

Expert Exchange Event Series

Promoting Green Hydrogen Economy in South Africa



As the world urgently searches for solutions to decarbonising the hard-to-abate sectors, there is a current surge of global interest in green hydrogen (GH₂) and green-hydrogen-based Power-to-X (PtX) products. South Africa is characterised by favourable solar and wind energy conditions, significant mineral resources, and existing hydrogen value chains and industries. Thus, green hydrogen offers South Africa many opportunities. The country can both meet its global commitments to carbon reduction as well as export to international offtakers, to stimulate market development.



Germany, a leader in promoting development of hydrogen technologies, is actively working on various strategies to both drive national use as well as international supply of the electrofuels. The German Federal Ministry for Technical Cooperation (BMZ), through GIZ and the Presidency Department in the South African Government, implements the **Green Hydrogen Programme (H₂.SA)** in the country. The overall objective of the programme is to support South African stakeholders from the public and private sectors as well as from civil society organisations in creating favourable regulatory, institutional, and technical framework conditions for a thriving green hydrogen economy. Other initiatives, also supported by the German Government, will provide support in developing the domestic market for green hydrogen.

As part of the **GIZ's H₂.SA programme**, 15 events (offered online and in-person) will be hosted, to provide excellent opportunities for capacity building, knowledge sharing, networking, and showing international as well as national best practices for green hydrogen market development.

The event series will cover a wide variety of topics relevant to the hydrogen sector development, including regulatory frameworks, research and innovation, business opportunities, financing, and export potential. The events will be organised in thematic clusters and will bring together decision-makers and practitioners from the public and private sectors, academia, and civil society organisations interested in shaping the green hydrogen economy of South Africa.

The events will take place between **April 2024** and **August 2025**. They will combine informative presentations by South African and international hydrogen experts and business representatives with discussion, networking, and exchange opportunities. The events are organised and moderated by our Berlin-based partner Renewables Academy (RENAC) AG.

Contact

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Dates and Tentative Topics

Cluster 1: Strategy Development & Regulatory Framework

Date	Topics	Event type
17 April 2024	South Africa's Green Hydrogen & Power-to-X Strategy	Webinar 1
16 May 2024	Financing mechanisms for GH2 projects at national level	Webinar 2
12 June 2024	Regional collaborations for harmonised GH2 regulations	Webinar 3

Cluster 2: Green Hydrogen Economy & Business Development

Date	Topics	Event type
17 July 2024	Business models for hydrogen production & distribution	Webinar 4
14 August 2024	Role of GH2 in hard-to-abate sectors: steel, cement, chemicals	Webinar 5
18 Sept 2024	Economic rationale for building a GH2 competitive market	Webinar 6

Cluster 3: Research, Innovation & Training

Date	Topics	Event type
23 Oct 2024	Breakthroughs in GH2 production & storage technologies	Webinar 7
20 Nov 2024	Green Hydrogen innovation & startups in South Africa	Webinar 8
May 2025	Skills development for GH2 & PtX in SA: Needs and Gaps	Webinar 9

Cluster 4: Sustainability & Just Transition

Date	Topics	Event type
June 2025	Gender perspectives in the green hydrogen workforce	Webinar 10
July 2025	Potential of GH2 & PtX in enhancing energy security	Webinar 11
Aug 2025	Evaluating the socioeconomic benefits of GH2 in South Africa	Webinar 12

On-site events in South Africa

Date	Topics	Event type
Mar / April 2025	tba	tbc
Mar / April 2025	tba	tbc
Mar / April 2025	tba	tbc