

PhD Funding-Programme of BMEL

EnergeastAfrica: Energizing food processing in East Africa - Analysis of the status-quo and assessment of sustainability and nutritional impacts with regard to implementing more efficient techniques and technologies in different food processing regimes

Country/countries	Mozambique
Funding agency	Federal Ministry of Food and Agriculture – BMEL
Project management agency	Federal Office for Agriculture and Food – BLE
Project coordinator	Leibniz Centre for Agricultural Landscape Research (ZALF) e.V.
Project partner(s)	Lúrio University Mosambik, Humboldt Universität zu Berlin, German Development Institute/Deutsches Institut für Entwicklungspolitik (GDI/DIE), Atmosfair gmbH
Project budget	161.980,26 €
Project duration	15.09.2019 -31.10.2022
Thematic area	Agricultural sciences
Background	Energy insecurity is still a common phenomenon in many parts of the Global South, including Sub-Saharan Africa. This does not only hinder economic development, but it also negatively affects food and nutrition security, as non-traditional processing and preservation techniques and technologies are often associated with an increased energy input.
Short description of	This PhD project therefore focuses on this largely neglected research topic and

project

applies an action research approach to test different options for processing and preserving food in study villages in Mozambique. The impact of the specific interventions (indirect solar drying systems and improved locally produced stoves in combination with two different heat retention systems) will be analysed according to their effects on the food and nutrition security situation as well as on input requirements. The results will be published in four peer-reviewed papers in high ranking journals. Additionally, communication strategies for other stakeholder groups (e.g. local population and policy makers) will be derived. Furthermore, the results of this work will enable a simple scaling of best practices.

Picture(s) of project/map of research area