

Day 2: May 24th Morning

9:00 h *Session: Logistics of Green Hydrogen between Africa and Germany/EU*

Green Hydrogen Production, Transportation and Utilization in the Marine Sector

Dr. Han Sol Jung / KSOE / South Korea

Hydrogen Economy in Middle Germany

Tobias Richter / HYPOS / Germany

Materials Compatibility for Safe Hydrogen Applications

Prof. Dr. Böllinghaus / BAM / Germany &

Dr. Chiguvare / UNAM / Namibia

Creating a Global Hydrogen Market – Opportunities and Challenges for African Countries

Ann-Kathrin Lipponer / IRENA / Germany

10:30 h **Coffee and Networking Break**

11:00 h *Session: Efficient Production of Green Hydrogen in Africa (continued)*

The Role of Capacity Building, Certification and Technology Developments for a Green Hydrogen Market in Africa

Dr. Ilse Klemens / Fraunhofer IMWS / Germany

Economic Perspectives for a Free-carbon Economy

Based on Sustainable Energy in Morocco

Prof. Dr. Samid Rachidi / IRESEN / Morocco

Green H₂ – Feasibility Study for Green Hydrogen in Namibia

Dr. Chokri Boumrifak / DECHEMA / Germany

mysol PV – First Integrated Manufacturing Plant for Solar Modules in Morocco

Prof. Dr. Ralf Wehrspohn / ITEL / Germany

Seawater Desalination, Brine Disposal and Treatment for the Green Hydrogen Industry in Namibia

Dr. Daniel Frank & Robert Schmidt / DECHEMA / Germany

Day 2: May 24th Afternoon

13:00 h **Lunch Break**

14:00 h *Podium Discussion on Stage: Economic opportunities for Africa Along the Value Chain of Green Hydrogen*

Prof. Dr. Jörg Bagdahn / HSA / Germany

Prof. Dr. M. Samir Rachidi / IRESEN / Morocco

Prof. Dr. Kenneth Matengu / UNAM / Namibia

Dr. Gunar Hering / Enertrag / Germany

Nana Yaa Serwaa Sarpong

Moderation: Prof. Dr. Markus Holz / HSA / Germany

15:30 h **Closing Remarks and end of the forum**

Prof. Dr. Markus Holz / HSA / Germany

Prof. Dr. Cornelia Scott / HSA / Germany

17:00 h **Visit to the traditional winery of Hochschule Anhalt on the Wallada hill**

Comfortable shoes and rain protection are advised for this walking tour

A bus tour to renewable power sites in the vicinity of Bernburg will take place on the 25th. There are limited seats, please indicate on the registration form if you are interested in joining the tour.

Further Information

The forum will be held in the *Innovationswerkstatt* building in our Campus Strenzfeld, located 5.3 km from Bernburg's railway station.

There are taxis available in the city centre. The bus lines 112 and 115 connect to our campus.

Conference Website



<https://t.ly/vDv->

Location in Bernburg Innovationswerkstatt



https://t.ly/_FR6

Registration Form



<https://t.ly/h4-6>

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GERMAN-AFRICAN GREEN HYDROGEN FORUM

23 - 25 May 2023

Bernburg (Saale), Germany
and online



About the Forum

Green hydrogen is seen as a cornerstone of the energy transition and decarbonization efforts of industry, transportation and the utilities sectors. The binding goal of the EU and Germany to reduce net zero carbon emissions by 2045 will substantially increase the demand for green hydrogen as an important carbon-free substitute for fossil fuels.

The World Energy Council expects an annual demand of 60 million tons (equivalent 2.000 TWh) hydrogen and its derivatives (especially ammonia and methanol) in the EU until 2050. It is estimated that the EU can produce less than half of its needed hydrogen by 2050, and will need to import the rest.

African coastal countries therefore have the opportunity to become net exporters of their carbon-free regenerative energy in the form of hydrogen and its derivatives and to enable better economic growth and generate wealth on the African continent.

The large-scale production, transport and storage of green hydrogen will require large investments in the development of knowledge and training, logistics and capital goods – for both the EU and African countries. Thus both European and (coastal) African countries are facing great challenges in the future development of the green hydrogen economy.

It is important to discuss these challenges at an early stage and to devise purposeful strategies. This is done best in the form of a collaborative dialogue between Germany and African countries. Saxony-Anhalt and the Anhalt University of Applied Sciences are recognized within Germany and the EU for their leading roles and long tradition with respect to regenerative energies and would therefore like to invite you to the German-African Green Hydrogen Forum.

Welcome!

We at Hochschule Anhalt are glad to invite you to exchange experiences, network and discuss green hydrogen opportunities and challenges.

Registrations are open. Please find the address of the registration website on the back of this flyer. Our conference will also offer an **online livestream**. The link will be sent to those who registered for online participation.



With funding by:



SACHSEN-ANHALT

Ministerium für
Wissenschaft, Energie,
Klimaschutz und Umwelt

Day 1: May 23rd Morning

08:00 h Registration

09:00 h Welcome Session

Prof. Dr. Bagdahn / HSA / Germany
Till Mansmann / BMBF / Germany

09:30 h **Session: Financing Green Hydrogen Infrastructure and Equipment Investments**

- Financing Green Hydrogen Projects in Ghana
Dr. Gertrude Amoakohene / GCTU / Ghana
- Finance and Risk Management of Green Hydrogen
Prof. Dr. Jürgen Peterseim / PWC / Germany
- Green Hydrogen: An opportunity for Africa that enhances Collaboration
Fred Kabanda / African Development Bank / Côte d'Ivoire
- Financing Renewable Energy in Africa – Opportunities, Challenges and Unknowns
Christian Toben / Commerzbank AG / Germany

11:05 h Coffee and Networking Break

11:35 h **Session: Efficient Production of Green Hydrogen in Africa**

- Green Hydrogen from Renewables – What We Need
Dr. Carsten Bühner / PNE AG / Germany
- Water Issues related to Hydrogen Production in Pecém Harbor
Prof. Dr. José Araruna / PUC Rio / Brazil
- Potential of Wind Energy in Morocco and Tunisia for Producing Green Hydrogen
Prof. Dr. Chouaib Benqlilou / ENSMR / Morocco
- H2Global meets Africa
Leon Schumm & Prof. Dr. Michael Sterner / OTH Regensburg / Germany

Day 1: May 23rd Afternoon

13:10 h Lunch Break

14:30 h **Session: Education and Training Requirements for the Green Hydrogen Economy**

- Building the Workforce for the Green Hydrogen Economy - Opportunities and Challenges for Africa
Christiane Naumann / DCG / Germany
- Education and Training Activities of the Competence Centre H2Safety@BAM
Dr. Kai Holtappels / BAM / Germany
- German System of Apprenticeship Education
Luise Maudanz / ZWH / Germany

15:40 h Coffee and Networking Break

16:10 h **Session: Involving African Local Economy and Society in the Green Hydrogen Value Chain**

- The Green Hydrogen Value Chain for Namibia
Dr. Zivayi Chiguvare / UNAM / Namibia
- Exploring the Socio-Economic Impact of Green Hydrogen Production on Local Communities in Namibia
Toni Beukes / HYPHEN / Namibia

16:55 h Anhalt University – Skill Set Opportunities for International Students
Prof. Dr. Lothar Koppers / HSA / Germany

17:10 h End of the first day