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**

11:05 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 / 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

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

Contacts

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HOCHSCHULE ANHALT University of Applied Sciences

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.

HOCHSCHULE ANHALT University of Applied Sciences

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 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 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**