

Resource management and circular economy

Given that part of the objectives of the conference are:

- Empower and support African universities, local and international student teams and local NGOs to carry out sustainable, integrated climate protection and development projects with local communities and to finance them as compensation projects,
- Establish Greening Africa Together CO₂ compensation certification (GATo CCC),
- Fight climate change and address the SDGs through CO₂ compensation schemes,
- Develop standards, criteria and indicators adapted to small scale projects,
- Enable local communities and social institutions to monitor indicators for climate and SDGs.

This thematic area addresses further the main objectives of the conference.

Resource management seeks to make any harvest or consumption of natural resources as sustainable as possible. A sustainable resource management allows you to keep resources in use for as long as possible, extract the maximum value from them while they are in use, then recover and regenerate products and materials at the end of each useful life.

The circular economy (CE) is expected to promote economic growth by creating new businesses and job opportunities, saving materials' cost, dampening price volatility, improving security of supply while at the same time reducing environmental pressures and impacts. The eco-design, waste prevention and reuse can bring net savings for the small communities, while at the same time reduce greenhouse gas emissions.

Contributions are invited on the following topics:

1. Resource flows through a value chain in the framework of CO₂ compensation projects such as:
 - a. Stock optimization, eco-efficiency, and eco-effectiveness,
 - b. Waste reduction and valorization,
 - c. Decision on management materials based on lifecycle analysis.
2. Action plans in the frame of circular economy:
 - a. Technical development of recycling methods based on materials revalorization,
 - b. Success initiatives of circular economy in local NGOs and institutions,
 - c. Examples of suitable strategies for the implementation of CE as part of the value chain.
3. Identification of standards, criteria and indicators for a sustainable resource management for CO₂ compensation projects.

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