

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-disciplinary 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, 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

Type: PhD

Number: 1 scholarship

Position Duration: 48 months

Mobility Scholarship duration: 36 months

Host Academic Programme (Only insert and describe briefly)

The Doctor of Philosophy (PhD) in Spatial Science, is a 360 credit programme at NQF Level 10. Applicants who hold qualifications from recognised institutions at NQF level 9 in Spatial Science related subjects and / or related cognate areas can be considered for admission to this programme. Applicants need to provide evidence of having conducted supervised research at master degree level. In addition, applicants may be requested to attend a pre-selection interview at the discretion of the FNRSS. The applicants may be requested to make up specific deficiencies at the discretion of the Dean, through the respective Head of Departments. Apart from the applicant's qualification, the admission of an applicant will also depend on the

availability of a qualified and competent supervisor for the planned topic and the available staff resources of the affected department(s).

The Doctor of Philosophy (PhD) in Spatial Science (DPSS) is aimed at equipping students with deepened knowledge and research skills in their specialisation area by creating new knowledge that will bring solutions and implement new ideas to the spatial sciences. The programme focuses on the broad, deepening and research-based learning in the area of Spatial Sciences.

Description of Host

The DPSS is an interdisciplinary programme hosted within the Faculty of Natural Resources and Spatial Sciences (FNRSS) at the Namibia University of Science and Technology (NUST). The faculty hosts 7 masters' programmes, all with the ability to articulate with either the PhD in Spatial Science or PhD in Natural Resource Sciences.

Research interests within the faculty are broad and capture the 4 departments housed within the faculty (i.e. Architecture and Spatial Planning, Agriculture and Natural Resources, Land and Property Sciences and Geospatial Science and Technology). Further information about the faculty and specific research interests can be viewed on our website <http://fnrss.nust.na/>.

Position requirements

The position is for a PhD in Spatial Sciences (DPSS). Applicants must meet the general NUST admission requirements and the specific requirements for the DPSS.

Further to this, the applicant must:

- Hold a Master's degree in a relevant field from a recognized Higher Education Institute (Qualification must be approved at a Level 9 by the NQA)
- A minimum score of 65% at the Master's level especially in the research component
- Good mastering of the English Language
- Experience and research in the field of forestry (and in particular work within the Miombo forests) ideally with some knowledge of remote sensing will be an added advantage
- A good extended concept note on a topic that links Miombo forest structure to climate change, agriculture water or energy

Scholarship Position Benefits

- Settling Allowance
900 €
- Monthly Subsistence Allowance
900 €
- Allowance for female scholarship holders
(per academic year only for mobility equal or longer than 2 academic years) 900 €
- Research Costs
(per academic year only for mobility equal or longer than 10 months) 2000 €
- Insurance Costs
75 €/per month
- Travel and Visa Costs

Who can apply (Scholarship Eligibility)



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Academic Mobility Scheme of
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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

List all documents that must be submitted for this position that your university require for processing an application. It must include all the minimum documentation for FRAME scholarship consideration as well.

- Complete the NUST postgraduate application
(https://www.nust.na/sites/default/files/documents/POSTGRADUATE%20APPLICATION%20FORM%202021_02.pdf)
OR provide evidence that you have been accepted/qualified to DPSS programme at NUST
- Attach certified copies of all certificates
- Certified copies of academic records
- A certified copy of identification document
- Provide a concept note of about 2 pages on a topic that links Miombo forest structure to climate change, agriculture, water or energy

Contacts Details

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FRAME Coordinator

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



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