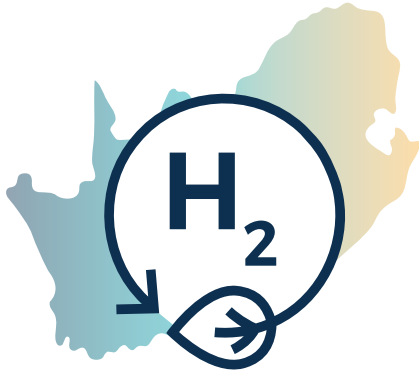


PROGRAM



GREEN HYDROGEN SUMMIT SOUTH AFRICA

Cape Town | 28-30 Nov 2022



28-30 NOVEMBER 2022 - CITY OF CAPE TOWN

1 DECEMBER 2022 - PROVINCIAL SITE VISIT

In Partnership with



REPUBLIC OF SOUTH AFRICA



ABOUT SOUTH AFRICA'S GREEN HYDROGEN SUMMIT 2022

Infrastructure South Africa (ISA) will be hosting the inaugural South Africa Green Hydrogen Summit (SAGHS) 2022 in Cape Town. The SAGHS will showcase the country's offering as an early stage, large scale, low cost, world class green hydrogen production hub and total value chain investment destination.

South Africa is one of the founding members of the Africa Green Hydrogen Alliance (AGHA) which seeks to promote continental green hydrogen cooperation. Senior delegations from the other founding members of the AGHA including Egypt, Kenya, Mauritania, Morocco and Namibia have also been invited to showcase their unique offering at the SAGHS.

The Summit will be hosted in Century City, Cape Town between the 28th - 30th of November 2022. Provincial Site Visits will take place on the 1st of December 2022.

ABOUT INFRASTRUCTURE SOUTH AFRICA

In May 2020 the Cabinet approved the establishment of Infrastructure South Africa (ISA), a programme within the Ministry of Public Works and Infrastructure. The decision followed work undertaken by the Infrastructure and Investment Office in the Presidency, since 2019, to review and align the mandates of the Presidential Infrastructure Coordinating Commission Technical Task Team (PICC TTT) and the broader public institutional framework for the delivery of public infrastructure. These mandates are now housed under Infrastructure South Africa as the single point of entry for accelerated infrastructure investment, with a particular focus on both public and private sector catalytic social and economic infrastructure projects.

With the increasing focus on a nationally coordinated effort to support Government's drive to reignite the South African economy and place it on a sustainable and inclusive broad-based growth path, ISA oversees the project preparation, appraisal, and evaluation, required to package a credible and market-ready infrastructure project pipeline to bedrock the roll-out of South Africa's Infrastructure Investment Plan and the National Infrastructure Plan 2050. It will redefine the institutional infrastructure for investment mobilisation and establish an investment intelligence capability within the State.

ABOUT GIZ SOUTH AFRICA, LESOTHO AND ESWATINI

The Deutsche Gesellschaft für Internationale Zusammenarbeit (GIZ) GmbH is the German development agency which provides services in the field of international development cooperation and international education. GIZ has been working with South Africa since 1995 and opened its country office in Pretoria in 1996. GIZ's work in South Africa is carried out primarily on behalf of the German Federal Ministry for Economic Cooperation and Development (BMZ). Some of the core areas of cooperation are Climate, Energy and Just Transition.

GIZ is working on a socially just energy transition to create an economy that is environmentally friendly and a society that is climate resilient. To achieve this, GIZ supports South Africa in developing an environmentally sustainable and secure energy infrastructure and in enhancing energy efficiency. This includes reducing emissions, job creation, and supporting the development of a green hydrogen sector. Similarly, GIZ assists South Africa in further developing and implementing its national climate policy to be able to meet its contributions under the Paris Agreement.

For more information visit the APP.



GREEN HYDROGEN SUMMIT SOUTH AFRICA

Cape Town | 28-30 Nov 2022

MONDAY, 28 NOVEMBER 2022 - DAY 0

08:00 - 12:00 (departure 06:00) - **Saldanha Bay Site Visit (by invitation)**

14:30 **Press Conference & Interviews**

15:30 **Tour of Exhibition**

18:30 **Ministers and CEOs Dinner - Stellenbosch**

TUESDAY, 29 NOVEMBER 2022 - DAY 1

Time	Type	Speaker(s)
08:00	Media Interviews	
09:15	Opening & Welcome	Premier Alan Winde Western Cape Provincial Government
09:30	Context & Background	Minister Patricia de Lille Department of Public Works & Infrastructure
09:45	Keynote Address	H.E. President Cyril Ramaphosa President of the Republic of South Africa
		Short Musical Item
10:45	High Level Panel Facilitator: Mondli Gungubele Minister in the Presidency	Till Mansmann Commissioner Innovation & Green Hydrogen, German Federal Ministry of Education and Research (BMBF) Paddy Padmanathan CEO & Vice Chairman, ACWA Power Priscillah Mabelane Executive Vice President, Energy Business, SASOL H.E. CHEN Xiaodong Chinese Ambassador, Embassy of the People's Republic of China in the Republic of South Africa - (tbc) James Mnyupe Presidential Economic Advisor & Green H2 Commissioner, Namibian Presidency

TUESDAY, 29 NOVEMBER 2022 - DAY 1

Time	Type	Speaker(s)
12:00	PANEL 2 Catalytic green hydrogen initiatives: Showcasing the future. Facilitator: Lukhona Mnguni	Jonathan Debasc Managing Director for Thermal, Desalination, Battery Storage & Hydrogen, ENGIE Group Meta Mhlarhi CA (SA) Co-Founder & Executive Director, Mahlako a Phahla Group Dr Ramokgopa Head of the Investment & Infrastructure Office in the Presidency & Head of Infrastructure South Africa Oliver Rentschler DG Climate Diplomacy, Economic Affairs & Technology, German Federal Foreign Office (AA)
13:00	Lunch & Exhibitions	
13:00	Private Session	Selected
14:00	PANEL 3 Green hydrogen in the context of the energy mix. Facilitator: Lukhona Mnguni	Jacob Mbele Director General, Department of Mineral Resources & Energy Garrith Bezuidenhout Global Head of Hydrogen, Phelan Energy Group Uri Epstein Business Development Manager, Fortesque Future Industries Nhlanhla Gumede Head of Electricity Regulation, National Energy Regulator of South Africa - (tbc) Nthato Minyuku Chairperson, South African Maritime Safety Authority Tokologo Phetla CEO, Commodore Industries (Youngest IPP in SA)
	Country Presentation 1: Germany Green Hydrogen & the German Energy Transition - Perspectives and Opportunities for South Africa. Facilitator: Lorato Tshenkeng Founder & Chief Executive, Decode Communications	Till Mansmann Commissioner Innovation & Green Hydrogen, German Federal Ministry of Education and Research (BMBF) Timo Bollerhey Managing Director, H2Global Tobias Bischof-Niemz Head of Division: New Energy Solutions, ENERTRAG Fergus Feltman CEO, Atlanthia Gosiame Khoele Vice President Strategy, Pricing & Regulation, SASOL
	Technical Session 1 Potentials of PtX for aviation & shipping. Facilitator: Dr Harry Malila Director General, Western Cape Government	Toshihiro Matsuo Executive Officer, Africa Block, Itochu Carolin Capone Director, International PtX Hub Monica Swanson Business Manager International Hydrogen Projects, Port of Rotterdam Dr Helge Sachs Senior Vice President, SASOL ecoFT

TUESDAY, 29 NOVEMBER 2022 - DAY 1

Time	Type	Speaker(s)
	Technical Session 2 Challenges of financing feasibility studies for early stage projects and possible blended finance solutions. Facilitator: David Masondo Deputy Minister of Finance	Maria Shaw-Barragan Director, European Investment Bank Babette Stein von Kamienski Head of Division Infrastructure Southern Africa, KfW Rian Coetzee Executive Industry & Project Development, Industrial Development Corporation Mohale Rakgate Chief Investment Officer, Infrastructure Fund
15:00	Tea & Exhibitions	
15:30	PANEL 4 Green hydrogen as a building block for the South African Just Energy Transition Partnership. Facilitator: Nzinga Qunta Television & Radio Business News Anchor	Minister Barbara Creecy Department of Forestry, Fisheries & the Environment - (tbc) Daniel Mminele Head of the Presidential Climate Finance Task Team, The Presidency - (tbc) Ambroise Fayolle Vice President, European Investment Bank Tanja Werheit Consul General, German Missions to South Africa, Lesotho & Eswatini Dr Andrea Lovato Executive Vice President & Global Head of Renewable Development, ACWA Power
	Country Session 2: The Netherlands Co-creating a green H2 ecosystem: exploring opportunities for future partnerships.	Marc van der Linden Directeur Hydrogen Development, N.V. Nederlandse Gasunie Peter Paul van 't Veen Business Developer, TNO: Innovation for Development Ann Abheiden Director of Impact, Impact Hydrogen Dr Thomas Roos Principle Research Engineer, Council for Scientific & Industrial Research (CSIR) Eudy Mabuza Senior Science & Innovation Representative, Department of Science & Innovation
	Technical Session 3 Sustainability: Requirements & International frameworks Facilitator: Heino von Meyer Lead Sustainability & Global Relations, International PtX Hub	Laurens Cloete Senior Consultant, Rebel Group South Africa Farai Chireshe Energy Analyst, WWF Makoma Lekalakala Director, Earth Life Gian Wieck Senior Policy Advisor, German Federal Ministry for Economic Cooperation and Development (BMZ)

TUESDAY, 29 NOVEMBER 2022 - DAY 1

Time	Type	Speaker(s)
	Technical Session 4 Leveraging synergies through provincial and regional cooperation. Facilitator: Tebogo Thothela	Kaashifah Beukes CEO, Freeport Saldanha Hendrik Louw Acting CEO, Nothern Cape Economic Development Agency Kishan Pillay Director Oil, Gas & Hydrogen, Department of Trade, Industry & Competition Khwezi Tiya CEO, Coega Development Corporation - (tbc) Magenthran Ruthenavelu Chief Engineer, Transnet National Port Authority - (tbc) Marco Raffinetti CEO, HYPHEN
16:30	Exhibition/ Speakers Corner	
18:00	Networking Dinner with Live Music	

WEDNESDAY, 30 NOVEMBER 2022 - DAY 2

Time	Type	Speaker(s)
07:00	Women in Green Hydrogen & Women in Energy Breakfast	
09:00	Exhibition/ Speakers Corner	
09:30	PANEL 5 Competitive advantage & scarce resources: Minerals for the green economy. Facilitator: Shaakira Karolia Infrastructure South Africa	Gwede Mantashe Minister of Mineral Resources & Energy - (tbc) Roger Baxter CEO, Minerals Council SA - (tbc) Prakashim Moodliar Executive Head of Projects, Anglo American Alec Erwin Former Minister of Public Enterprises
	Country Session 3: Japan Furthering collaboration between South Africa and Japan on Hydrogen and Ammonia. Facilitator: Nzinga Qunta	H.E. Norio Maruyama Japanese Ambassador, Embassy of Japan in South Africa Yasujiro Miyake Director Middle East and Africa Division, Ministry of Economy, Trade and Industry Case studies by the private sector - (tbc)
	Country Session 4:	
	Technical Session 5: Focus Session Private Sector I: Best practices to build the hydrogen economy. Facilitator: Mireille Wenger Member of the Executive Committee for Finance & Economic Opportunities, Western Cape Government	Timo Bollerhey Managing Director, H2Global Rivhatshinyi Mandavha Investment Analyst, Norfund Danie Cronje Senior Vice President: Green Hydrogen Global Market Development, Sasol Ulco Vermeulen Director Business Development, Gasunie Mark Meldrum Director Energy Transition, SYSTEMIQ

WEDNESDAY, 30 NOVEMBER 2022 - DAY 2

Time	Type	Speaker(s)
	Technical Session 6: Framing and enabling: Strategy, policies & regulations. Facilitator: Lukhona Mnguni	Grové Steyn Managing Director, Meridian Economics Federico Villatico Campbell Independent Consultant on climate change, green hydrogen, sustainable energy and transport Niki Kruger Chief Director Trade Policy and Negotiations, Department of Trade Industry and Competition Gillian Niven Regulatory lawyer Energy Sector, Allen and Overy Prof Simon Roberts Centre for Competition, Regulation and Economic Development, University of Johannesburg
10:30	Tea & Exhibitions	
11:00	PANEL 6 The opportunity to commercialise South Africa's green hydrogen research & IP. Facilitator: Thulani Dlamini CEO, Council for Industrial & Scientific Research - (tbc)	Dr Phil Mjwara Director General, Department of Science & Innovation Nienke Homan Chief Executive Officer, Impact Hydrogen & former Regional Minister in Groningen, Netherlands Patrick Dlamini CEO, Development Bank of South Africa - (tbc)
11:00	PANEL 7 Building sustainable value chains for a Green Industrialisation. Facilitator: Nzinga Qunta	Minister Ebrahim Patel Department of Trade, Industry & Competition - (tbc) Joanne Bate COO, Industrial Development Corporation Thabo Molekoa Chairman & MD, Siemens Energy, Southern Africa Colin Loubser Director for Middle East & Africa, Hive Energy Aldrich Louis GM, ArcelorMittal South Africa
	Country Session 5: Italy Facilitator: Francesca Capoferri/ Alessandro Moretti Partner, Andersen in Italy	HE Emanuele Pollio Consul of Italy to Cape Town Prof Mario Motta Director, Hydrogen Joint Research Platform Michele Ferrazzini CEO, Engineering Services for Energy Troy Travlos Business Development Manager, H2 Energy SA Enel Green Power - tbc

WEDNESDAY, 30 NOVEMBER 2022 - DAY 2

Time	Type	Speaker(s)
	<p>Country Session 6: Namibia Funding Regionally Integrated Infrastructure.</p> <p>Facilitator: Alvino Wildschutt-Prins Programme Manager: Infrastructure Pipeline development, Infrastructure South Africa</p>	<p>James Mnyupe Presidential Economic Advisor & Green H2 Commissioner, Namibian Presidency</p> <p>Eino Emvula Head of Africa, Ninety One, Namibia</p> <p>Marco Raffinetti CEO, HYPHEN</p> <p>Benedict Libanda CEO, Environmental Investment Fund</p>
	<p>Training Session 1 (register on the APP to attend) PtX training for decision makers</p>	<p>The training will provide you with a concise overview of the technical basics, economics and developments of green hydrogen and Power-to-X.</p>
12:00	Lunch & Exhibitions	
13:00	<p>PANEL 8 Opportunities for local empowerment & the skills & workforce required by a green hydrogen economy.</p> <p>Facilitator: Eudy Mabuza Senior Science & Innovation Representative, Department of Science & Innovation</p>	<p>Dr Nkosinathi Sishi Director General, Department of Higher Education & Training</p> <p>Yershen Pillay CEO, Chemicals Industry Education & Training Authority</p> <p>Dr Deon Clote Head Futures Programme, South African Institute of International Affairs</p> <p>Prof Puleng LenkaBula Principal & Vice Chancellor, University of South Africa</p>
	<p>Arup Presentation Catalysing a regional hydrogen economy</p>	<p>Andy Mace Director, Arup</p> <p>Damane Hlalele Director, Arup</p> <p>Nick Ash Associate Director, Arup</p>
	<p>Technical Session 7 Hydrogen for a mobility: Greens trucks and busses.</p> <p>Facilitator: Likhona Mnguni</p>	<p>Andrew Kirby President & CEO, Toyota South Africa - (tbc)</p> <p>Pat Nodada Executive Group Chief Executive Officer, Busmark South Africa - (tbc)</p> <p>Mashudu Ramano Founder & CEO, Mitochondria Energy Company</p> <p>Manuel Fonseca Business Developer, PRF</p>
13:00	<p>Technical Session 8 Better data for better decisions.</p> <p>Facilitator: Dr Hubert Joynt Head of the Centre of Excellence, Infrastructure South Africa</p>	<p>Zaffar Hussain PtX Lead South Africa, Agora Energiewende</p> <p>Prof Dr Anicia Peters Head, Namibian Green Hydrogen Institute</p> <p>Dr Thomas Roos Principle Research Engineer, Council for Scientific and Industrial Research (CSIR)</p> <p>Celeste Renaud Analyst, Meridien Economics</p> <p>Kesh Mudaly Principal, Boston Consulting Group - (tbc)</p>

WEDNESDAY, 30 NOVEMBER 2022 - DAY 2

Time	Type	Speaker(s)
	Training Session 2 (register on the APP to attend) Introductory PtX training for decision makers	The training will provide you with a concise overview of the technical basics, economics and developments of green hydrogen and Power-to-X.
14:00	Exhibition/ Speakers Corner	
15:15	Key Take-Aways and Vote of Thanks	
16:00	Networking Cocktails & Snacks	

THURSDAY, 1 DECEMBER 2022 - DAY 3

Site Visits (by invitation only)

Innovation Day - Western Cape

VIP Boegoeberg se baai