

## 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 (GH<sub>2</sub>) 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 (H<sub>2</sub>.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 H<sub>2</sub>.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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## Expert Exchange Event Series

### 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 synergies for a Green Hydrogen Economy: Insights from South Africa and Namibia	Webinar 3

#### Cluster 2: Green Hydrogen Economy & Business Development

Date	Topics	Event type
17 July 2024	Support Mechanisms for Advancing the GH2 Agenda	Webinar 4
14 August 2024	Development Finance Institution's Role in Pushing the GH2 Agenda	Webinar 5
18 Sept 2024	Electrolyser and Fuel Cell Trends	Webinar 6

#### Cluster 3: Research, Innovation & Training

Date	Topics	Event type
23 Oct 2024	Innovations in Green Hydrogen Infrastructure Development	Webinar 7
20 Nov 2024	Innovations in Green Hydrogen Technology	Webinar 8
21 May 2025	Skills development for GH2 & PtX: Needs and Gaps	Webinar 9

#### Cluster 4: Sustainability & Just Transition

Date	Topics	Event type
26 June 2025	Sustainable GH2 Production: The Challenge of Water	Webinar 10
16 July 2025	The Contribution of GH2 to Energy Security	Webinar 11
17 Sept 2025	GH2 Participation: Making Room for Women and Communities	Webinar 12

#### On-site events in South Africa

Date	Topics	Event type
7 April 2025	Capacity Development for a Just Energy Transition with GH2	Workshop
9 April 2025	Building Local Value Chains for the GH2 Economy	Workshop and Site Visit
11 April 2025	Advancing Sustainability and Standards in GH2 Projects	Workshop