

GREEN HYDROGEN FACTSHEET

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ABOUT THE H2 ATLAS-AFRICA

H2 ATLAS-AFRICA is a technological, environmental and socioeconomic feasibility assessment is a joint project that is being implemented by;

Forschungszentrum Julich GmbH (LEAD German partner and project coordinator), Germany
West African Science Service Centre on Climate Change and Adapted Land Use (WASCAL), Accra – Ghana
Southern Africa Science Service Centre for Climate Change and Adaptive Land Management (SASSCAL) Windhoek Namibia
Other associate partners include relevant German industries; the SADC Centre for Renewable Energy and Energy Efficiency (SACREEE), and the ECOWAS Centre for Renewable Energy and Energy Efficiency (ECREEE).

The H2 Atlas -Africa Project is the first phase of a joint initiative of the German Federal Ministry of Education and Research (BMBF) and African partners in the sub-Saharan region (SADC and ECOWAS countries) to explore the potentials of green hydrogen production from the enormous renewable energy sources within the sub-regions.

AIMS & OBJECTIVES

The aim is to support sustainable and economic development through a viable hydrogen economy with a high potential to make Africa an exporter of green hydrogen, hence gaining even more relevance in international energy markets.

The project is focused on assessing the potential of generating hydrogen in sub-Saharan Africa from the renewable energy resources in the region. It will focus on detailed technological, environmental, economic and social feasibility assessment taking present and future local energy demands into consideration. It will assess the availability and suitability of land and water resources while taking into account land use for agriculture and local demand for water.

POST GRADUATE STUDIES PROGRAMME

The International Master Programme in Energy and Green Hydrogen (IMP-EGH) is designed to prepare the next generation to address the energy challenges of adaptation and resilience to Climate Change in West Africa. The programme equally allows for a better understanding of present-day energy infrastructures in West Africa, their strengths and weaknesses, energy policies, practices in a Changing Climate context and the search for sustainable solutions.

The 24-month programme is run in partnership with Forschungszentrum Jülich GmbH and RWTH Aachen University, Germany, with funding from the Federal Ministry of Education and Research, Germany (BMBF).

It seeks to prepare and train a new generation of interdisciplinary professionals capable of proposing adapted solutions to the ongoing energy crisis in West Africa.

The programme also provides training on state-of-the-art tools used in renewable energy, green hydrogen technology and policy with the view of training adequate human resources to boost the sector of energy technology and guide policy formulation across West Africa with special focus on green hydrogen technology.

The programme currently provides full scholarship to successful candidates from Four (4) ECOWAS member countries: Côte d'Ivoire, Niger, Senegal, and Togo.

Programmes that are currently ran are:



Photovoltaic and system analysis for green hydrogen technologies,
Université Abdou Moumouni- Niger.



Economics/policies/infrastructures and green hydrogen technology,
Université Cheikh Anta Diop- Senegal.



Green hydrogen production and technology / georesources (wind/water) and green hydrogen technology,
Université Felix Houphouët Boigny-Côte d'Ivoire.



Bioenergy/Biofuels and Green Hydrogen Technology,
University of Lomé – Togo.

CONTACT