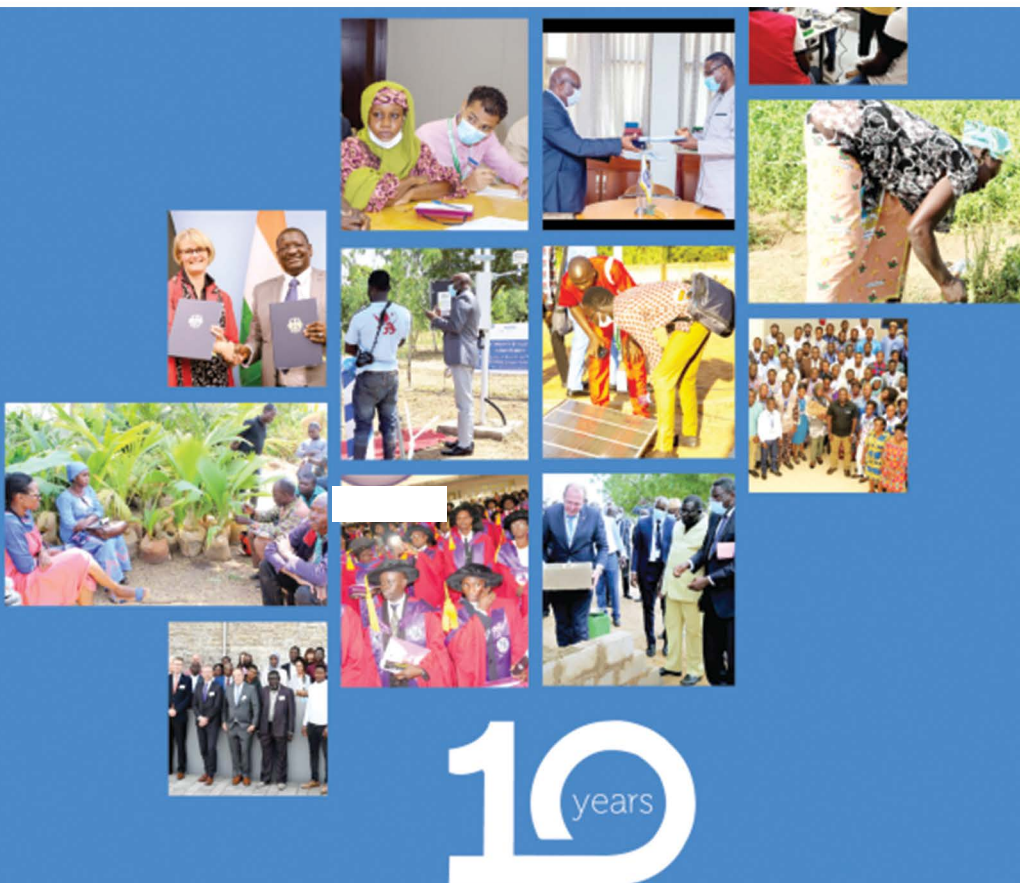


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10 years

Combating Climate Change, Improving Livelihoods

WASCAL a Decade - Celebrating 10 Years of Providing Climate Change and Green Hydrogen Solutions in West Africa

WASCAL is delighted to announce the celebration of its the 10th anniversary and to showcase its achievements to its West African and global partners. In a statement issued by Prof. Mouhamadou Hassirou, the Chairman of the Governing Board of WASCAL, he articulated the strides and enormous contributions the organization has made since its inception.

thankful for. Our mandate as a West African Centre of Excellence in combating climate change, land use and promoting sustainable green hydrogen has progressed across the various pillars on which we operate, including, the provision of climate services, research, and capacity building.

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“The last 10 years has presented a lot of reasons to be

WASCAL A Decade - Celebrating 10 Years of Providing Climate Change and Green Hydrogen Solutions in West Africa



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Our presence in West Africa, and particularly working with governments and policy makers, has accelerated our climate action for sustainable development in the sub-region. Today, the WASCAL brand has become synonymous to climate change and renewable energy within the sub-region, and beyond. The writings of our successes are boldly written on the walls as a leading actor in combating climate change and improving livelihoods, thanks to the government of Germany through the Federal Ministry of Education and Research (BMBF), for their financial and technical support since the inception of this organization". He said.

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WASCAL: West African Science Service Centre Lays Foundation Stone for new Research Building in Mindelo (Cape Verde)

The construction plans are ready, now it's time for excavators & co. On 24 February 2022, the foundation stone was laid for the new WASCAL research and administration building in the port city of Mindelo in Cabo Verde. Here, new seminar rooms, laboratories, offices and space for exchange will be created for the approximately 30 students who are completing the WASCAL Master's programme "Climate Change and Marine Sciences" there. The graduate school programme at the Atlantic Technical University of Cape Verde was launched in 2019 by the Science Service Centre WASCAL and is funded by the German Federal Ministry of Education and Research (BMBF). In order to offer students good conditions for their teaching and research, the BMBF is investing around 300,000 euros in the construction and renovation work. The laying of the foundation stone marks the start of the approximately six-month construction of the new building.

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60 “Masters” for Green Hydrogen from West Africa

With the “International Master’s Programme in Energy and Green Hydrogen” (IMP-EGH), Forschungszentrum Jülich and RWTH Aachen University want to qualify students in West African countries for the future topic of “green hydrogen”. After a kick-off last October in Niamey/Niger, the official starting signal on the German side has now been given in Jülich. The German Federal Ministry of Education and Research (BMBF) is funding the two-year course as part of the energy research program “Innovations for the Energy Transition” with eight million euros initially until 2025.

60 students from 15 countries in Africa will be trained on the basis of international standards and best practices.

Jülich and RWTH collaborate within the framework of the Jülich Aachen Research Alliance (JARA) to support the teaching and supervision of the students via online tools and visits to Africa. In addition, the students will spend a semester in Germany to gain practical experience and to write their theses.

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WASCAL and University of Augsburg Build Capacity of 50 West Africa Students



WASCAL’s Competence Centre in Ouagadougou has collaborated with the University of Augsburg, the Laboratoire de Matériaux et Environnement LA.M.E. of the University of Ouagadougou and Telecel Faso to build the capacities of 50 scientists, postdocs, students, from communications companies, research institutions and Universities across the Sub-region on how to derive

climate information data from commercial microwave links (CMLs) to better address climate change impacts in the Region.

The project, “The Improving Rainfall Information and Rainwater Usage for Adapted Agricultural Production under High Climate Variability in Burkina Faso” (AgRAIN) with funding from the German Federal Ministry of Education and Research (BMBF) seeks to improve precipitation monitoring and precipitation forecast for agricultural management decisions in Burkina Faso; optimize the collection and storage of rainwater to reduce the negative effects of the variability of precipitation on agricultural production, evaluate the effectiveness and transferability potential of the developed information and measures using remote sensing technologies.

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Memorandum of Understanding Between WASCAL and UKCEH to Establish Cooperative Climate Change Activities

WASCAL has signed a cooperation agreement with the UK Centre for Ecology & Hydrology (UKCEH) to strengthen and promote their partnership through research collaboration to establish and implement cooperative Climate Change in various research focused areas.

Through this partnership, WASCAL and UKCEH agree to establish and implement cooperation including, but not limited to, Climate and environmental services, climate modelling and seasonal forecasting, Climate Change adaptation measures, hydrology and water resources management, sustainable land use and agriculture, biodiversity conservation and ecosystems management, environmental monitoring, data management and informatics, assessment, impacts and mitigation of

environmental change, pathways to achieving net zero carbon emission, and development of nature-based solutions.

Other areas of collaboration covered in the agreement include, avenues for WASCAL and UKCEH to put their efforts together to support this initiative by identifying opportunities for bilateral exchange of research scientists, appointment of joint studentships, joint proposals' writing or collaborative research, organizing joint workshops and international conferences, identifying opportunities for the development of collaborative research programmes, resourcing staff exchange and collaborative research programmes and in investigating further funding sources to extend these opportunities. [Read More](#)



Assessing Competencies for the Waste-2-Energy Project in Gyankobaa

The technical competencies of Ghanaian technicians, engineers and supervisors were assessed with regard to the management of the German Federal Ministry of Education and Research (BMBF) funded Waste-to-Energy project in Gyankobaa, Ashanti Region.



The successful management of the waste to energy plant depends on the requisite staff who would be handling the day to day running of the plant. This was the background behind the interviews conducted for the positions advertised to find best of the candidate to fill the positions on plant supervisor, engineer, technician and laboratory technician. The candidates had a practical and theoretical session of their interviews at the workshop of Kumasi Technical University in Kumasi Ghana.

WASCAL Donates Three Automatic Hydro Sensors to the Gambia with Support from BMBF



The WASCAL Competence Centre has donated three automatic hydro sensors to the government of the Gambia to help facilitate data collection and sharing and utilization for research, education, capacity building and the provision of hydrological services for the country.

In his address, Honourable James Gomez, the Minister of Fisheries and Water Resources, on behalf of the President of the Gambia, expressed his gratitude and appreciation to BMBF and WASCAL for the donation of the equipment.

“With this donation, the Ministry of Water Resources will be able to increase the accuracy of forecast and he reiterates that information and data observations from the sensors will make Gambian Safer and better informed. We are grateful to the German Federal Ministry of Education and Research (BMBF), through WASCAL for this unprecedented gesture.” He said.

Speaking on behalf of WASCAL, Prof. Kehinde Ogunjobi, Director of Research of the Competence Centre, was empathic on WASCAL’s commitment to working with its stakeholders in developing climate services to reduce the negative impacts of climate change in the west African region.

“Climate change has no boundary, there is, therefore, a need to come together as nations and as a region to see what can be done to reduce the effect of climate change in our environment. The donated automatic hydrological sensors by BMBF will generate data for our models, to forecast and predict rainfall variability, temperature to have results in our research output which will helps scientists to redesign policies and programme to help reduce the effect of climate change on the livelihood of our society.”

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Partners on Waste-2-Energy Project Hold Biannual 5th Technical Session

Consortium of the German Federal Ministry of Education and Research (BMBF) funded Waste to Energy project has met for its 5th technical session in the Ahanti Region, to discuss activities planned for the first half of the year. The meeting was graced by the Vice Chancellor of the University of Energy and Natural Resources, Prof Elvis Asare Bediako.

The consortium also paid a site visit where the construction of the 400 kW hybrid waste to energy power-plant to treat municipal solid waste in Ghana worth Euro 5.8 million is currently ongoing.

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WASCAL Climate Change and Informatics Scholars Visit Competence Centre



As part of their training, WASCAL scholars pursuing masters in Climate Change and Informatics at the University Joseph Ky- Zerbo of Ouagadougou in Burkina Faso, visited the WASCAL automatic weather station in Bossa and research facilities at the Competence Centre in Ouagadougou.

The objective of the visit, which was the first of its kind, for the programme, was to combine theory and practice to sharpen students' knowledge. It provided a unique opportunity for the young climate data experts to experience a fully automated weather station

through its different sensors and how it operates in providing instantaneous climate variable.

Exposing on the objective of the visit, Dr. Seyni Salack, senior scientist at WASCAL competence centre, spoke about the importance of the visit

"This visit is to put all the theoretical exposure into practice for the benefit of the students to strengthen their knowledge in climate data operation and management".

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WASCAL Congratulates Senegal for Winning the 2022 African Cup of Nations

WASCAL has congratulated one of its member countries, Senegal, for winning the 2022 edition of the African Cup of Nations.

WASCAL is proud to have you as a member country in combating Climate Change and improving livelihoods in West Africa. Through the partnership between WASCAL and the Cheikh Anta Diop University of Dakar (UCAD) the void to develop effective adaptation and mitigation strategies related to climate change through the design of appropriate science-based policies in Economics has been filled with the full scholarship programme in Climate Change Economics (CCEcon).

WASCAL also runs the International Master Programme in Energy and Green Hydrogen (IMP-EGH) at the same University - both, with funding from the Federal Ministry of Education and Research (BMBF).

Once again, congratulations to all our Senegalese partners.

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WASCAL'S Graduate Studies Programme Director in Futminna Receives Vice Chancellor's Award



The Director of WASCAL Climate Change and Human Habitat, Prof. Apollonia A. Okhimamhe has received the award of special recognition for distinguished accomplishments in University Governance and for Invaluable Contributions to the High Performance of the Federal University of Technology, Minna between December 2017 and November 2020.

She was presented with the award by the Vice Chancellor of the University, Prof Abdullahi Bala, during the annual university management retreat of the university.

In a related development, Prof. Okhimamhe was appointed University Orator for the Institution's 30th Convocation Ceremony.

Congratulations to the leadership, WASCAL scholars and alumni of WASCAL-FUTMINNA for this great feat for the award of the exceptional performance in university governance at the Federal University of Technology, Minna (FUTMINNA).

A special mention to the GSP Director, Prof. Appollonia Okhimamhe.

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