

Hydrogen Global Governance (HG₂)

Hamburg Sustainability Conference

November 2024

ATTENTION: We would like to formally invite you to the Inaugural Hydrogen Global Governance (HG₂) event. Please RSVP at the [link here](#) or reach out to elena.gnant@boell.de.

High-Level Session Details

The Climate Champions Team, Heinrich Böll Stiftung, Green Hydrogen Organisation, H2LAC, The Green Hydrogen Catapult, & Bread for the World would like to invite you to the first Hydrogen Global Governance (hereinafter referenced as 'HG2') convening at the inaugural [Hamburg Sustainability Conference](#) (HSC).

The convening will establish a recurring forum to discuss the **implementation of the responsible deployment of renewables-based hydrogen**. HSC will continue to act as the anchor point for this annual HG2 convening with the ultimate goal to better embed sustainability and transparency within the development of the hydrogen economy.

Session Logistics

Format: Virtual ('Fish Bowl' Roundtable)

Time: 15:00-17:00pm CET

Date: 4th of November

Required Virtual Hosting Application: Zoom

Key Target Outcomes

The HG2 convening will bring to life the myriad of key risks and potential opportunities associated with hydrogen-related development. The meeting will build off of the insights and work of the [Joint-Agreement on the Responsible Deployment of Renewables-Based Hydrogen](#) (version 2.0 to be released in January 2025 following HSC & COP29 with substantive, stakeholder-led deep-dives into the 6 thematic areas in coordination with all 60+ public & private organisations which form the Joint-Agreement Coalition (JAC)).¹

The event is itself a representation of good governance in convening a diverse group of impacted stakeholders and debating the potential positive and/or negative impacts of various developments across the following six thematic areas. Outputs from HG2 @ HSC will serve to further inform the Joint-Agreement 2.0 and help build consensus across a variety of governance arenas.

Joint-Agreement: 6 Thematic Focus Areas

1. Continuously defining and integrating a holistic, dynamic approach to technology readiness levels – as well as stringent methodologies and thresholds for emissions intensities – into investment & project decision-making criteria
2. Tailoring the application and end use of renewables-based hydrogen technologies to specific regional/sectoral sensitivities
3. Providing guidelines for global trade & commoditisation
4. Addressing crucial aspects of capital deployment, financing, & policy schemes
5. Preventing and/or mitigating any adverse effects on local communities
6. Protecting the natural environment & delivering a net-positive impact on ecological systems

Tentative Participant List (To be Confirmed)

¹ The 6 Thematic Areas are defined as the following: Continuously defining and integrating a holistic, dynamic approach to technology readiness levels – as well as stringent methodologies and thresholds for emissions intensities – into investment & project decision-making criteria, XX

- The Climate Champions Team
- Heinrich Böll Stiftung
- Bread for the World
- CAN International
- E+
- Environmental Defense Fund
- National Resources Defence Council
- H2LAC
- The Green Hydrogen Organisation
- The Green Hydrogen Catapult (represented by RMI)
- COP28 Presidency
- COP29 Presidency
- Brazil Ministry of Finance
- South Africa Presidential Climate Commission
- Panama Department of Environment
- GIZ
- U.S. Department of Energy
- UK Department of Energy Security & Net Zero (DESNZ)
- Hydrom (Oman)
- UNIDO
- IHTF
- UNEP FI
- UNDP
- UNEP
- UN Foundation
- Bridgetown Initiative
- Africa Hydrogen Hub
- IEA
- IRENA
- WBCSD
- Breakthrough Energy
- H2Global
- European Hydrogen Bank
- European Investment Bank
- European Commission
- Mission Innovation (Clean Hydrogen Partnership)
- World Bank ESMAP
- Green Climate Fund
- Copenhagen Infrastructure Fund
- GFANZ
- Impact Hydrogen
- Africa Green Hydrogen Alliance
- Asia Green Hydrogen Alliance
- Hidrógeno Colombia
- Alianza por el Hidrógeno de Costa Rica
- LAC Clean Hydrogen Action
- Mærsk Mc-Kinney Møller Center for Zero Carbon Shipping
- Fortescue
- Vale
- Orsted
- ACWA Power

- ArcelorMittal
- CWP Global
- Global Energy Alliance for People and Planet, GEAPP
- H2 Chile
- H2 Perú
- H2 México
- Asociación Uruguaya de Hidrógeno, AUH
- Consorcio H2 AR
- Associação Brasileira da Indústria do Hidrogênio Verde, ABIHV
- Ministry of Economy and Climate, Germany
- Ministry of Development Cooperation, Germany
- ThyssenKrupp
- Enertrag
- Namibia Hydrogen Commission
- OLADE
- Local NGO representatives from South Africa, Namibia, Chile, Brazil, Colombia, Morocco and Tunisia

The Joint-Agreement Coalition (JAC): Hydrogen Global Governance

Established through partnership between The Climate Champions Team, Heinrich Böll Stiftung, Green Hydrogen Organisation, H2LAC, & The Green Hydrogen Catapult.

Introductory Remarks

Renewables-Based Hydrogen and its derivatives are likely to become an internationally traded commodity during the next decade - accounting for ~10% of final energy demand (globally) by 2050.² In total, the size of the hydrogen sector will have to be up to 6x of the current production levels while also converting entirely to renewables-based hydrogen in accordance with IPCC. In order to contribute to the achievement of the goals of the Paris Agreement and the 2030 Agenda, the sector must be developed through proper establishment of safeguards at various levels of implementation. For this, The Climate Champions Team, The Green Hydrogen Organisation, H2LAC, The Green Hydrogen Catapult, the Heinrich-Böll-Foundation & Bread for the World have established a global convening on international hydrogen governance in order to ensure there is effective implementation of non-extractive partnerships, climate-aligned/nature positive standards, oversight and grievance mechanisms, general compliance with the principles and standards, as well as remedies in case of non-compliance in order to address environmental and social concerns in decarbonisation. In the ESG of H2, we seek to support the establishment of effective, transparent governance to ensure the responsible deployment of renewables-based hydrogen.

Joint-Agreement Coalition: Global Governance Framework

The Joint-Agreement Coalition (hereinafter referred to as the ‘JAC’) will convene stakeholders from governments, business, civil society, international organisations, academia and think tanks to discuss ongoing developments in the hydrogen sector (and its derivatives) impacting a just and equitable transition away from fossil fuels.³ In Dubai, 60+ organisations came together in support of the [Joint-Agreement for the Responsible Deployment of Renewables-Based Hydrogen](#) - an effort spearheaded by the Climate Champions Team in support of the UN Climate Change High-Level Champion for COP28. The Agreement outlines 6 thematic areas which - if implemented by various stakeholder groups along the hydrogen value chain and enabling levers of policy, regulation, and financing - would support the establishment of a truly equitable, nature-positive, 1.5C-aligned hydrogen economy. The list of supporters of the Joint Agreement can be found in Annex Item B of this document.

The Flagship Partners - now further bolstered by supporting global and regional partners - are now focused on guiding the implementation of the Joint-Agreement through 2 parallel efforts:

1. **Joint-Agreement Coalition (coordinating entity for HG2)** - Establishing a public/private coalition of governments and organisations who will convene annually to take stock of development in the hydrogen space impacting responsible deployment (policy/regulation, subsidies, trade agreements, standards and certification, supply/demand creation, & more). The focus of the ‘JAC’, to be convened annually at the Hamburg Sustainability Conference (HSC) can be outlined as the following:

² [IEA World Energy Outlook 2023](#)

³ [UNFCCC COP28 Agreement](#)

- Convene relevant stakeholder groups (public sector, demand-side industry, hydrogen producers, agencies, CSOs, alliances) with regional diversity to discuss implementation of the principles & standards outlined in the Joint-Agreement
 - Stocktake of key factors impacting truly sustainable/equitable development
 - Discuss key concerns of civil society in partnership with key government/industry officials
 - Publish Joint-Agreement X.0 (reoccurring) consolidating research on aforementioned impact areas
2. **HG2 Database (in collaboration with GH Standard 2.0 & UNIDO)** - Reporting on Implementation of Sustainability / SDG-Related Standards at the micro level to effectively track the downstream impacts of activity highlighted in Joint-Agreement X.0 on standards for responsible deployment (specifically at the project and country level) *** Ongoing, rolling development of database will not be a key dependency for the annual convening on H2 Global Governance at HSC

...HG2 refers to the Flagship Partner's annual report and subsequent convening for global coordination on the responsible deployment of renewables-based hydrogen. The planned outputs of this convening - anchored at HSC - will be as follows:

1. Policy engagement pathways (international, regional, national)
2. Advocacy (regionalised through partnerships - e.g., E+ (Brazil))
3. Inputs to Stocktake and SDG Progress Monitorisation as well as relevant climate finance flows

Inaugural Hamburg Sustainability Conference

The inaugural Hamburg Sustainability Conference will take place October 7th - 8th, 2024 - the goal of which is to 'accelerate our efforts to reach the SDGs'.⁴ The initial JAC CSO Global Governance Meeting will be held virtually on the 4th of November 2024 to complement the proceedings of the Inaugural HSC and establish momentum on the Road to Baku.

Following this virtual session, the JAC will collaborate with HSC leadership to convene an annual meeting in Hamburg prior to each COP so as to ensure the required research, engagement, and discussions have occurred prior to UNFCCC negotiations at each Conference of Parties.

JAC Composition & HSC CSO Global Governance

The JAC and its CSO Global Governance Framework (& the interconnected annual meeting) will be constituted by 2 key countries which 'champion' the implementation of the Joint-Agreement (to be identified at COP29) - in partnership with the 60+ organisations/institutions/companies who have endorsed the Joint-Agreement to-Date.

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Annex Item A - COP29 / COP30 Engagement:

⁴ As referenced by German Federal Chancellor Olaf Scholz.

The JAC and its CSO Global Governance Framework will be embedded in the work at COP29.⁵ In their work with the relevant UN Agencies, The Climate Champions Team will spearhead the inclusion of JAC's CSO Global Governance Framework in Baku's negotiations with an eye to continue working with the COP30 Presidency in Belém.

Annex Item B - Joint-Agreement Endorsement (as of July 2024):

- The Africa Green Hydrogen Alliance, AGHA
- Hydrogen Egypt
- Hydrom
- Hidrógeno Colombia
- Alianza por el Hidrógeno de Costa Rica
- LAC Clean Hydrogen Action
- CWP Global
- Hystor Energy
- The Scottish Government
- República de Panamá
- The Fossil Fuel Non-Proliferation Treaty
- EcoLogic
- New Climate Institute
- Gallifrey Foundation
- Global Energy Alliance for People and Planet, GEAPP
- Sustainable Energy for All
- Impact Hydrogen
- Client Earth
- Earth4All
- Green Hydrogen Coalition
- Renewable Hydrogen Coalition
- Climate Catalyst
- World Business Council for Sustainable Development
- Business for Nature
- New Energy Coalition
- International Institute for Environment and Development
- SI
- Asociación Hondureña de Hidrógeno
- ACWA Power
- ArcelorMittal
- H2 Green Steel
- Fortum
- Power 2X
- Vale
- Enel Green Power
- ET Fuels
- ReNew Power
- World Energy
- Smart Freight Centre
- Responsible Steel
- CBER
- RMI

⁵ At COP29, the international hydrogen community will take stock of existing initiatives, progress-to-date, and next steps for implementation (in which the work of the Joint-Agreement will be embedded).

- Climate Group
- Transport & Environment
- NRDC
- TES
- H2GEN
- Aspen Institute
- Ceres
- Greenpeace
- Greening the Islands
- Triodos Bank
- Scientists for Global Responsibility
- Coalition for Green Capital
- Green Climate Fund

