



## DALILA

### Development of new Academic curricula on sustainable energies and green economy in Africa

#### SCIENTIFIC SYMPOSIUM – THIRD DAY

#### *Smart-Up: How to Start Your Own Green Business*

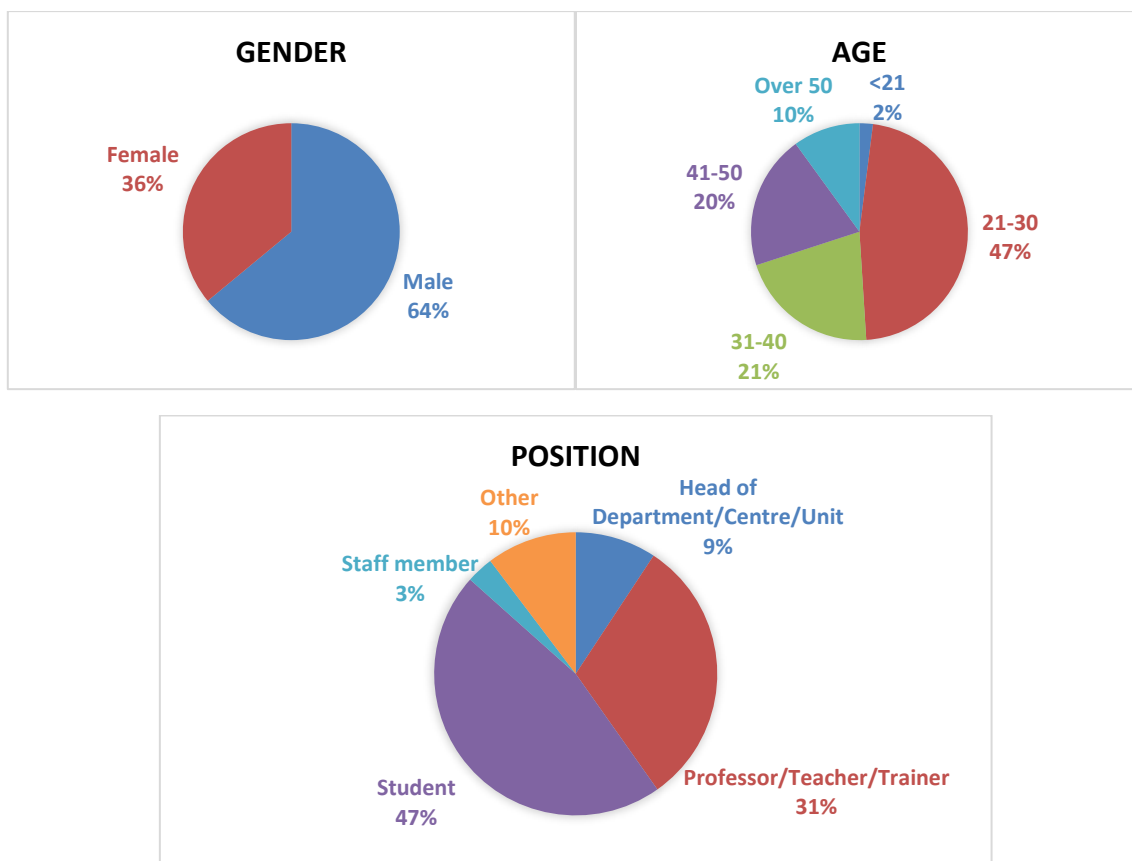
September 27<sup>th</sup>, 2021

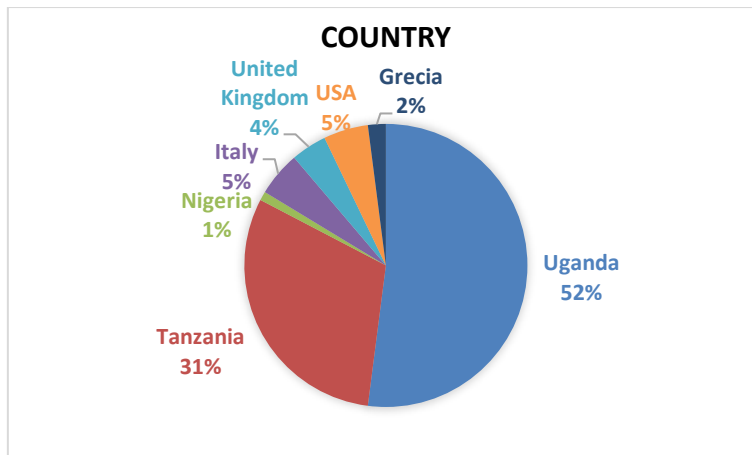
#### REPORT

The event was disseminated through the social media and websites of DALILA project and the Partner Universities involved: Sapienza University of Rome (Italy), University of Cadiz (Spain), State University of Zanzibar and University of Dodoma in Tanzania, Uganda Martyrs University, and Uganda Christian University.

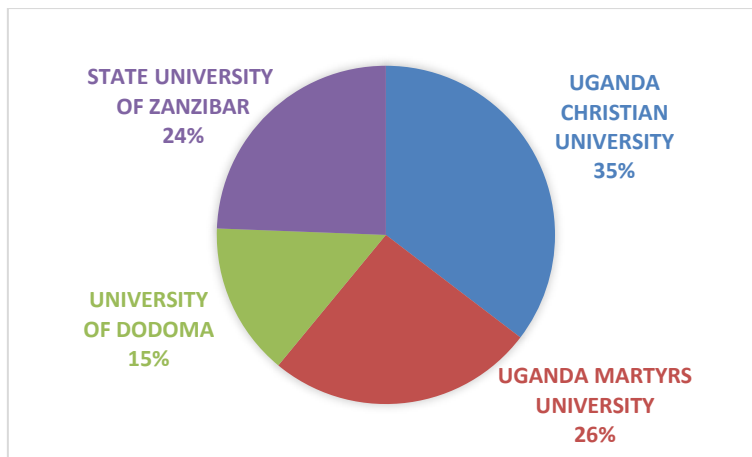
Below is provided an overview of the statistics of the people that registered (100) as well as of those who attended the event (46 people, 46% rate of participation).

#### Registered people:

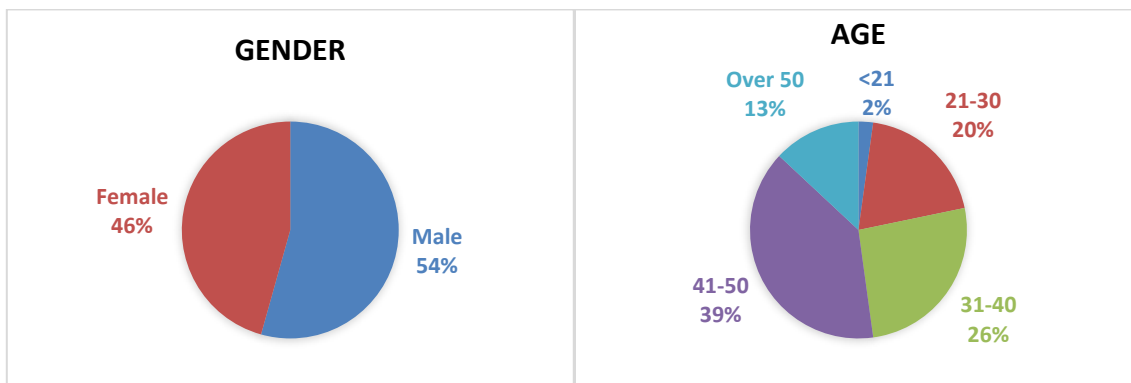


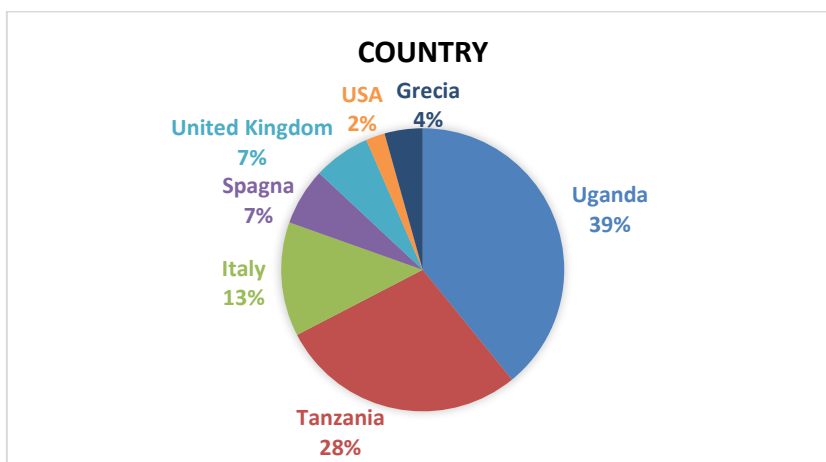
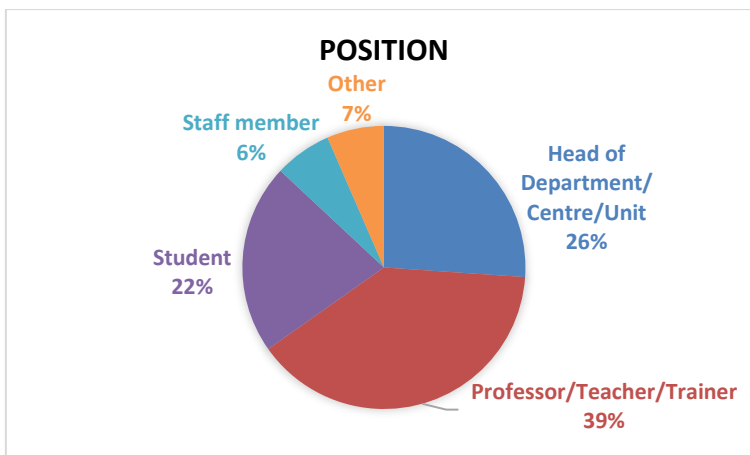


The communities of the Ugandan (Martyrs and Christian University) and Tanzanian (State University of Zanzibar and University of Dodoma) Institutions registered to the event as outlined below:

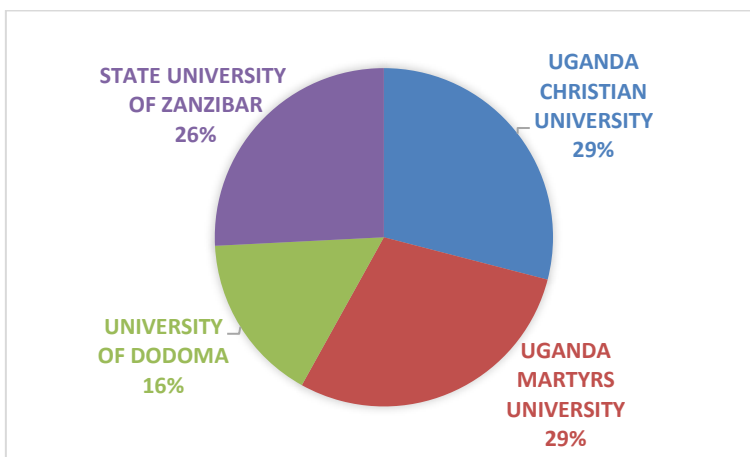


Attendees:





The participation of the communities of the Ugandan (Martyrs and Christian University) and Tanzanian (State University of Zanzibar and University of Dodoma) Institutions is outlined below:





Due to the current Covid-19 pandemic, this event was an online webinar focused on the collaboration between university and labour market, to discuss the job opportunities in the green sector in Africa. Various companies working with renewable energy, waste management, and green technology have been invited to talk to students about how to build a successful business and invest in the green sector to tackle the high unemployment levels as well as the issues related to the climate crisis.

#### OVERVIEW OF DALILA PROJECT

Katiuscia Cipri - Sapienza University of Rome

DALILA aims to support the modernization, accessibility and market-oriented of higher education in the Uganda and Tanzania in order to contribute to the development of sustainable and inclusive socio-economic growth.

The main objective of the project is to establish 6 new courses on “Renewable Technologies” and “Green Business creation and development” in the Beneficiary Universities.

DALILA didactic approach is based on the concerted action of the following factors: the core technical and economic factors of renewable energy, the interdisciplinary exchange and cooperation, providing adequate skills to meet the job market requirements in the field, and a critical approach to complex problems.

#### PRESENTATION OF ASUD ONLUS

Lucie Greyl - ASUD Onlus (Italy)

ASUD Onlus is an independent Italian organization born in 2003 to tackle environmental injustice and environmental conflicts. ASUD works at national and international level through education, research, and international cooperation. Over the last four years they introduced in their approach circular economy models for the implementation of social and environmental sustainability. Their collaboration with DALILA project is an opportunity to build common experience in the education and environmental field, working together towards sustainability and equity.

#### PRESENTATION OF INOMA RENEVABLES

Javier Leal - INOMA (Spain)

INOMA Renewables is a spin-off company of University of Cadiz, working in the energy and engineering sectors for more than 15 years. In particular, they have skills in renewable energies, engineering projects and technical reports and certificates.

INOMA takes active part as partner in several international consortiums, working in projects of LIFE+ and ERASMUS+ calls, with national and international partners, and in close collaboration with Spanish and international universities. INOMA has the necessary resources and experience to provide professional training to those that have already started their professional activity and intend to update their knowledge, or those that require specialized training for access to the labour market. In this view, INOMA maintains a collaboration with the University of Cádiz and Zona Franca de Cádiz to generate technical and human resources.

#### PRESENTATION FROM LOCAL GREEN COMPANIES

Keynote – Richard Machera - JAZA Energy



JAZA Energy is a renewable energy tech start-up in Tanzania that provides battery rental services to rural communities in Kigoma, Mtwara, and Pemba, as these communities cannot afford power. JAZA Energy is specialized in building solar powered hubs, and recruiting and training women from rural communities, in order to empower them as a vital human resource for energy needs in the most marginalized communities in Tanzania.

Keynote - ALLEN KIMAMBO - ZAIDI Recyclers

ZAIDI Recyclers is a Tanzanian waste management company, and among the several activities the company runs there are: a business in processing waste paper which it exported to customers in China and India, and the production of thousands of face shields to be used in hospitals around the country.

Moreover, they can offer sustainable solutions in terms of training, education, and mentorships.

#### PRESENTATION FROM SPIN-OFF GREEN COMPANIES

Keynote – MARIA DE CACERES - ARIEMA Energía y Medioambiente, SL

ARIEMA Energía y Medioambiente is a company with many years of experience that was born to respond to the challenge of achieving a more sustainable energy model through hydrogen, promoting circular economy and innovation. Their projects commit to the goals established by the Paris Agreement: reducing 50% of greenhouse gases by 2030 and reaching carbon neutrality by 2050.

The company works in the hydrogen technology, a sector that has been growing over the last years. Employment opportunities are key for energy development and the pursuit of economic benefits. The hydrogen market is going to be the best solution for decarbonization, therefore communities have to be educated on the transition from classic forms of energy to the renewable ones.

Keynote - SILVIA PEREZ - DAYA Cultura Energetica

DAYA Cultura Energetica is a Spanish company working in the renewable energy field, to contribute building a new energy model and help people who suffer from energy poverty in Spain. They are involved in several projects, ranging from education in schools, climate change plans (reduce greenhouse gases, energy efficiency, etc.) to energy savings for companies and general public trainings.

JUMANNE MTAMBALIKE - Sahara Ventures (Tanzania)

Sahara Ventures mission is to build Africa's Innovation Ecosystem one block at a time. Sahara Ventures owns various corollary elements: a start-up accelerator, Sahara Accelerator, a marketplace for technology entrepreneurs and innovators, Sahara Sparks, and a consulting agency, Sahara Consult.

Sahara Accelerator supports early-stage businesses and running investor readiness program to help with technical support of the business; company governance structures, revisiting business models, preparing investor decks, systems improvement, etc.

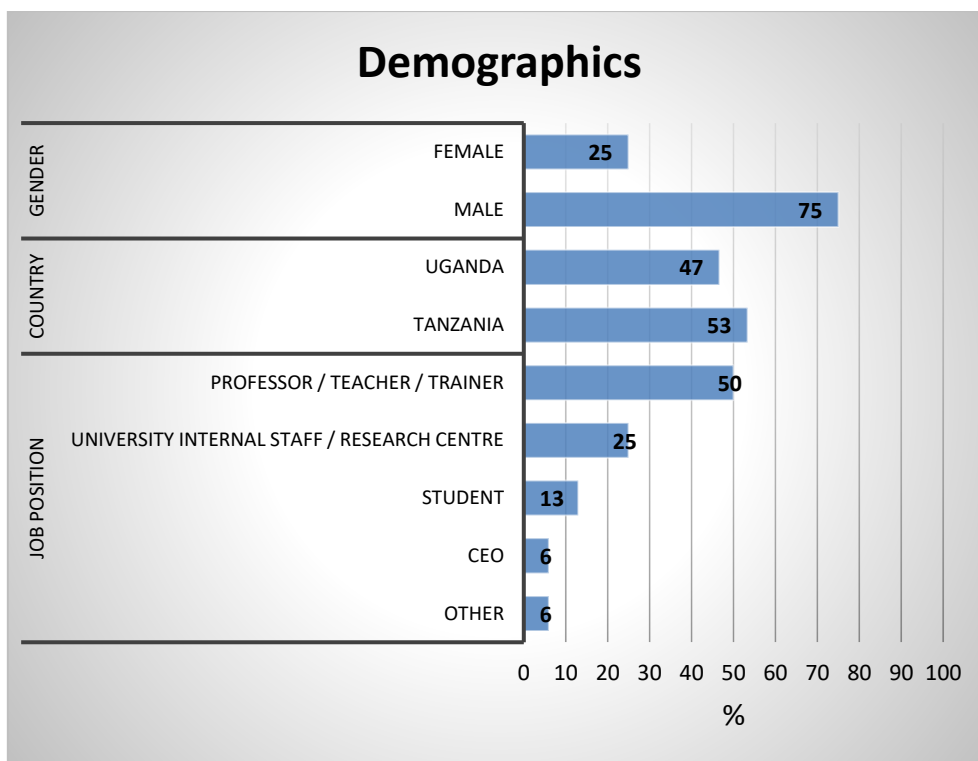


## JUMANNE MTAMBALIKE - The Prototype of the Employability Hub Platform

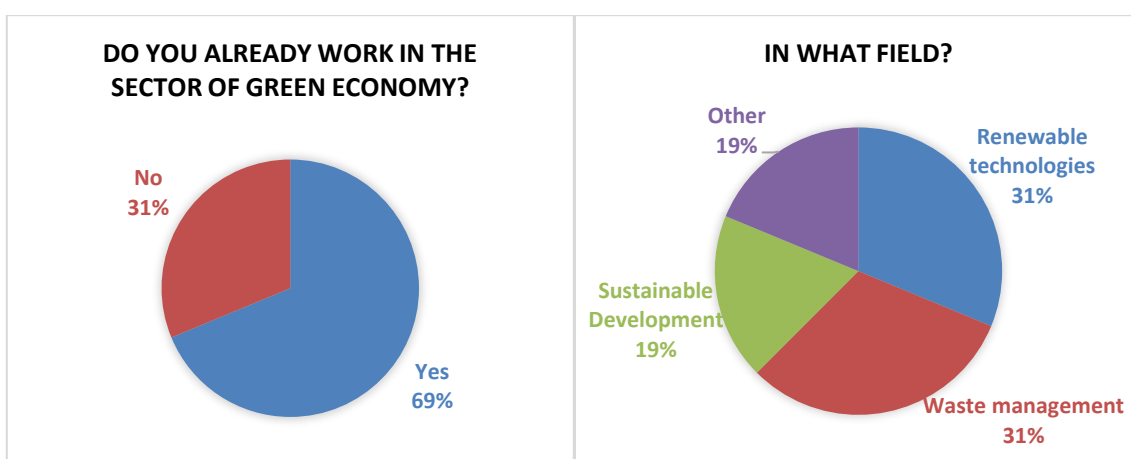
The goal of the employability hub is to help students to access opportunity of jobs and develop skills and capacity in the green and renewable sector. It contains capacity building resources (DALILA courses, and industry events and programs) that provide students quality learning and international qualifications. Alongside, the Hub contains various job opportunities (internships or employment opportunities) from local private companies, public companies or start-ups and local non-profits.



A survey on the participants has been conducted at the end of the event, to collect the opinions and views on the topics that have been discussed by the speakers. First of all, data on the demographics are outlined below, in order to have a general idea of who provided the answers reported further on.



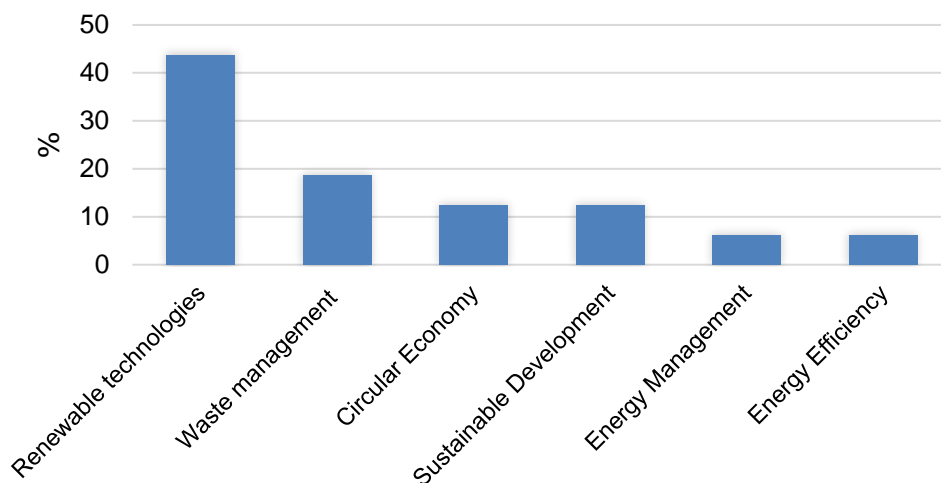
Out of the 16 participants who responded the questions of the survey, the majority are men, however there was not too much disparity in their Country of origin. As most of them cover a professional position (professor, teacher, trainer, or staff and CEO), the 69% of the participants works in the sector of interest, specifically in renewable technologies, waste management, and sustainable development.



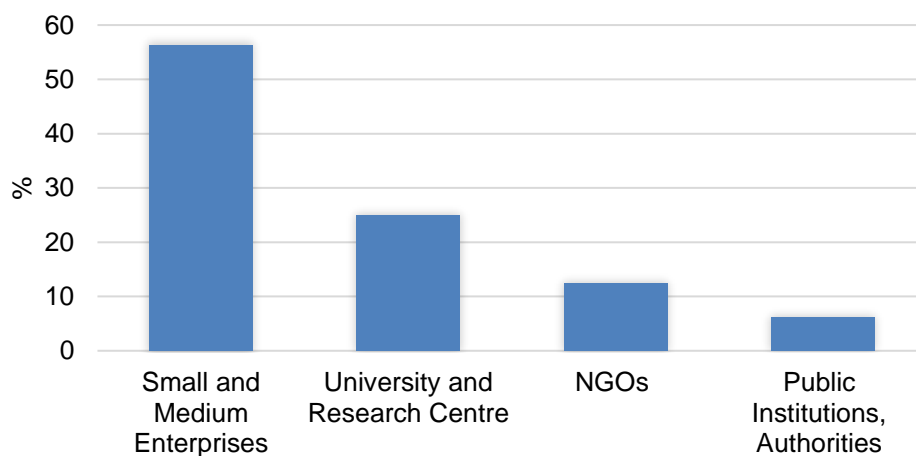
Regardless of the employment status and job position of the interviewees, the main area of interest for most of them is renewable technologies; they consider small and medium enterprises, not big enterprises, the most valuable option to find a job.



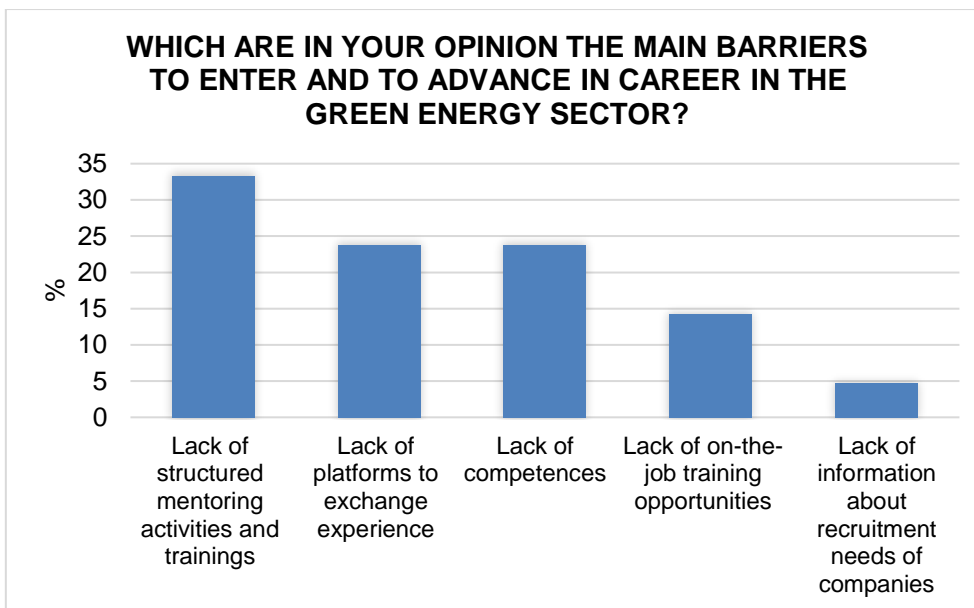
### WHAT ARE YOUR MAIN AREAS OF INTEREST FOR A POSSIBLE JOB APPLICATION?



### IN YOUR COUNTRY, WHERE DO YOU THINK THERE ARE MORE CONCRETE OPPORTUNITIES TO FIND A JOB POSITION IN THE AREA OF GREEN ECONOMY?







As the participants stated that the biggest obstacles from entering a career in the energy sector in Africa are connected to a lack of mentoring activities and training, adequate skills and platforms where it is possible to exchange professional experience and job offers, they confirmed that after this event they felt more informed about the different opportunities of employment in the new field of green economy and sustainable development. Moreover, the students that responded to this questionnaire said that are willing to take part to DALILA courses, as they will provide the basics of the topics mentioned above. The students said also that now they feel motivated in carrying out internships with companies, institutions, associations, and NGO working in the green sector, as the collaboration between high education and companies operating in the green sector is useful to tackle the issues related to unemployment and climate crisis in your country.

Furthermore, the webinar highlighted the importance of a virtual space to create a bridge between job offer and demand in Africa, and informed students on the various entrepreneurial opportunities offered by the green market in current times. Based on this information exchanged by companies working in the energy and waste management field, the interviewees informed us on the most important actions they think high education institutions should undertake to enhance the employability of students in green economy in their Country:



### WHAT ACTIONS SHOULD YOUR UNIVERSITY UNDERTAKE TO ENHANCE THE EMPLOYABILITY OF STUDENTS IN GREEN ECONOMY IN YOUR COUNTRY?

