



ACP S&T PROGRAMME

African Caribbean and Pacific Group of States Science and Technology Programme
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Capacity-building in South Africa, Namibia and Ghana to create sustainable, non-food bio-oil supply chains

EU and African partners are collaborating to build sustainable non-food renewable bio-oil supply chains for providing CHP electricity, and in the future, the chemical feedstocks needed to replace fossil fuels.



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Relevant science and technology academics, professionals, decision-makers and support scheme managers from South Africa, Namibia, Ghana, Italy and the UK are being linked in a series of inter-regional and intra-regional workshops over a 36 month time-frame.



The aims are to

- Develop projects that will increase the supply of sustainable bio-energy resources from 2nd generation non-food sources such as jatropha or microalgae, and develop new products with high value.
- Develop new biofuel skills training programmes for new oil-processing businesses and for ESCOs for the mutual benefit of both EU and ACP countries.
- Stimulate investment in new biofuel industries to deliver sustainable CHP electricity based on renewable biofuel.
- Link farming and aquaculture communities in Africa with biofuel business demand in Africa and Europe.
- Promote the benefits of CHP systems running on biofuels and stimulate demand by local and regional authorities who procure energy for their communities.

Non-food plant oils



Integration of non-food oil crops into small scale farming in low-rainfall areas in agro-forestry or agro-pastoral systems holds potential as a major additional source of income for the rural poor, through supply of plant oil either for fuel or for a bio-based chemical industry

Microalgae



Microalgae hold enormous potential in global efforts to deliver a sustainable alternative to fossil-based industries.

Processing



Electricity for remote communities

A large part of the energy market comprises buildings that could be serviced with CHP units operating in the range 20-100kW, and operated on locally-sourced biofuel.

Stakeholders are invited to participate from the following sectors :

- Science and technology academics in aquaculture and oil-seed biofuel research communities.
- Support scheme managers.
- Representatives from biofuel business training communities.
- The investment community.
- Professionals and decision-makers from South Africa, Namibia, and Ghana, and Europe.

Contact: