Project title : PROAGROVALOR - Support to Agrovalor craftspeople for sustainable spread of Agrovalor technologies within the framework of SolinAE - Innovative solutions for access to sustainable energy off-grid

Project place	Project cost	Role in the project	Technical and financial sponsors	Dates
Côte d'Ivoire	146 000 €	Coordination	Agency for ecological transition - ADEME, AFD - French Development Agency, Chigata, Atelier de Soudure Industrielle Somtinda - ASIS	January 2020 - March 2022

Project's goals and results

Main goals

The small agrifood industry often uses rudimentary, energy-intensive and polluting tools. The project is part of the current Agrovalor RCI project, which aims to distribute efficient equipment (pyrolysis ovens, bio-digesters, etc.) and adapted to the energy recovery of waste resulting from the processing of cashew nuts, cassava and shea nuts in local food processors in these sectors

Specific objectives

SO1. Design and market suitable technologies for the energy recovery of cashew shells and waste from the processing of cassava and shea **SO2.** Strengthen local skills through the training of young technicians, the structuring of equipment supplier operators and the appropriation of results by a public body

Beneficiaries

- 9 different industrial sites to install 5 pyrolysis ovens, 3 boilers, 2 dryers and 4 biodigesters
- 4 groups of producers/processors
- 2 Ivorian structures reinforced in the design, manufacture, marketing, and installation of agrovalor equipment for processing shea
- the population made aware of the environmental and socio-economic issues addressed by these technologies

Results

- **R1.** A reduction in carbon emissions (2,577,904 tonnes of CO2 avoided)
- R2. A reduction in the pressure on the forest (826 tonnes of wood saved)
- R3. Green fuel production (75 tonnes of coal produced)
- R4. Valorization of fermentation juice (294 m3 treated cassava juice)
- **R5.** A reduction in the externalities of the processing of shea (700 m3 of treated shea sludge)

Activities

- A1. Installation of 5 pyrolysis ovens and training of staff for each beneficiary
- **A2.** Valorization of organic shell charcoal

A3. The study, pilot tests, demonstration and capitalization of treatment and recovery solutions for shea and attikk waste water, including biogas, composting, market gardening use, separation of components added value

- A4. Environmental assessment and implementation of financing mechanisms adapted to women's groups
- **A5.** Sensitization and capacity building of women's groups
- A6. Study of opportunities for replicating professional training
- A7. Support for the creation or strengthening of 2 operators to design, market, manufacture and install the equipment
- A8. Monitoring / Evaluation
- A9. Capitalization, communication