

# Green Hydrogen Pathways in Europe & Africa:

## Sustainable Cooperation for a 'Net Zero' Economy?

December 4, 2023

3.00 - 4.30 pm GST

Expo City Dubai SE Room 8, Livestream:

<https://www.youtube.com/c/Unfccclnt/playlists>

Countries around the world have set ambitious green hydrogen targets, not only for its domestic production but also its import. Given their significant renewable energy potential, a range of African countries are well-positioned to play a leading role in this emerging international market. Yet, uncertainties remain manifold, ranging from the development of transport infrastructure to an evolving regulatory and standardization landscape, to questions of domestic value creation and technology development. This event will explore the prospects for cooperation between Europe and Africa in this context. How can an international hydrogen economy support European and African ambitions within a future 'net zero' economy? What is needed to develop sustainable partnerships in the context of an emerging hydrogen economy? How can climate justice, Just Transition, and sustainability concerns be considered?

## Agenda

- 15:00** Setting the scene: Green Hydrogen, climate justice, and COP28  
*Angela Oels, University of Augsburg/Deutsches Klima Konsortium*
- 15:05** Green Hydrogen in Europe and Africa – A Cornerstone for a Joint Greenhouse Gas Neutral Future  
*Heidi Heinrichs, Forschungszentrum Jülich*
- 15:10** Socioeconomic challenges and potential for H2. A perspective from West Africa  
*Moumini Savadogo, AKADEMIYA2063*
- 15:15** Hydrogen production, transportation, and end-use  
*Chinnan Maclean Dikwal, Africa Energy Council*
- 15:20** Hydrogen in an integrated energy transition: learnings from the UK  
*Kirils Holstovs, AECOM / Net Zero North East England / Newcastle University*
- 15:25** Enabling sustainable, green hydrogen in African countries  
*Amos Wemanya, PowerShift Africa*
- 15:30** Geopolitical challenges in EU and Africa  
*Rainer Quitzow, Research Institute for Sustainability – Helmholtz Centre Potsdam*
- 15:45** **Moderated discussion**  
*Charlotte Unger, Research Institute for Sustainability – Helmholtz Centre Potsdam*
- 16:10** **Questions and discussion with the audience**

## With the participation of:



**Dr. Heidi Heinrichs** heads the “Energy Potentials and Supply Pathways” group at the Forschungszentrum Jülich. Her main research interests are green and sustainable hydrogen for the world and material bottlenecks of the energy transition.



**Dr. Charlotte Unger** is Senior Research Associate at the Research Institute for Sustainability Helmholtz Centre Potsdam and works on global climate policy and governance.



**Dr. Chinnan Dikwa** is the Vice Chair of the Board of Directors of Africa Energy Council and works on hydrogen production, transportation, end-use, and renewable energy development and integration.



**Kirils Holstovs** is an Engineer at AECOM and a member of the Hydrogen Working Group working to advance the hydrogen economy in the North East of England



**Dr. Moumini Savadogo** is the Managing Director of AKADEMIYA2063 and Chair of the West African steering committee on the Green Hydrogen Atlas under the Go Green Go Africa initiative.



**Amos Wemanya** leads the Just Energy Transition aspects of Power Shift Africa’s research, advocacy, communications and focuses on renewable energy and climate justice in Africa.



**Prof. Dr. Rainer Quitzow** leads the group Geopolitics of Transitions in Energy and Industry at the Research Institute for Sustainability Helmholtz Centre Potsdam and is professor of Sustainability and Innovation at the Technische Universität Berlin.



**Prof. Dr. Angela Oels** is professor of political science and climate politics at the Centre for Climate Resilience, University of Augsburg and Deputy Chairwoman of the German Climate Consortium (DKK).