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● Implementation of the JCol on Energy and Green Hydrogen between Namibia and Germany ●

YOUTH FOR GREEN HYDROGEN (Y4H2) - NAMIBIA SCHOLARSHIP

CALL FOR MSC/MA AND TVET SCHOLARSHIP APPLICATIONS FOR NAMIBIAN YOUTHS

Background

Given its world class renewable energy potential in the form of abundant wind and sun resources, Namibia is in an optimal location to be a globally competitive producer of Green Hydrogen and its derivatives. In the Harambee Prosperity Plan II, the Namibian Government articulates its plans to explore the feasibility of incubating a carbon neutral synthetic fuels industry to diversify and recover the country's economy.

In order to ensure its competitive advantage, the Namibian Government has established key partnerships globally. One such partnership is with the German Government. On the 25th of August 2021, in Berlin, the Namibian and German Government signed a Joint Communique of Intent which availed a grant funding towards the development of the Green Hydrogen industry in Namibia. One of the key priority areas of this Agreement was "Capacity Building", where €5 million was allocated for Scholarships for the Namibian youths.

As such, the Namibian Youth for Green Hydrogen (Y4GH) Scholarship Programme in collaboration with the German Government has been established. The scholarship is fully funded by the German Ministry of Education and Research (BMBF) and spans over 5 years.

The Southern African Science Service Centre for Climate Change and Adaptive Land Management (SASSCAL) has been appointed as the implementing partner for the Y4GH programme.

Capacity Building for the Namibian Youths

Currently, the number of annual graduates in Namibia is disproportionate to the available employment opportunities in the country. There are many Namibian graduates, both postgraduate and undergraduates, who are qualified but remain unemployed. Experts anticipate that the number of jobs within the emerging Green Hydrogen economy will grow exponentially over the coming years. As an optimal location for the production of Green Hydrogen and its derivatives, it is vital that the Namibian Government,

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taking a leadership role in building capacities for this new industry, ensures that people are trained and ready to contribute to the emerging Green Hydrogen economy workforce. Therefore, this Scholarship programme will facilitate capacity building for the emerging Green Hydrogen industry, while addressing the high youth unemployment in the country.

As a first move towards building a Green Hydrogen ready workforce, the scholarship has been designed to mainly target two groups. The first group are unemployed Namibian graduates and the second are those interested in pursuing Vocational Education and Training in the field of Green Hydrogen.

In the initial phase, the Y4H2 programme-Namibia will give scholarships to Namibia Youth in the following two categories:

1. MSc/MA degree in Renewable Energy & Green Hydrogen (or other fields supporting this area)
2. Technical Vocational Education and Training - TVET Certificates (1 Yr) & Diploma (2 Yrs) in Renewable Energy & Green Hydrogen (or other fields supporting this area)

Programmes the scholarship Funding

The fund will provide a maximum of **€25,000.00**, **€10,000.00**, and **€5,000.00** for MSc degree, TVET Diploma/ Certificates respectively to each recipient, depending on the institution of choice. The scholarship will cover the following:

- a. A monthly stipend allowance.
- b. Academic fees, such as;
 - Tuition fees Registration fees
 - Research expenses depending on the topic, which may include
 - Field/research work
 - Equipment including a laptop
 - Conference/workshop attendance
 - Health and Insurance cost
 - Travel and visa expenses
 - Research Stay/ Exchange Visit in a German Institution or University for a period of up to 6 months (depending on length of course)
 - Return flight ticket (subject to COVID-19 travel restrictions)

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General Eligibility Criteria

To participate in the MSc/MA Renewable Energy and Green Hydrogen (or other support fields as well), a candidate must be:

- a. A national or resident of Namibia
- b. Not a beneficiary of another funded scholarship at the time of application.
- c. Must not have received a Scholarship or bursary for the same or similar study in the last 5 years.
- d. Could be employed by or linked to a public or private institution in the Energy, Green hydrogen or related field or related sector. If so, then a letter confirming that candidates will be released from work to study full time will be needed.
- e. Have excellent English communication skills (written and spoken).
- f. Have demonstrate ability to work independently and have critical thinking skills.
- g. Be innovative and demonstrate ability to conduct research
- h. Knowledge of programming skills, experience in energy system analysis will be an added advantage.
- i. Female and disadvantaged candidates are encouraged to apply for the scholarship.

Program Specification (applies to both MSc and TEVET Courses)

The nature of Renewable Energy and Green hydrogen Technologies requires a trans-disciplinary approach to research. This programme therefore seeks candidates who can conduct research in diverse disciplines, with different academic qualifications, experiences, and skills.

A. Minimum academic entry qualification overview:

MSc/MA Renewable Energy & Green Hydrogen

Note: Any other related course, that supports this field will also be considered

- a. BSC (Honors) or equivalent from an accredited university in the following fields: Engineering, Chemistry, Physics, natural sciences or Natural Resource Management, Energy Economics, Hydrology, or equivalent scientific discipline which includes a significant mathematical and engineering content.
- b. Applicants will be considered with other qualifications not listed who also have appropriate industrial experience.

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Diploma (2 Years)/ Certificate (1 year) TVET (Technical Vocational Educational Training): Renewable Energy & Green Hydrogen

Note. Any other related course that supports this field will also be considered

- Metric (Grade 11/12) certificate for TEVET Certificate
- Certificate in a technical field or natural science for a TEVET Diploma
- Not a beneficiary of another funded scholarship at the time of application.
- Must not hold another scholarship or bursary in similar studies in the last 5 years.
- Could be employed by or linked to a public or private institution in the Energy, Green hydrogen or related field or related sector. In that case, a letter confirming that candidate will be released from work to study full time will be needed.

B. Application for Admission Requirements

Complete applications must include all the applicable items from the following list:

- Official BSc degree copy and transcripts, including official translations and original language copies if study not undertaken in English.
- Metric (Grade 11/12) certificate for Certificate (TVET)
- Certificate in a technical field or natural science for a Diploma(TVET)
- A Personal/ Motivational Statement (2 pages maximum).
- A resume (3 pages maximum).
- Two Reference letters (At least one Academic).
- A letter of employer commitment to release the employee for full-time studies if employed.

Please note that only completed applications will be considered.

C. Application Process

- Candidates can apply for the scholarship without admission and use the scholarship award letter to apply for admission later.
- A separate application for admission needs to be made to the relevant institution of their interest. Candidates should have proof of registration at the host institutions, NUST, UNAM or any other

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institution offering TVET courses in Namibia, for the 2023 academic year to participate.

iii. Applications should be addressed to the admission team, to the address below and sent to email: **JCol.Y4H2@sasscal.org**

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The deadline for submission of the scholarship applications is **30 May 2022**.

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