

BENEFICIARIES BY GENDER

17



5



INVESTMENT BY BMBF SO FAR

€956,282

Investment
breakdown
per each batch:

First and second
batch:
(since 2019):
€ 956,282



Combating Climate Change.
Improving Livelihoods

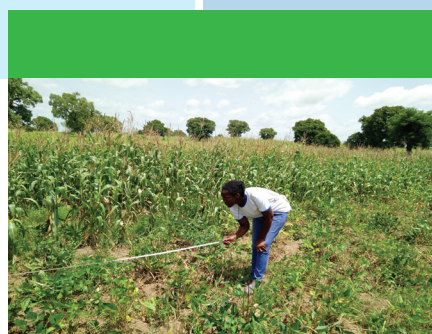


www.wascal.org

FACTSHEET

Master Research Programme in Informatics for Climate Change, BURKINA-FASO

Director in Charge of Programme: Prof Tanga Pierre Zoungrana



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

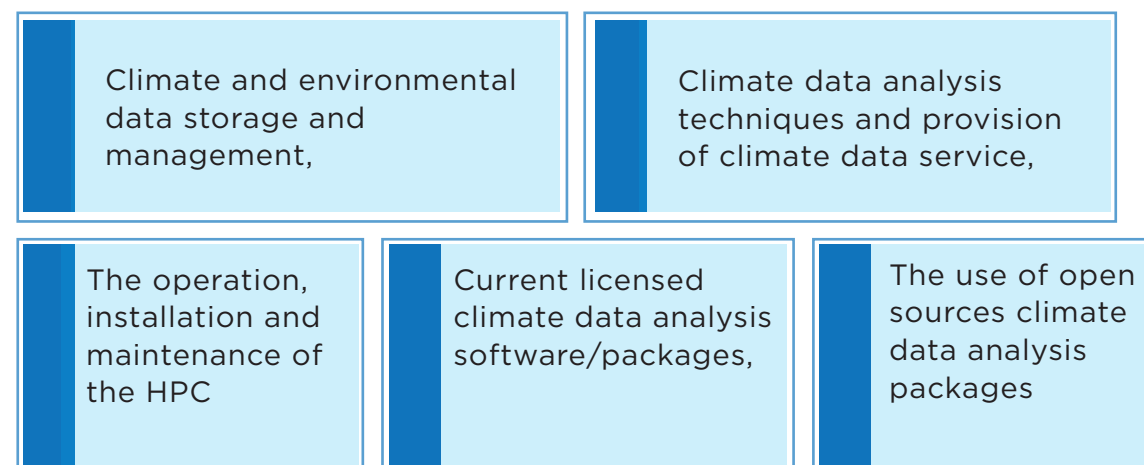
The Master Research Programme in Informatics for Climate Change (MRP-INFORMCC) is implemented at the Université Joseph KI-ZERBO (Burkina Faso) in partnership with the University of Würzburg (Germany) and the support of WASCAL and BMBF. MRP-INFORMCC is aimed at training a critical mass of experts with adequate scientific computation and climate data management skills in West Africa. This Master programme includes all aspects of data management and administration of

high-performance computing facility that will be used to run regional climate models and its auxiliaries for operational and research institutions and universities in West Africa. Student will be exposed to interdisciplinary and trans-disciplinary approaches to climate data analysis and management skills as well as operations and maintenance of HPC systems.

Due to the projected high level of vulnerability to climate change of the ever increasing population in West Africa, the lack adequate ability for adaptation coupled with the poor capacity to effectively carry out reliable data and high

computing analysis, establish and manage needed climate data platform, there is an urgent need to develop strong human capacity in this areas. The programme will train a critical mass of experts with adequate scientific computation and climate data management skills. This will help for solving these issues and the uncertainties in key climate change concerns.

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



These skills offer several opportunities for the graduates. They can pursue doctoral studies or undertake professional careers in meteorological agencies, research centers, universities, public administration, private sector, NGOs, International Institutions, etc.

HOST UNIVERSITY

The Université Joseph KI-ZERBO, started running the WASCAL Master Research programme in 2019. The University was created in 1974 with only 374 students. In 2020, it involves more than 45,000 students



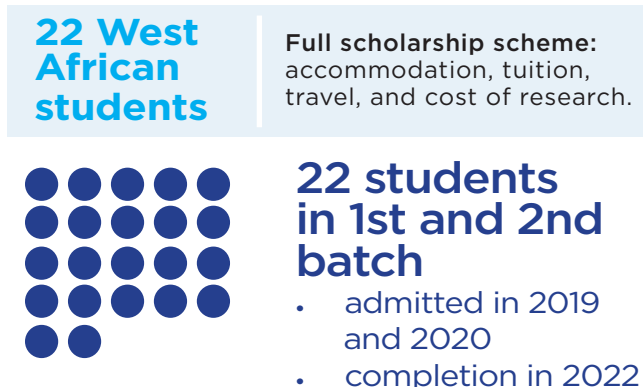
with nearly 13,000 new baccalaureates graduated per year in the first year of Bachelor's degree. It is the first University of Burkina Faso.

It has five (05) Training and Research Units, six (06) Institutes and four (04) Doctoral

Schools with more than seventy-five (75) programmes and fifty-four (54) Laboratories. These programmes and laboratories cover various fields: Humanities, Arts, Communication, Science and Technology, Health, Environment, Climate Change, etc.

The Université Joseph KI-ZERBO is ranked in recent years among the best Universities in Francophone Africa. It ranks a good position at the international level in terms of scientific production, presence and participation in scientific forum, etc.

BENEFICIARIES SO FAR (2019)

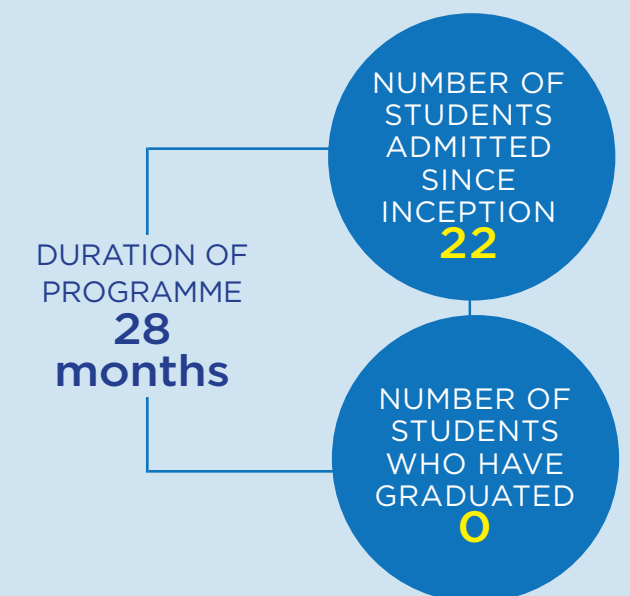


COUNTRY BREAKDOWN OF BENEFICIARIES SO FAR



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 Prost-graduate Studies (SPGS). Recommendations are then sent to the International Advisory Board.



IMPACT

- The programme will build a strong institutional anchorage for the school in the Université Joseph KI-ZERBO .
- It will also promote the programme on the national and international levels and involve all national and international partners who can contribute technically and/or financially to the development of our programme.
- International lecturers will be involved in the programme.
- Platform for online courses will be used as complementary tool to classroom courses
- The programme is estimated to increase the number of students (with fee paying students).