H5 - Landscape Coordination	Growing Priorities
Accelerate delivery of a coordinated portfolio of international standards and certification solutions.	Strengthen demand for clean hydrogen through coordinated commitments and policies that accelerate deployment in existing and new priority application sectors.	Increase global clean hydrogen research and demonstration projects across diverse sectors and regions, with mechanisms to share learnings rapidly.	Strengthen international assistance for clean hydrogen projects by identifying financing opportunities and de-risking mechanisms; and supporting programs to mobilize catalytic funding in emerging markets and developing economies.	Improve coordination among international initiatives to enhance global efforts and foster alignment.	1.Skills and Capacity Building; 2.International Trade; 3.Social Acceptance & Community Engagement.
IPHE	RMI & CEM Hydrogen Initiative	Mission Innovation Clean Hydrogen Mission	World Bank and UNIDO	Hydrogen Breakthrough & IPHE	Hydrogen Breakthrough

– announced 14TH November by the COP29 Presidency

2025 Priorities and Milestones

HYDROGEN BREAKTHROUGH

BREAKTHROUGH AGENDA REPORT

The 2025 Cycle will begin with review of progress in Q2 with new recommendations and priority actions publish in Q4

DELIVERY PLANS

Setting up a structure approach with overarching delivery plans for the 2024 PAs. These reflect the key milestones and deliverables of the ecosystem

LANDSCAPE MAP

PA landscape maps with outline 'who' and 'what' is being carried out across the ecosystem to enhance alignment and transparency for coordinated action

STRATEGIC DIALOGUES

A series of workshops that will bring together topics and representatives across the Breakthrough Agenda to enhance cross sector coordination

H1 - STANDARDS AND CERTIFICATION

RESOURCE MAPPING

Initiated with the support of the US, a template was shared with all BA and IPHE countries to map resource gaps to deliver on standards and certification work

COP28 DOI ACTION PLAN

Circulated with the COP29 recommendations, the draft action plan highlights the key next steps: Including cooperation plan, final publication ISO 19870-1, first pilots

THRESHOLDS & DEFINITIONS

As the sector matures, thresholds and definitions require enhance coordination and harmonisation, with the past year proving it to be a growing bottleneck. Strategic dialogue in Q1.

PRE-NORMATIVE RESEARCH

A survey on what areas should be prioritised under the standards workstream was shared with all countries to progress collaboration beyond GHG accounting – Review Q1

Q1

- PA workshops on 2025 delivery plans
- Country Roundtable 1
- Strategic Dialogue: Thresholds/Defs

Q2

- Country Roundtable 2
- Strategic Dialogue: CCS
- Strategic Dialogue: Steel and Cement

Q3

- Country Roundtable 3
- Strategic Dialogue: TBC

Q4

- BA Report Published
- COP30 Strategic Dialogue

COP29 HIGHLIGHTS AND TAKEAWAYS

HIGHLIGHTS - WEEK 1

COP29 HYDROGEN DECLARATION – H5

Accelerate demand on scaling clean hydrogen and moving away from unabated fossil-fuel based hydrogen, highlighting the BA framework to support delivery – Informed by Industry HC-led CtA

JOINT DFI COMMUNIQUE – H4

A coalition of 13 Development Finance Institutions (DFIs) issued a joint communiqué committing to mobilize pooled financing to develop 10GW of renewable hydrogen capacity by 2030.

SHIPPING CALL TO ACTION – H2

Over 50 leaders from the maritime industry signed CtA to increase the uptake of zero and near-zero GHG emissions shipping fuels to at least 5%, striving for 10%, by 2030.

RECOMMENDATION REPORT – H1

Outline 8 key takeaways from the work that has been undertaken to date to carry forward the COP28 DoI

BA IPAs & STRATEGIC SIALOGUE – H5

Launched the 2025 Priority actions and hosted the annual COP roundtable focused on catalysing finance for clean hydrogen.

TAKEAWAYS

KEY TOPICS

Overarching focus on urgent need for demand-side measures. Priorities included: clarity on regulatory frameworks, alignment on thresholds and definitions, incentives based on GHG emissions. A growing effort for cross-sectoral collaboration across initiatives and stakeholders.

NDC OPPORTUNITY

36 of 198 parties mention hydrogen in their latest NDCs. BTRs (Dec'24) will offer a first look at the progress made signal to stakeholders where additional support or adjustments are required.

With NDCs 3.0 being prepared there is a large opportunity for higher ambition to be reflected and go beyond pledges and scope for alignment with TNAs to unlock access to climate finance.

COP30 OPPORTUNITY

Drive forward COP28 and COP29 declarations. Deliver clarity on thresholds and definitions, Advance derisking mechanisms for clean hydrogen in EMDEs (10GW Initiative). Bring forward discussion on incentives for climate attributes.

THANK YOU!

