Day 2: May 24th Morning

Session: Logistics of Green Hydrogen 9:00 h 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

Coffee and Networking Break 10:30 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



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 / Ghana *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



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.



Location in Bernburg Innovationswerkstatt





https://t.ly/vDv-

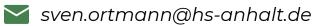
https://t.ly/_FR6

Registration Form



https://t.ly/h4-6

Contacts





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 or 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:



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 Financing: Opportunities for Africa's • Development
- 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 Bührer / 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 of 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 Session: Education and Training 14:30 h 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 Session: Involving African Local Economy 16:10 h 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 Anhalt University – Skill Set Opportunities 16:55 h for International Students Prof. Dr. Lothar Koppers / HSA / Germany

17:10 h End of the first day