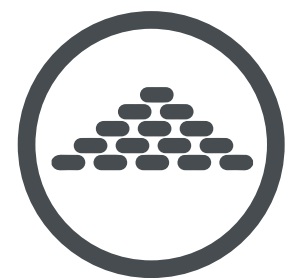




EEP S&EA SECTOR PROFILES: SOLID BIOMASS



The Energy and
Environment Partnership
Programme Southern and
East Africa
PHASE II

31 DECEMBER 2016

2016 results	Biomass	% of total
tCO2e emission reductions	42,892	21%
HHs reached	6,053	1%
Jobs	364	10%
Economic time saved	90,723	54%
Energy generation [Heat, MWh]	92,796	48%
Energy saved [MWh]	112,630	20%
Investments	6.2 M€	15%

Total funding	€
EEP funding	2,9M
Co-funding	2,5M
Total budget	5,5M

Country	No of projects
Botswana	1
Kenya	4
Namibia	1
Rwanda	1
South Africa	1
Tanzania	1
Regional	1
Total	10

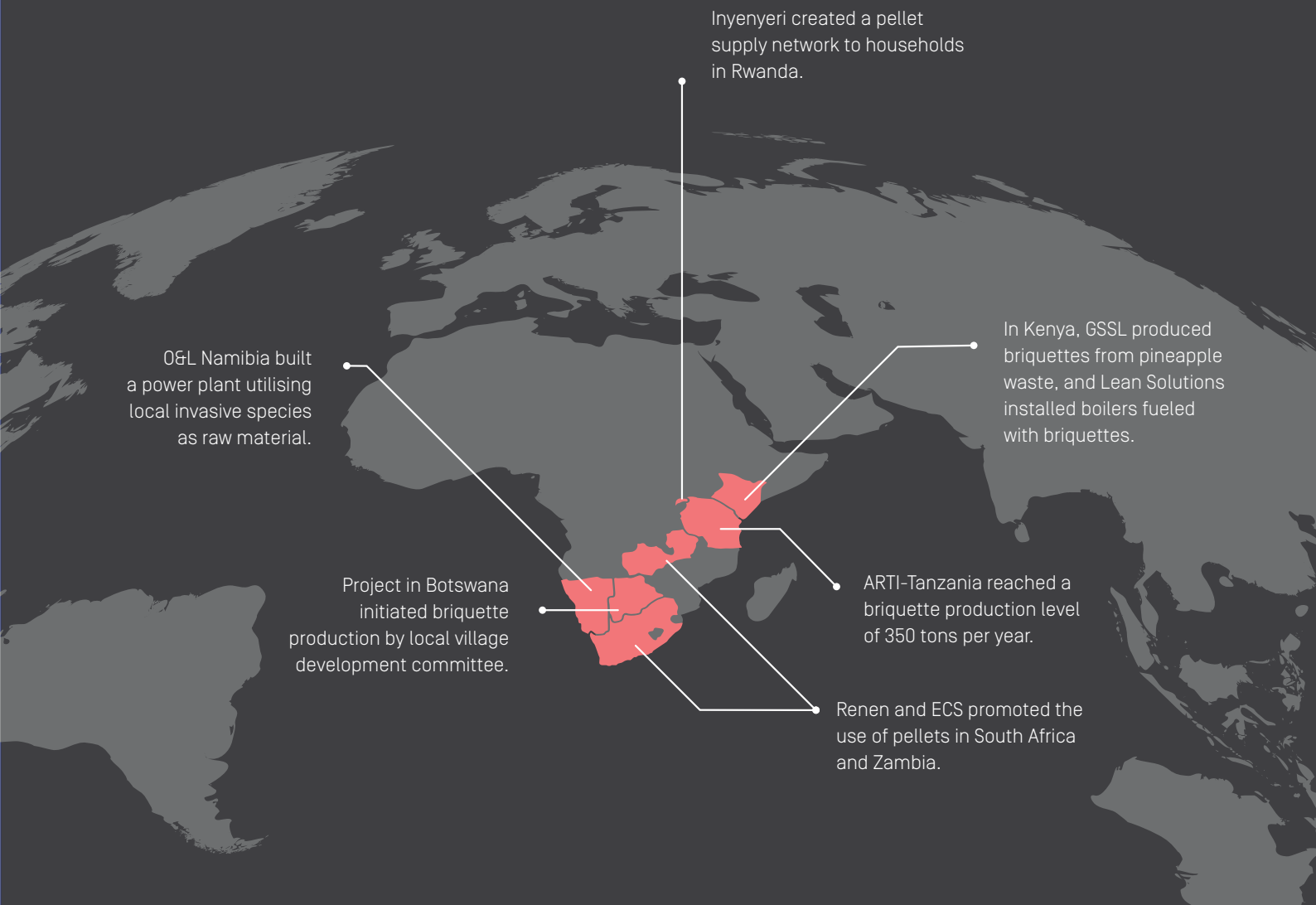
Solid Biomass Key Results 2016

- In 2016 altogether ten Solid Biomass projects contributed to the M&E results
- These projects included three demonstration, four scale-up, and three pilot projects
- Solid Biomass sector is a mix of various technologies and projects, including projects producing pellets or briquettes, and projects utilizing solid biomass in cook stoves or for power generation on an industrial scale
- Solid Biomass projects had a significant impact on CO2e emission reductions due to projects replacing an existing fuel with a more sustainable one. For example, pellet and briquette projects often provide an alternative for fuel wood
- By replacing or reducing the use of fuel wood, the Solid Biomass projects generated economic savings worth 90,723 euros in areas where fuel wood is regularly collected by the households, mostly by women and girls
- The projects providing a more efficient fuel source also contributed both to generated heat energy by the efficient fuel, and energy savings of the previously used less efficient fuel
- The EEP Solid Biomass projects reached 6,053 households in 2016. In addition, some of the Solid Biomass projects work through sales agents and small businesses. These indirect sales to households are not included in the results
- Solid Biomass projects successfully raised funding beyond the EEP project budget, reaching 6.2 million euros of investments for scaling up operations

Solid Biomass projects contributing to 2016 results

- Solid Biomass projects are well represented in the EEP portfolio. At the end of 2016, there was a total of 35 Solid Biomass projects in the EEP Programme portfolio of 223 projects
- Four of the Solid Biomass projects contributing to 2016 results were implemented in Kenya, while other countries, Botswana, Namibia, Rwanda, South Africa and Tanzania all had one. One regional project included activities in both South Africa and Zambia
- A few examples of EEP solid biomass projects that contributed to 2016 results are presented in map below

Solid Biomass projects successfully raised funding beyond the EEP project budget, reaching 6.2 million euros of investments for scaling up operations.



O&L Namibia built a power plant utilising local invasive species as raw material.

Project in Botswana initiated briquette production by local village development committee.

Inyenyeri created a pellet supply network to households in Rwanda.

In Kenya, GSSL produced briquettes from pineapple waste, and Lean Solutions installed boilers fueled with briquettes.

ARTI-Tanzania reached a briquette production level of 350 tons per year.

Renen and ECS promoted the use of pellets in South Africa and Zambia.

EEP S&EA

The overall objective of the EEP S&EA is to reduce poverty through inclusive and job creating green economy and improved energy access and security in the Southern and East Africa regions while mitigating global climate change.

Disclaimer

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