

NUMBER OF THESE WRITTEN SO FAR

29



INVESTMENT BY BMBF SO FAR

€3,242,379

Investment breakdown per each batch:

First and Second batches: (November 2011 to February 2016): € 1,776,237

Third batch (March 2016 to September 2019): €735,880

Fourth batch: (September 2019 to date) €730,262



Combating Climate Change.
Improving Livelihoods

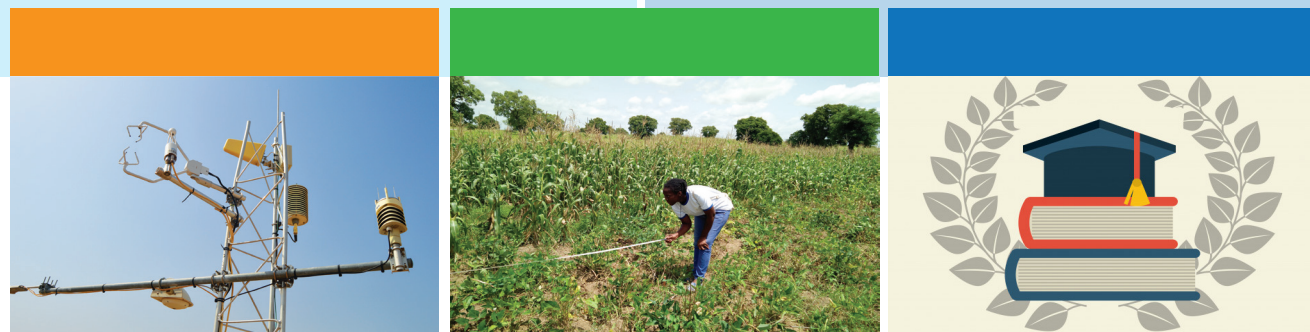


www.wascal.org

FACTSHEET

Doctoral Research Programme in West African Climate Systems at Akure, NIGERIA

Director in Charge of Programme: Prof. Z. Debo Adeyewa



VISION

WASCAL seeks to become one of Africa's leading institutions in the provision of climate and environmental services in and for West Africa.

OUR MISSION

WASCAL seeks to provide information and knowledge at the local, national and regional levels to its West African member countries to cope with the adverse impacts of climate change. We do this through Capacity Building support to young West African Scholars in fields of natural and social sciences and by strengthening West African universities and climate service departments in WASCAL member countries. We combat climate change and improve livelihoods.

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WASCAL Capacity Building Programme facilitates academic education amongst 12 West African universities in collaboration with German institutions through the Graduate Studies Programme (GSP). Each programme selects students from each of the WASCAL member countries through open calls for applications (scholarship and fee-paying students). WASCAL has since 2012, maintained its strong commitment, under the sponsorship of the German Federal Ministry of Education and Research (BMBF) to provide climate change solution through capacity building by helping educate the next generation of scientists attain an in-depth knowledge of different climate related issues in order to help the region develop suitable management strategies.

English language is used as the main language of instruction. Both Masters

and Doctoral students are expected to participate in four months language training in English (University of Cape Coast, Accra-Ghana) and French (University of Lomé - Togo) for Anglophone and Francophone students respectively.

PROGRAMME RELEVANCE TO CLIMATE CHANGE

Changing climatic conditions as well as human activities such as agricultural intensification leads to changing land cover patterns such as deforestation and desertification. To better understand the impact of climate change on land cover and the social-ecological system, Doctor of Philosophy students pursuing this programme are trained in the use of state-of-the-art modeling tools for the analysis of environmental and socio-economic scenarios.

They produce quantitative results for scenarios development and the assessment of the impacts of climate change on land cover and the environment with the aim of proffering the most suitable adaptation measures to minimize

these impacts in the West African sub-region.

The programme is combating climate change through its training activities and research output that are geared towards:

| | |
|---|---|
| Manpower development and enhancement of skills for stakeholders to combat and manage the climate system | Predicting extreme weather and climate conditions; the impacts of climate change and variability on coastal urbanization, agroforestry, energy demand, hydrology and water resources and rainfall onset and cessation over West Africa. |
| Development of climate services, as well as adaptation programs. | Provision of public awareness as well as policy advisory to governments and non-governmental agencies on climate change. |
| | Improving the forecast and management of weather and climate system over west Africa |

HOST UNIVERSITY

The WASCAL Doctoral Research Programme in West Africa Climate System is hosted by The Federal University of Technology, Akure (FUTA), Nigeria. The top ranking University of technology in Nigeria was established in 1981 in the southwestern region of Nigeria. The University has grown tremendously over the years, stretching its academic disciplines and research across eight different schools and over fifty academic departments. One of the key departments in the University is the Department of Meteorology and Climate Science. It is an accredited institution of the World Meteorological Organization (WMO) and has trained numerous personnel for WMO across Africa over the years.


over 800
academic
staff


about
25,000
students

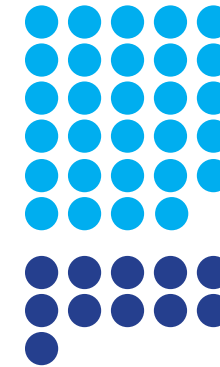
Vision

To be a world class University of Technology and a centre of excellence in training, research and service delivery; to promote technological advancement by providing conducive environment for research, teaching and learning engenders development of products that are technologically oriented, self-reliant and relevant to society.

BENEFICIARIES SO FAR (2012-2020)

40 West African students

Full scholarship scheme: accommodation, tuition, travel, and cost of research.

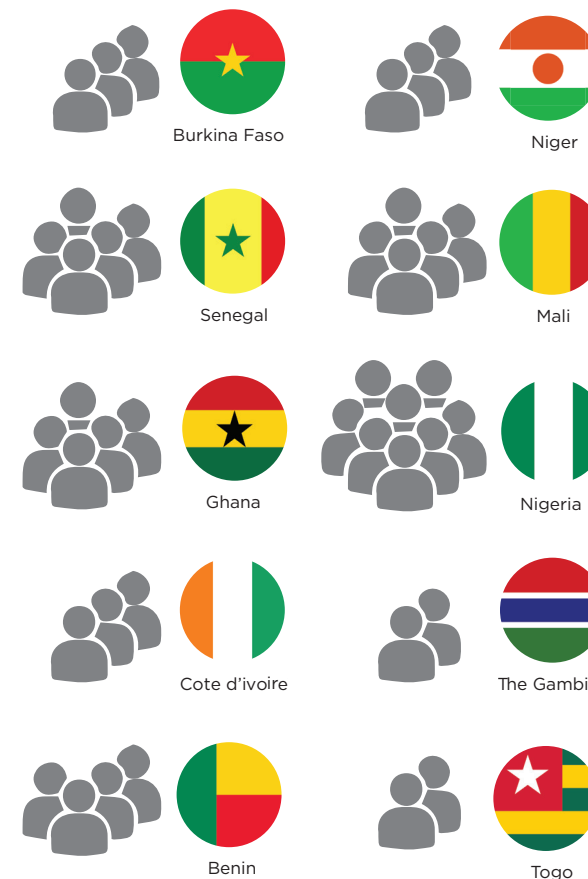


29 graduated
2012 to 2019

11 students
in 4th batch

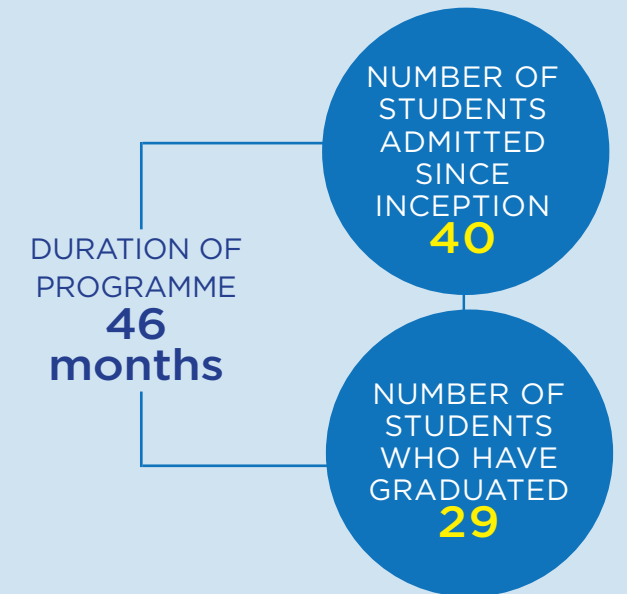
admitted in 2019
• completion in 2022

COUNTRY BREAKDOWN OF BENEFICIARIES SO FAR



MODE OF ADMISSION

Call for application (through advert) for scholarship as well as for fee-paying students and then selection through the relevant committee with the involvement of the School of Postgraduate Studies (SPGS). Recommendations are then sent to the International Advisory Board.



IMPACT

- The Programme has successfully trained and empowered individuals across West Africa who are now consultants to organizations like the World Meteorological Organization, World Bank, and the Intergovernmental Panel on Climate Change
- Graduates have been quite productive, attracted grants to their individual organizations.
- Graduates have made significant contributions to the scientific and economic advancements of their institutions and countries.
- Beneficiaries of the scholarship schemes have become leaders in their respective domains, making their contributions, changing the world positively and bringing goodwill to WASCAL and visibility to BMBF.
- Providing improved prediction, adaptation and management of the climate system over West Africa.