

Project Fact Sheet

Project Title **Development of programme strengthening capacity and infrastructure for renewable energy education and research at Zambian universities (as part of the FACE-NDC Project)**

Keywords higher education, capacity building, innovative renewable energy technologies, laboratory equipment and infrastructure

Project Details

Project Start	2024	Duration	10 months
Client	Food and Agriculture Organization of the United Nations	Project ID	367218
Funding Authority	International Climate Initiative		
Project Leader	Prof. Dr.-Ing. Wilfried Zörner		
Contact Person	Dr. Carina Mwatunga		
Project Partners	University of Zambia (UNZA), Copperbelt University (CBU)		

Description

The assignment takes place within the framework of the FACE-NDC project ('Facility for Action for Climate Empowerment to achieve Nationally Determined Contribution') in Zambia financed by the International Climate Initiative (IKI). Nationally Determined Contributions (NDCs) are regularly reported and monitored climate action plans to cut emissions and adapt to the impacts of climate change. More information on the FACE-NDC project can be found [here](#) or [here](#).

The Institute of new Energy Systems (InES) of the Technische Hochschule Ingolstadt (THI) supports the implementation of Work package 8 'Strengthening university-level education and skill development' by providing the following services:

- Develop a capacity building programme and a concept of scope and content of module descriptions to incorporate notions of renewable energies (RE) in existing Bachelor of Science and Master of Science programmes for agrifood and forestry value chains at selected Zambian Universities;
- Initiate the preparations for a study tour programme for Zambia Academics to Germany;
- Assess the existing RE laboratory and infrastructure of the University of Zambia (UNZA)

and the Copperbelt University (CBU) and identify capacity needs to improve education as well as provision of services to private and public sector actors;

- Initiate plans for the strengthening of RE laboratory infrastructure and drafting of technical specifications for procurement.

These activities should support a green transition of the Zambian economy, with a specific focus on the following aspects:

- Strengthening the capacity of Zambian academics to utilize teaching methods that empower students to effectively respond to market demands and workplace challenges.
- Encouraging the adoption of interdisciplinary approaches in teaching about the use of renewable energy sources in agrifood and forestry sectors, as well as the sustainable production of renewable energies from these sectors.
- Informing academics about potential methods to enhance collaboration between universities and industry, thereby providing students with opportunities for practical learning experiences.
- Presenting strategies for universities to support economic development by offering services to the industry and public sector.