

Climate and Energy Transition Finance Programme (CETFi)

Programme Framework

Background

The Green Hydrogen Organisation is spearheading a comprehensive **“Blended Finance Outreach and Advocacy”** initiative centred around a detailed **Library of Financial Structures, Facilities, Instruments, Incentives, Grants and Subsidies and enabling tools**. This work is an extension and part of the Green Hydrogen organisation’s work to promote large scale financing for the sustainable development of Green Hydrogen economy, enabling decarbonisation and Energy Transition.

The development of the library of tools and structures has been based on first-principles approach to risk management. Numerous risks emerge across the value chain, including market, technology, construction, operational, financing which are further impacted by systemic risks such as political, geo-political and global macro-risks. Whilst the categories of risks will be the same across every market, the intensity/complexity of each risk-class will vary from country to country and across different segments within each country.

The programme therefore takes an **“applied finance”** approach to first create a comprehensive knowledge base comprising of various structures and financial instruments and then applying it to various markets and its segments for developing a green-hydrogen financing framework. The programme’s thrust is on various developing and emerging market economies, collectively referred to as the Global South. Many of the recommendations set will be based on **“blended finance”** models that will help expand the pool of financing for green hydrogen ecosystem.

The programme’s significant output shall be in form of a paper titled: **“Approaches to finance India’s GH2 economy and Energy Transition using Blended Finance and Innovative Instruments”**. This will identify and assesses all the value-chain and systemic risks while providing strategies to mitigate them, ensuring the successful financing of green hydrogen projects.

The paper will also recommend implementable “Blended Finance” structures that will help in:

- Identifying sources of finance that otherwise may not be available
- Recycling or unlocking capital (for redeployment) that is otherwise tied to long project cycles
- Reducing the cost of capital for projects using innovative approaches and thereby reducing the cost of green hydrogen
- Reducing times to reach FID and financial closure of projects
- Expanding the universe of capital using leverage effect
- Enable Governments and financial institutions to collaborate on creating financing structures

In order to engage with key stakeholders as well as increase awareness on blended finance approaches, the Green Hydrogen Organisation will run a number of workshops.

“Financing India’s Green Hydrogen and Energy Transition” Workshop Series 2023

Wed, 27 September 1500 – 1700 hrs IST	Identifying, mapping and grading different risks in GH2 Economy More than 10 main risk categories and +40 individual risks across the categories
Wed, 04 October 1500 – 1700 hrs IST	How to stimulate GH2 demand across HTA and transport sectors Mandates, incentives, price-parity
Wed, 11 October 1100 – 1300 hrs IST	Financing constraints in RE and RTC Power Increasing wholesale supply and take-out financing and strategies to churn capital faster
Wed, 18 October 1500 – 1700 hrs IST	Converting the Aggregator to a Market-Maker Structures to accelerate the GH2 off-takes, price discovery, volume/price mismatching risk-pricing
Wed, 25 October 1500 – 1700 hrs IST	High Impact Guarantee, Insurance and Credit Enhancement Instruments Introducing variety of instruments available from multilateral and development finance institutions
Wed, 01 November 1500 – 1700 hrs IST	Role of Carbon markets Carbon financing will play a crucial role in increasing the affordability of green hydrogen. Introduction to the concept of green-credits
Wed, 08 November 1500 – 1700 hrs IST	Increasing Equity and Risk Capital Supply Listed funds, Direct investments by Institutional investors, private equity, strategic investments
Wed, 15 November 1500 – 1700 hrs IST	Increasing Debt Capital Supply Increasing green bond issuances out of India and expanding the credit-supply pool

Note: the above schedule may change based on availability of key panel members. [Register here](#)

Workshop Participants

Government, Regulators, Multilateral Institutions and Development Banks, Development Finance Institutions, Commercial financial institutions, Industry, Think-tanks and Subject matter experts” with The organisations participating in the workshops include the World Bank, KFW, Asian Development Bank, European Investment Bank, AIIB, Tata Capital, SBI capita, Adani, ACME, Renew, NTPC, and other government organisations. We are also supported by the G20 secretariat, Global Renewables Alliance, IESA and the International Solar Alliance and other industry partners on this timely initiative.

Workshop Format

15-20 experts will represent the above stakeholder groups and discuss one or more topics in-depth. The sessions will be organised through a “video-call”. Each workshop will last a maximum of 2 hrs.

Final Event of 2023



Climate and Energy Transition Finance Summit 2023

28-29 November | New Delhi

Climate and Energy Transition Finance Summit

Organised jointly with the G20 Secretariat, the Summit will mark the culmination of the stakeholder engagement workshops. The Summit will bring more than 200 global investors together with policy makers and industry to re-affirm their commitments towards climate finance. The Summit will also release the following reports, papers and initiatives:

- 1. Report 1:** Library of Financial Structures and Instruments to enable climate finance and accelerate green transition
- 2. Report 2:** Blended finance approaches for India (and the global south)
- 3. Working Paper 1:** Green Credits: the apt currency
- 4. Working Paper 2:** Institutional Finance: bedrock of energy transition
- 5. Initiative:** Climate Finance and Energy Transition Impact Projects Group

For more details please contact us.

Organisational Background

The Green Hydrogen Organisation (GH2) is a global non-profit foundation working with government, industry, and civil society to dramatically accelerate the production and utilisation of green hydrogen and its derivatives across a range of sectors globally. GH2 brings together government, industry, and civil society to enable the rapid uptake of green hydrogen globally.

It has developed and is currently working with a group of governments and companies on refining and piloting the Green Hydrogen Standard. GH2 manages the Green Hydrogen Blended Finance Roundtable, bringing together 16 multilateral development banks. The report "Getting the right blend: Innovative development finance for the large-scale renewable and green hydrogen economy" is available here. GH2 manages the collaborative Good Green Hydrogen Contracting and Legislation – for People and Planet, with a group of law firms providing pro bono support alongside experts from governments, industry, and civil society. See more here.

GH2 works closely with a wide range of governments, manages the Green Hydrogen Portal and runs the Africa Green Hydrogen Alliance. GH2 manages the Planning for Climate Commission, a multi-stakeholder group working on international good practice and fast and fair planning and permitting.

It has a presence in Beijing, Buenos Aires, Chennai, Delhi, London, Nairobi, Oslo, and Perth, in addition to its office in Geneva; and is convening a network of think tanks and civil society organisations. GH2 is part of the Global Renewables Alliance. For more details, visit our website <https://gh2.org>.

Indian partners/members: ACME, Adani, ReNew, Avaada, International Solar Alliance, NSEFI India and Governments of Karnataka, Kerala, Rajasthan, Tamil Nadu and Uttar Pradesh

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