

UMEME Project – University of Dar es Salaam

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Ms. Beatrice Mwella

Erasmus+ Information Session for Tanzania

28 February 2024



Main Information

- Call: ERASMUS-EDU-2022-CBHE
- Type of action: ERASMUS-LS
- Proposal number: 101082825
- Proposal acronym: UMEME
- Proposal title: new edUcation systeM for Electric access developMEnt in tanzania
- Duration (months): 36
- Activity: ERASMUS-EDU-2022-CBHE-STRAND-2
- Grant amount (after evaluation): 794 003.00 €
- Project starting date: April 1st , 2023
- Project end date: March 31st , 2026



Short Description and Main Goal

The aim of UMEME capacity building project is to enhance the university education system for Tanzanian electrical/energy engineers, to enable universal access to electricity and energy transition in Tanzania, within the framework of the UN-SDGs.

The UMEME project aims to increase the quality of electrical engineering education, through:

- a) deeply modernizing the curricula, making them less theoretical and more practical, energy-transition-oriented, based on SDGs, integrated by soft-skills and interdisciplinary elements, strongly addressed by stakeholders, capable of responding to the needs of the labor market;
- b) creating 6 new innovative laboratories (3 for power system modelling, 1 wind+solar+storage, 1 electrical vehicles, 1 EV re-charging);
- c) innovating teaching methodologies;
- d) training academic staff adequately, also through mobility.

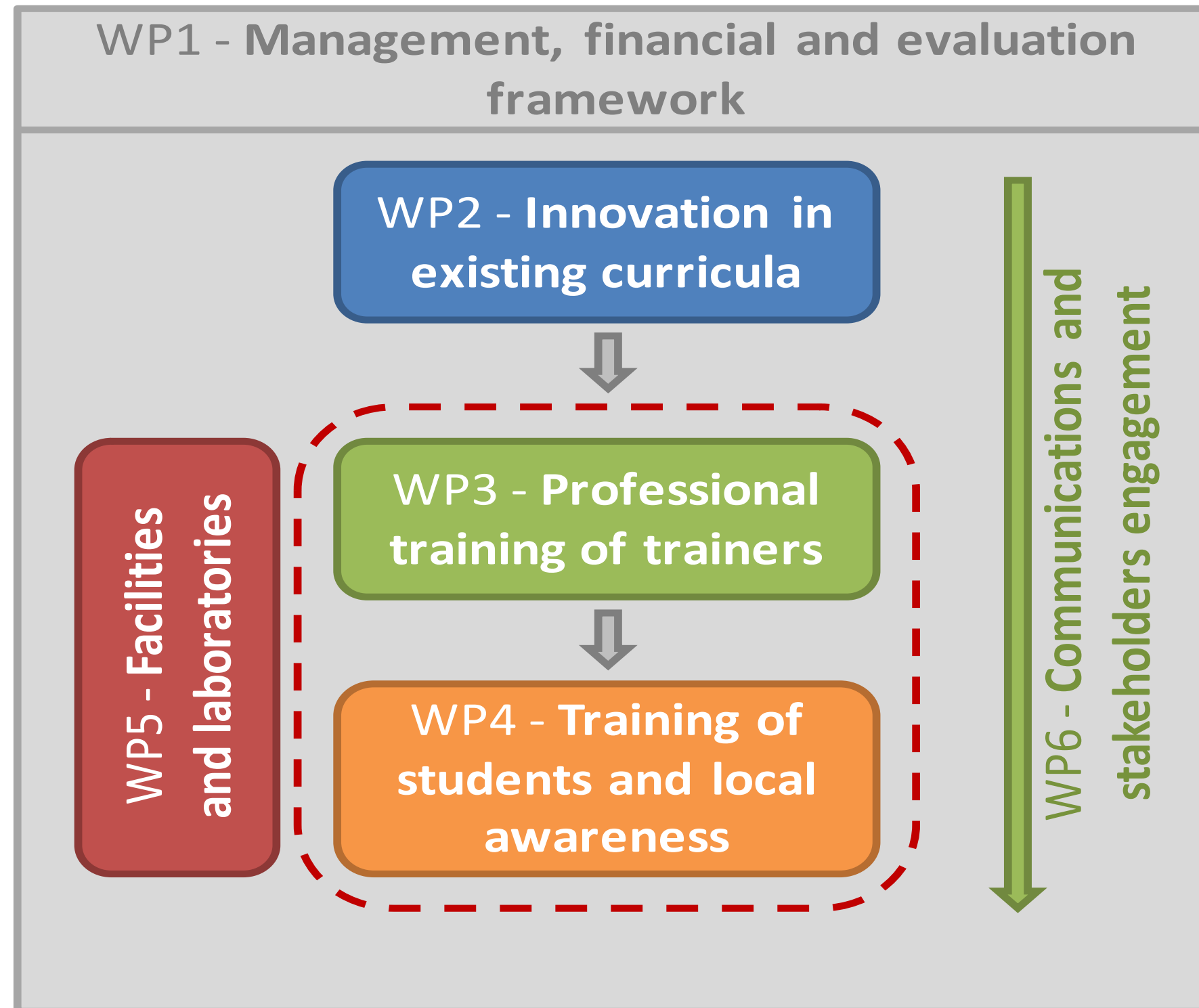
n.	Full name	Acronym	Country	Role
1	Sapienza University of Rome	UNIROMA1	Italy	Coordinator
2	University of Cyprus	UCY	Cyprus	Partner
3	University of Dar Es Salaam	UDSM	Tanzania	Partner
4	Dar es Salaam Institute of Technology	DIT	Tanzania	Partner
5	Karume Institute of Science and Technology	KIST	Tanzania	Partner
6	UNeed.IT Srl	UNeed	Italy	Partner
7	Studio Santi Limited	SSL	Tanzania	Partner
8	Electrical Transmission and Distribution Construction and Maintenance Company Limited	ETDCO	Tanzania	Partner
9	Magaldi Power Spa	MAGALDI	Italy	Associate Partner



Specific Objectives

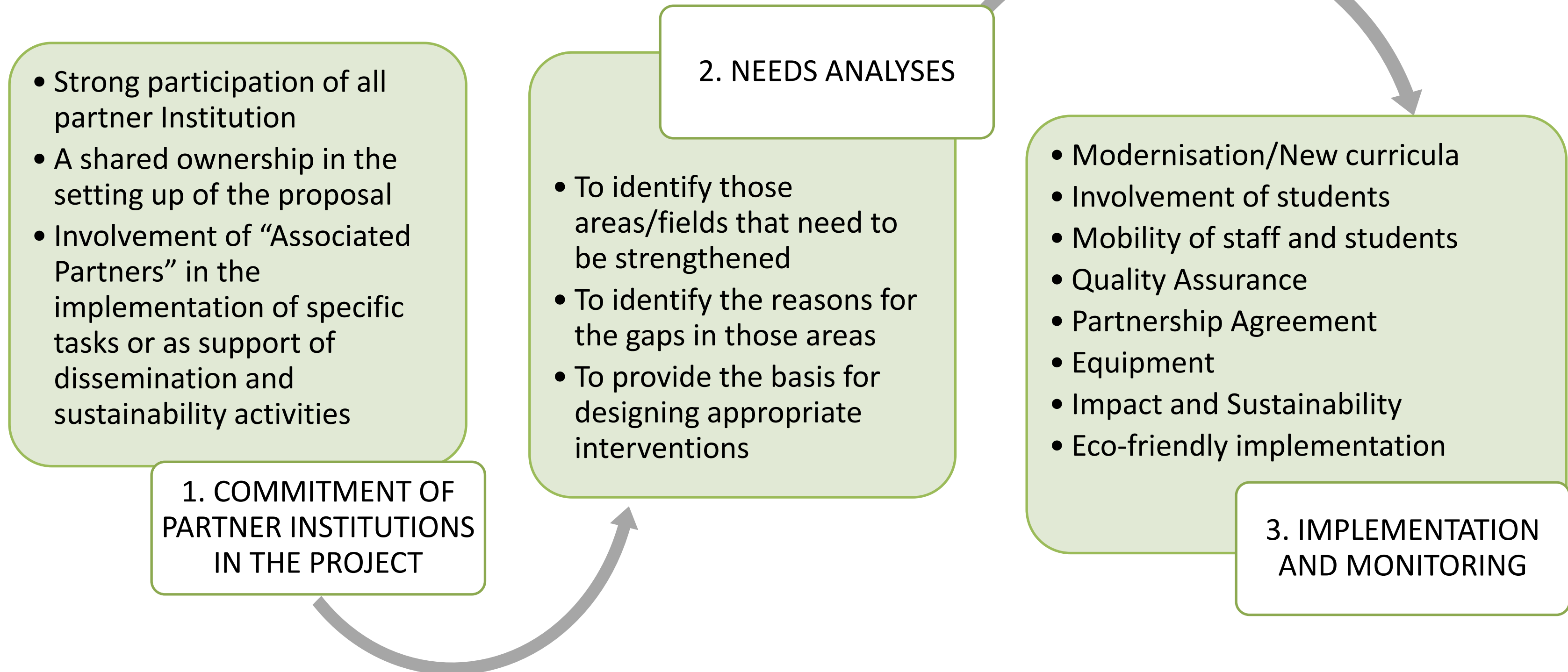
- To **provide high-level technical skills**, especially engineering, to enable the energy transition, crucial for the sustainable development of Tanzania and at the top of the political agenda;
- To **modernize the existing programmes** on electric and energy engineers in n. 3 Universities in Tanzania;
- To **train professors, trainers and professional** on the interdisciplinary topics concerning the energy transition and sustainable goals, mainly in Africa;
- To **innovate and power existing laboratories** with new equipment on Energy and numerical simulation;
- To **support the mobility of students and staff** between European and Tanzanian Universities;
- To promote at academic level and in the civil society the main principles and priorities of Green Deal.

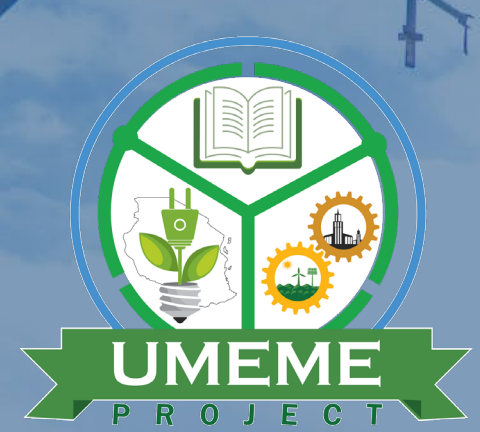
Work Packages





How to Draft a Successful Plan





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