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Promotion of Hybrid Renewable Energy Systems Towards Electricity Access in Uganda (PHRE)

A partnership between Austria and Uganda

PROJECT COORDINATOR:

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COORDINATING INSTITUTION:

University of Natural Resources and
Life Sciences (BOKU), Vienna

PARTNER INSTITUTIONS:

Makerere University (MAK)
Dr. Hillary Kasedde

PARTNER COUNTRY:

Uganda

PROJECT DURATION:

1 June 2023 – 31 May 2026
(36 months)

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Knowledge transfer on renewable energy technologies is essential to addressing Uganda's energy issue. The proposed collaboration between BOKU and MAK aims at establishing a basis for an academic partnership on renewable energy technology. Specifically, the PHRE project seeks to:

- 1 Develop specific modules and training programs on hybrid renewable energy systems to support the existing master curricula at MAK.
- 2 Develop maker spaces and instructional laboratory for hybrid renewable energy systems for teaching and research at MAK.
- 3 Develop local and national societal structures, to address technical, social, and economic aspects related to energy.
- 4 Build and strengthen a network between the partner institutions as well as related institutions.

Although PHRE is rooted in technical science, it emphasizes gender equality views at all levels within this sector. The initiative generally takes a maker-movement approach to hybrid renewable energy systems. Following a participatory approach, the project seeks to provide a resource of practical training for students, engineers, and stakeholders in the renewable energy sector of Uganda. This project will contribute to the national strategy to use renewable energy sources as an alternative to traditional sources to solve the energy crisis and protect the environment in Uganda. Moreover, a significant contribution to the economy through green jobs can be expected.

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