

Modern Cooking Facility for Africa

Increasing access to clean cooking solutions with
sustainable fuels in Africa

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Nefco – the Nordic Green Bank

- International financial institution owned by the Nordic countries
- Nefco manages at present some 30 energy/environmental/climate funds of a total value of some MEUR 450
- Nefco's own capital is currently about MEUR 150
- A portfolio of over 600 small and medium-sized private & public projects spread across different sectors in over 60 countries
- Nefco's fund management activities fulfil EU's and GCF fiduciary standards

NEFCO



Modern Cooking Facility for Africa (MCFA)

- Results-based financing programme **accelerating access to modern and affordable cooking solutions for consumers in Sub-Saharan Africa**
- Multi-donor programme established and managed by **Nefco – the Nordic Green Bank**
- **EUR 62 million** funding from Sweden, European Union & Norway



Co-funded by
the European Union



Norway



Norad

MCFA Approach

- Financial incentives for sustainable clean cooking services (CCS), ticket sizes between EUR 500,000-2.5 MEUR
- **Non-recoverable upfront grant** up to 30%/50% of total funding depending on the Funding Window, rest as **Results-based financing (RBF)**, paid against achieved and verified provision of clean cooking services
- Incentive level defined during the Calls for Proposals through reverse auction mechanism
- Technical assistance: business development, gender inclusion, ESG compliance, carbon finance



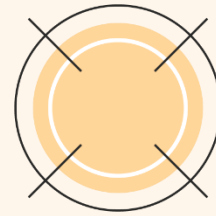
Expected results from current pipeline*



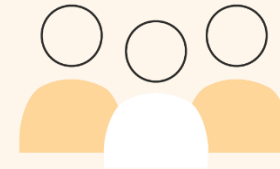
26
companies



6
Sub-Saharan
countries



1.65m
clean cooking
services to be
deployed



7.43m
Expected # of
people with
access to clean
cooking



MEUR 44.5
funding

*includes 13 contracted companies, 1 approved and 12 in due diligence stage

Technologies

- **Modern, higher-tier cooking solutions and sustainable fuels**, including sustainably produced bioethanol and sustainable pellets and briquettes, electric and solar cooking, biogas solutions, LPG
- **Focus on quality**: stoves need to meet Tier 4-5 (or 3+ for gasifiers and forced-draft rocket stoves) ratings for thermal efficiency, cooking emissions (PM_{2.5} and CO), and safety based on the ISO/TR 19867-3:2018 and/or relevant technology-specific standards/benchmarks
- Laboratory testing with the fuel the stove is intended to be sold with

Supporting clean cooking solutions provided with biofuels

- Stoves sales only not eligible, fuel to be provided either through **simple identification** or integrated **tool and fuel** model
- Tool and fuel model: fuel to be supplied by the MCFA investee or its consortium member, MCFA funding can be used to cover investments in the fuel value chain in addition to the stove
- Fuel to be made available to end-customers 80% or 95% of the time, depending of the fuel distribution model
- Fuel availability verified annually through samples by an IVA
- Monitoring approach based on sustainability: MCFA incentive earned based on usage, using end-customer payments as proxy

ACE Hybrid Energy Kenya

Kenya

- ACE One gasifier stoves of own design, sold together briquettes made of sugarcane bagasse
- Stove integrates a solar panel and lamps for lighting and phone charging
- Consumer finance: flexible payment plan or a subscription model, 6-15 months micro-loan with 0% interest



13,000

Clean cooking services to be deployed



1.3 MEUR

Funding committed



650,000

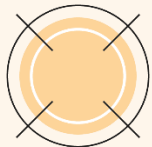
Expected # of people with access to clean cooking



Better Cooking Company Limited (dba EcoSafi)

Kenya

- EcoSafi gasifier stoves
- Subscription-based sales model
- Ecosafi pellets, made from agricultural waste, sugarcane bagasse



25,000

Clean cooking
services to be
deployed



1.5 MEUR

Funding
committed



125,000

Expected # of
people with access
to clean cooking

NO



Emerging Cooking Solutions

Zambia

- ECS will rent 28,666 Mimi-Moto and SupaMoto gasifier stoves and sell SupaMoto pellets of its own production to customers using a subscription-based utility model
- “Tool and fuel” distribution model combined with stove use monitoring (SUM)
- Currently using forestry residues for pellet production, plans to expand to agricultural waste



28,666

Clean cooking services to be deployed



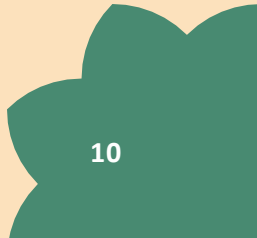
€ 2 million

Funding committed



143,330

Expected # of people with access to clean cooking



Thank you!

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www.moderncooking.africa