`What is GREEN-STEM?

Vision

Being at the forefront of African Universities leadership to empower a Sustainable and Green development and tackle the Climate Change challenges

Mission

GREEN-STEM aims to develop a Higher Education Research and Innovation (HERI) space at the African continent scale to multiply national capacities. The program grantees will constitute a pool of international and multi-cultural young talents who will serve societal needs and tackle its challenges.

UNIVERSITY OF NAIROBI

PSL ★
UNIVERSITÉ PARIS

Funded by
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GREEN-STEM

Green, **RE**silient, and **EN**trepreneurial **S**cience, **T**echnology, **E**ngineering and **M**athematics for Africa

DISCLAIMERS

"Funded by the European Union. Views and opinions Expressed are however those of the authors (s) only and do not necessarily reflect those of the European Union or Intra Africa Mobility. Neither the European Union nor the granting authority can be held responsible for them"

"Please be cautious when receiving any publicity inviting you to apply for an Intra-Africa scholarship or a message to pay a fee to be selected as a scholarship holder. Before giving out any personal data, please always verify that the information comes from a trustworthy source. Please also note that candidates do not have to pay any fees to benefit from an Intra-Africa scholarship."

Background

The **GREEN-STEM** project, which is part of the Scheme, is a cross- regional mobility cooperation by a consortium made of University of Nairobi (Kenya), University of Lagos (Nigeria), University of Rwanda (Rwanda), University of the Witwatersrand (South Africa) and, in Europe, Paris Sciences et Lettres University (France). It addresses the serious challenges faced by most African countries such as:

- Low development
- Under-capacity and inadequate Higher Education system
- Youth unemployment
- Sensitivity of their carbonized economies

Objectives

Overarching objective

- To contribute to a green, resilient, and sustainable development of Africa and its countries by implementing intra-Africa academic mobility opportunities in Science, Technology, Engineering, and Mathematics, necessary to share good practices and to build capacities in Higher Education, Research, and Innovation (HERI).

Specific Objectives

- To contribute to building an African HERI space of quality, internationally attractive, where mutual recognition, All participating institutions are members of the African Engineering and Technology Network (Afretec) and African Research Universities Alliance(ARUA
- To consolidate a proactive, assertive, and entrepreneurial momentum in Africa to energize the HERI community and to prepare African countries for the future, especially in the context of their societal and environmental challenges.
- Develop the employability and relevance of the university graduates, especially by training their transversal competencies and digital literacy.
- Generate green jobs by technology transfer from labs to market and by an entrepreneurial and innovation-based education of students and staff.
- Offer an affordable and inclusive higher education, especially for women, vulnerable, and special needs populations.

Participating Institutions

Coordinating Institution:
The University of Nairobi, **Kenya**

African Partners:
- University of Rwanda, **Rwanda**
- University of Lagos, **Nigeria**
- University of Witwatersrand, **South Africa**

European Partner:
University of Paris Science et Lettres, **France**

Associated partners:
- Afretec network
- Bureau Veritas, Elgon Kenya, Olvea

Expected Impact

- New capacities and practices will empower up to 90 young talents, students and staff to imagine and implement solutions to tackle societal and environmental challenges, consequent to Climate Change, with an entrepreneurial and innovative approach.
- GREEN-STEM will multiply its effects thanks to its peer networks, such as the AFRETEC and ARUA in Africa, the future links with European

GREEN-STEM First Call Spring 2025
Master & PhD Programs Exchange

The University of Nairobi
master exchange programs
Climate Change Adaptation
Environmental Chemistry
Industrial Chemistry
Mathematics
Computer Science
Environment & Bio systems Engineering Electrical and Electronic Engineering
Entrepreneurship and innovation
Supply chain management

PhD exchange programs
Climate Change Adaptation
Mechanical Engineering

The University of Rwanda
Master Exchange Programs
Master of Communication Management (eMCM)
Master's Programme in Software Engineering
MSc in Information and Communication Technologies (operational communications)
MSc in Information Systems (Option: E-governance)
MSc in Biodiversity Conservation and Natural resources Management
MSc in Environmental Chemistry
MSc in Applied Mathematics
MSc in Atmospheric and Climate Sciences
MSc in Energy Economics
MSc in Renewable energy
MSc in Electrical Power Systems
MSc in IoT: Wireless Intelligent Sensor Networking (MSc in IoT: WISeNet)
MSc in Internet of Things: Embedded Computing Systems (MSc in IoT: ECS)
MSc in Geo-Information Science for Environment & Sustainable Development
Master of Science in Water resources and Environmental Management
Master of Science in Highway Engineering and Management
Master of Science in Transportation Engineering and Economics

MSc in Information Systems (Option: Internet Technologies)

PhD Exchange Programs
Ph.D. in Physics by research and dissertation/thesis
PhD in Mathematics (Pure Mathematics, Applied Mathematics, &Statistics)
PhD in Physics
PhD in Chemistry: (Organic Chemistry, Environmental Chemistry, Physical Chemistry, Inorganic Chemistry)
PhD in Biology: (Biotechnology, Microbiology, Biochemistry)
PhD by research in ICT (Option in Computer Science)
PhD in Energy Economics
PhD in Electrical Power Systems
PhD in Renewable Energy
PhD in IoT with Specialization in Embedded Computing Systems
PhD in IoT with Specialization in Wireless Intelligent Sensor Networking
PhD in Water Resource Engineering
PhD in Highway Engineering
PhD in environmental engineering
PhD by research in ICT (Option in Software Engineering)

University of Lagos
Master Exchange programs
Information Technology
Urban Management

PhD Exchange programs
Geo-information and climate change adaptation

University of Witwatersrand
Master Exchange Programs
Interdisciplinary Global Change Studies
Geography, Archaeology and Environmental Studies
Geography, Archaeology and Environmental Studies
Geography, Archaeology and Environmental Studies
Civil and Environmental Engineering (MEng)
Civil and Environmental Engineering (MSc)
Architecture and Planning
Environmental Law

PhD Exchange Programs
Geography, Archaeology and Environmental Studies
Animal Plant and Environmental Sciences
Computer Science and Applied Mathematics

OPEN NOW
FIRST CALL FOR APPLICATIONS
Horizontal Exchange Mobility for Master's and PhD Students
➢ 5 months in an eligible **Master's exchange program**
Monthly allowance: 890€
Visa and insurance contribution: 200€
Travel costs are at the grantee's expenses
Tuition fees are waived for the grantees
➢ 6 months in an eligible **Doctoral exchange program**
Monthly allowance: 1230€
Visa and insurance contribution: 200€
Travel costs are at the grantee's expenses
Tuition fees are waived for the grantees

Eligibility
a. This call is only open to both **Men & Women students**
b. People with disability are welcome and will be specifically helped during their mobility
c. *The mobility takes place within the home program of scholarship holders' i.e. candidates must be from Target Group 1 (TG1)*
   TG1: Students, of & resident in an African country, registered/admitted in or having obtained a degree from one of the African partners

Application Process
a. Only excellent profiles will be selected
b. The list of eligible programs in all the partner universities for Masters and Ph.D. can be found on the Green- Stem Education (uonbi.ac.ke) website
c. The scholarship application form is found on the GREEN-STEM website. It should be filled, and PDF copies of all the other required documents should be uploaded to the form
d. Applications for the Master's & PhD exchange programs open on March 31, 2025 & close at on April 30,202,5:00 pm (EAT)
e. Click here to access Application portal