

Local Systems Dynamics Modelling to test Anaerobic Digestion biogas power plants as a Climate resilient energy service solution: the case study of the Azores Islands

Island Context of Azores



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Climate Risks



Biogas Solution

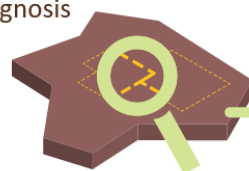


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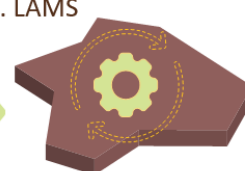
Approach

PhD Thesis and Project RethinkAction

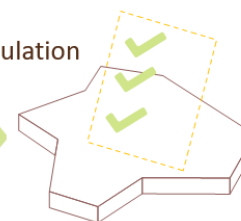
1. Diagnosis



2. LAMS



3. Simulation



Characteristics

- Dispatchable distributed power generation systems
- Renewable Energy on-demand
- Energy-independent generators
- Reliability and recovery of the energy service
- Circularity of waste
- Recovery of minerals and micronutrients

Question

Does this Land use-based Adaptation and Mitigation Solution (LAMS) provide benefits and how to explore them?

Authors

[FCiências.ID/
University of Lisbon]
Ricardo Encarnação Coelho
Tiago Capela Lourenço
Bishwajit Roy
Tomas Calheiros
Hugo Pires Costa

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