



# FRAME

Fostering Research & Intra-African  
knowledge transfer through  
Mobility & Education



## FRAME Project Description

The project, Fostering Research and Intra-Africa knowledge transfer through Mobility and Education (FRAME) aims at strengthening research and education exchange to help finding solutions to the challenges of Food, Energy and Water Security (F.E.W.S) in Africa amid increased pressure from climate change, population, development and related impacts. FRAME has five African university partners (i.e. Buea, Cameroon; Hawassa, Ethiopia; KNUST, Ghana; Free State, South Africa and NUST, the applicant and coordinator, Namibia) with University of Twente, Faculty of ITC and Namibia Qualification Authority as technical and associate partners respectively.

The objective of FRAME is to implement mobility via a strong graduate research and studies programme (GRSP) on Food, Energy, and Water Security (F.E.W.S) with a suite of academic programmes that contribute to this topic. The GRSP model is based on the research plan built on the needs of partner countries and using university centres as hosts of the mobility beneficiaries. Using GRSP, FRAME seeks to foster an integrated approach that encourages multi and trans-disciplinarily research aimed at contributing to the capacity required to improve F.E.W.S in partner countries.

The composition of the graduate degree programmes on offer and the existing overlap in thematic fields allows for academic mobility and research in this scheme that is beneficial for each partner. For example, countries with a similar defined need in agricultural sciences (Namibia, Cameroon, Ethiopia and Ghana) still offer different areas of specialisation within their programmes: Crop production/crop protection, Agronomy, Agroforestry, Soil Science, Agricultural economics, and Animal science. Ghana, South Africa and Namibia offer expertise in Energy technologies which others tap into while Namibia has a strong and proven natural resources management track record that is shared with partner universities.

Some of the programmes chosen are research based aimed to increase research skills and capacity of students and also increase research outputs. Through the combined areas within the consortium, the diversity of the programmes is targeted considerable so that students can either expand their study spectrum or to acquire specialisations. In case of non-degree mobility, mobility up to 9 months are offered to comply with an area that matches the previous degree of the applicant to enhance future academic career options and employability.

## Description and Number of Positions

Field/discipline: Natural Resource Management  
Type: Masters in Wetlands Ecology and Management (WEM)  
Number: 2 scholarships  
Position Duration: 24 months  
Mobility Scholarship duration: 24 months

## Host Academic Programme

Description the academic programme in terms of main learning outcome/qualification, credits, assessments, minimum and maximum duration, possible employment opportunities, and some information on accreditation/registration. More details must be obtainable via link that must be in the space. Make sure that all the website links provided are working

Wetlands ecology and biodiversity are of importance nationally and internationally, owing to the goods and services they provide –water supply, climate regulation, food, sink for nutrients, touristic and aesthetic uses,



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as well as refugia for several organisms, just to name these. This has attracted a lot of anthropogenic intervention leading to the transformation of several important national and international wetlands. Of utmost importance to Cameroon, just like other African Countries, is the use of wetlands for water supply for various uses. For this reason, the ecology and management of wetlands is always link to the management of catchments.

The unfortunate outcome has been the observed massive catchment degradation, portable water shortages, water contamination and diseases. This course is designed to address these, and many other problems associated with the management of wetlands and catchments.

It provides professional training to current and potential workers in the conservation, water and catchment management sector that combines ecological knowledge of wetlands and catchments with professional knowledge in several related fields. Such holistic training would go a long way to reduce portable water shortage, water-related diseases and improve on catchment and recharge zones in Cameroon.

### Description of Host

The department of Botany and Plant Physiology in the Faculty of Science engages in teaching, research and outreach community activities in Botany, Plant Physiology, Wetlands and Catchment Management, Wetlands Ecology and related fields. It offers Bachelors, Masters, and Doctorate Degrees in its related field. The department has available trained personnel that can cover the different specialties. Where necessary, staff shall be co-opted from other departments of the University of Buea.

**Research interest:** forest ecology and biometrics; Plant Ecology and Hydrobiology; Forest Ecology and Agroforestry; Forest Ecology and Biotechnology; Botany, Plant Ecophysiology; Eco-toxicology; Aquatic biology; Soil Chemistry.

### Research Project: Individual and independent ongoing research projects

#### Faculty and areas of expertise:

- Chuyong George(PhD), Professor of Forest Ecologist and Biometrics
- Egbe Enow Andrew (PhD), Professor of Forest Ecology and Agroforestry
- Fonge Beatrice ( PhD), Professor of Plant Ecology and Hydrobiology
- Eneke Bechem (PhD), Professor of Forest Ecology and Biotechnology
- Pascal Tabi Tabot(PhD) Lecturer of Botany and Plant Ecophysiology
- ANYINKENG Nicolina (PhD), Lecturer of Eco-toxicology
- Dr Awo Miranda Egbe (PhD), Lecturer of Aquatic biology
- Aaron Tening (PhD), Professor of Soil Chemistry

### Position requirements

#### University/Department Admission requirements

- i. Prospective applicants should be holders of Bachelors Degree (at least Second Class Honours, Lower Division) in Botany, Plant Science, Zoology, Environmental Sciences, Microbiology, Management, Geography, Sociology or Engineering.
- ii. Holders of a Pass degree in the required disciplines with relevant postgraduate diploma from a recognized University or at least five years of field experience and evidence of research publication since graduation can apply.
- iii. English is the language of instruction. English Proficiency Certificate is required for applicants whose first language is not English.



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### Graduation requirements:

To qualify for graduation, candidate must satisfy the usual requirements set out by the University of Buea and the Department of Botany and Plant Physiology.

The following conditions must be fulfilled:

1. Earn at least 120 GPA credits
2. Pass in all compulsory courses
3. Successful defence of a research project before and approved panel
4. Score a cumulative GPA of at least 2.0 on a scale of 4.0.

### Scholarship Position Benefits

- Settling Allowance  
600 €
- Monthly Subsistence Allowance  
600 €
- Allowance for female scholarship holders  
(per academic year only for mobility equal or longer than 2 academic years) 600 €
- Research Costs  
(per academic year only for mobility equal or longer than 10 months) 600 €
- Insurance Costs  
75 €/ per month
- Travel and Visa Costs

### Who can apply (Scholarship Eligibility)

All applicants must have studied and obtained a qualification at any African Higher Education Institution. In addition:

- **Target Group 1 (TG 1):** Nationals and/residents of African countries who are staff, alumni and or students registered in one of the Partner Universities at the time of application
- **Target Group 2 (TG 2):** Nationals and residents of Africa, registered in or having obtained a university degree or equivalent in a higher education institution of such countries and not included in the Partnership.

### Application Documents

- Scanned copy of Bachelors Degree or Equivalent
- Scanned copy of other academic certificates (relevant/related certificates to programme sort)
- Scanned copy of birth certificate
- 3 letters of recommendation (two academic referees and one other)

### Contacts Details

#### FRAME Coordinator (University of Buea)

Professor Joyce B. Mbongo Endeley – Tel: (237) 677756100

Email: [joyceendeley@yahoo.com](mailto:joyceendeley@yahoo.com);



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**Assistant to Coordinator:**

Dr Justine Ayuk - Tel: (237) 677371914

Email: [justine.ayuk@ubuea.cm](mailto:justine.ayuk@ubuea.cm)

**Head of Department**

Egbe Enow Andrew (PhD), Professor of Forest Ecology and Agroforestry

Mobile no.:+237 675642064

Email: [egbe1@yahoo.com](mailto:egbe1@yahoo.com)

Visit the FRAME website: <https://frame.nust.na/> and click on the call for further details.



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