

APPEAR III Academic Partnership between



Makerere University
(Uganda)



Technische Universität
Wien
(Austria)



Uganda Red Cross
Society
(Uganda)



Mbarara University of
Science and Technology
(Uganda)

Project Name: Clean and Prosperous Uganda – Fecal Sludge and Solid Waste Management for Improved Livelihoods (CPUg)

Project Description:

Fecal sludge management (FSM) and solid waste management (SWM) are consistently recognized as being insufficient in many areas within Uganda. Oftentimes, the management of these two categories of waste are organized separately and executed with insufficient resources, political will, and funding. Nevertheless, there are many opportunities for value chain creation and valorization of materials, micronutrients, and energy content contained within solid waste and fecal sludge, especially when considered together. The project team will explore circularity concepts, test a variety of techniques for utilizing dried fecal sludge (e.g., co-firing, co-composting), and target national plastic waste management (e.g., analyzing plastic recovery and recycling paths). Through which, this project aims to examine how to best optimize and integrate FSM and SWM in urban settings in Wakiso District, refugee settlements in Arua District, and for Uganda more broadly. The results of such work are expected to improve waste-related knowledge gaps, build capacities of stakeholders at the university and municipal level (e.g., local authorities and service providers), and change perceptions of fecal sludge-derived products by end-users (primarily subsistence and commercial farmers). These actions, in turn, are expected to improve upon the livelihoods of many Ugandans, to include women and refugees, by reducing their exposure to harmful pollutants and pathogens, all while sustainably creating new economic opportunities in recycling, composting, and energy recovery.

Project consortium:

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APPEAR Programme description:

APPEAR is a programme of the Austrian Development Cooperation (ADC) with the aim to realize its strategy for support of higher education and research for development on an academic institutional level. The overall objective is to strengthen the scientific foundation and institutional capacities in higher education, research and management in the partner countries through academic partnerships with Austrian higher education institutions. Furthermore, APPEAR aims to increase the commitment to international cooperation and development at Austrian higher education institutions.