

A MASTER PROGRAM IN BIODIVERSITY INFORMATICS

THIS IS NEW !

A VERY FIRST IN AFRICA!

DEAR STUDENTS,

THIS IS FOR YOUR

INTEREST !

Master training programs already exist at the Faculty of Agricultural Sciences of the University of Abomey-Calavi (Benin), enabling the training of skilled graduates who are contributing remarkably to the sustainable management and conservation of natural resources. However, in the current context of climate and global changes that result in constraints over the sustainable management of biodiversity as well as risks of spreading of infectious diseases (e.g., Lassa fever and et Ebola) which vectors are living organisms, it is urgent to engage students in innovative areas of specialization so that they acquire adequate capacities to address the new challenges. The Master program in Biodiversity Informatics is launched to meet this expectation.

OBJECTIVES OF THE PROGRAM

In the context of climate and global changes capacitate trainees to

- . Use Geographic Information System to map spatial distribution of species;
- . Model the current as well as the future ecological niche of species;
- . Refine the knowledge on particular taxonomic groups;
- . Define priority zones of biodiversity conservation;
- . Develop strategies of species conservation;
- . Implement biodiversity conservation strategies;
- . Predict the risks of propagation of infectious diseases which vectors are living organisms, so as to support preventive actions.

ADMISSION REQUIREMENTS

Any student willing to get enrolled in the Master program should send his/her application composed of a cover letter with the following attachments:

- Certified copy of the birth certificate;
- Certified copy of the school living General Certificate
- Certified copies of academic transcripts of previous training completed;
- Certified copy of the bachelor or any other relevant diplomas;
- English language certificate for French speaking students and French language certificate for English speaking students (lectures will be in French and in English);
- A demand for enrollment duly signed;
- A curriculum vitae;
- A certified commitment to pay the tuition fees;
- Application evaluation fees of FCFA 12 000

Application period

1st June to 15 September of each year

Annual tuition fees

FCFA 651 200 for Beninese and FCFA 851 200

for other nationalities

Contact details

Phone: +229 66 36 37 70 / +229 97 48 12 80

E-mails : ganglocj@gmail.com

augustin.aoudji@gmail.com

ENTRY PROFILE

- . This Master program is suited to holders of the following grades in agricultural sciences: bachelor, Diploma of General Studies in Agronomy, Agricultural Engineer or any other equivalent diploma.
- . This Master is also opened to holders of bachelor in Geography, Natural Sciences or any equivalent diploma.

CAPACITIES ACQUIRED IN THE COURSE OF THE PROGRAM

On completion of the 2 years training in the program, the holder of the Master in Biodiversity Informatics will be endowed with the following skills or profile:

- Specialist of the modeling of the spatial distribution of species and their ecological niches in the context of climate and global changes;
- Expert in Geographic Information System applied to the mapping of the spatial distribution of species;
- Expert in the definition of priority zones of biodiversity conservation;
- Expert in the conception, elaboration and implementation of biodiversity conservation strategies in the context of climate and global changes;
- Expert in preventing risks of spreading of diseases which vectors are living organisms;
- Consultant in Biodiversity Informatics.

POSSIBLE EMPLOYMENT OPPORTUNITIES TO THE GRADUATES OF THE MASTER PROGRAM

The holder of the Master in Biodiversity Informatics will be capable to:

- . Use his/her skills in teaching and research institutions in Biodiversity Informatics in Benin, Africa and worldwide
- . Use his/her skills in the prospective and planning Department of the Ministry of the Environment
- . Use his/her skills in the prospective and planning Departments of the Ministry of Agriculture and NGOs;
- . Use his/her skills in the Departments of the Ministry of health to support the prevention of risk of spreading of diseases which vectors are living organisms;
- . Work independently as expert consultant in the field of the conservation and sustainable management of natural resources.
- . Etc.