



Capacity building on Student-Centered Energy Education in Cameroon, Ethiopia, Mauritius and Mozambique

This project brings together eight universities from four African countries—Cameroon, Ethiopia, Mauritius, and Mozambique—and two universities from EU Member States—Italy and Sweden—to modernize courses and programmes in the energy sector, with a particular emphasis on circular economy principles and energy sustainability.

The collaboration is built on two successful Erasmus+ Capacity Building in Higher Education projects. It will reuse and adapt the frameworks and learning materials developed through these initiatives, while designing and implementing new courses and programmes tailored to local contexts and needs in the partner countries.

The project will support the modernization of partner universities by introducing a student-centred, flipped classroom approach, with innovation and entrepreneurship playing a central role. All learning materials will be developed in digital formats and made available online to support access, including in remote areas, both within formal academic programmes and as stand-alone modules for self-directed learning. Partners will share learning resources and courses throughout the project and collaborate on their delivery.

The modernized curricula will incorporate business cases and global challenges aligned with the United Nations Sustainable Development Goals, with a particular focus on reducing greenhouse gas emissions. Each partner higher education institution will introduce a university-wide “Challenge” course, enabling students from different disciplines to work together both within and across institutions.

By the end of the project, the partner universities will have demonstrated, through measurable outcomes and scalable practices, how international collaboration can support energy education through the co-creation, reuse, improvement, and local adaptation of learning materials, while establishing a lasting framework for cooperation.