

A framework for regenerative energy supply options for Africa

Project Title: P800 - 8. Climate change adaptation

Description of the innovation: The framework examines the role of ecosystems in household energy supply in Africa and explores pathways to ecosystem-based approaches to bioenergy generation by building on the regenerative economy concept.

New Innovation: No

Stage of innovation: Stage 1: discovery/proof of concept (PC - end of research phase)

Innovation type: Production systems and Management practices

Geographic Scope: Regional

Number of individual improved lines/varieties: <Not Applicable>

Region:

- Sub-Saharan Africa

Description of Stage reached: The framework has been finalized and published in the Journal Sustainability. Duguma L, Kamwilu E, Minang PA, Nzyoka J, Muthee K. Ecosystem-Based Approaches to Bioenergy and the Need for Regenerative Supply Options for Africa. Sustainability. 2020; 12(20):8588. <https://doi.org/10.3390/su12208588>

Name of lead organization/entity to take innovation to this stage: ICRAF - World Agroforestry Centre

Names of top five contributing organizations/entities to this stage: <Not Defined>

Milestones: No milestones associated

Sub-IDs:

- 35 - Enabled environment for climate resilience
- 37 - Technologies that reduce women's labor and energy expenditure adopted

Contributing Centers/PPA partners:

- ICRAF - World Agroforestry Centre

Evidence link:

- <https://doi.org/10.3390/su12208588>

Deliverables associated: <Not Defined>

Contributing CRPs/Platforms:

- FTA - Forests, Trees and Agroforestry