Project title : AGROVALOR - Energy valorization of agro-industrial waste in Côte d'Ivoire

Project place	Project cost	Role in the project	Technical and financial sponsors	Dates
Côte d'Ivoire	800 000 €	Coordination	AFD - French Development Agency, Agency for ecological transition - ADEME, FIRCA, Recyclivre, Chigata	December 2017 - October 2021

Project's goals and results

Main goals

Disseminate energy recovery equipment for agro-industrial waste in Ivoiry Coast, adapted to the local context to promote agro-industrial waste from the cashew, cassava and shea sectors, particularly in the cities of Bouaké and Korhogo, by ensuring a transfer of skills for replication of these technologies in Côte d'Ivoire.

Specific objectives

- Design and commercialize appropriate technologies for energy recovery of cashew nuts and cassava and shea processing wastes
- Strengthen local skills by training young technicians, structuring equipment operators and the appropriation of results by a public institutionEnergy recovery

Beneficiaries

- Direct beneficiaries: companies, cooperatives or productive groups (associations or GIEs) active in the processing of cashew, shea or cassava
- Indirect beneficiaries: the employees of these structures, mainly women whose revenues will be consolidated

Results

** R1. ** At least 8 cashew processors are equipped with a pyrolysis furnace for shell enhancement
** R2. ** At least 30 groups of women producing attiéké and 6 groups of women who process shea have acquired energy equipment (improved biodigester and / or oven)
** R3. ** A training program for young technicians is developed with 2 training modules
** R4. ** 3 OEM operators are created or strengthened to respond to other requests

Activities

** A1. ** Realization of 12 techno-economic design studies in cashew processing units
** A2. ** Installation of 8 ovens and training of staff of each beneficiary
** A3. ** Valorization of shell biochar
** A4. ** Phase 1: Design and installation of biodigesters and kilns in 5 attiéké processing groups and 1 shea processing group
** A5. ** Phase 2: installation of improved biodigesters and fireplaces in 25 attiéké groups and installation of equipment within 5 shea groupings
** A6. ** Economic and Environmental Assessment and setting up of a financing mechanism adapted to women's groups
** A7. ** Sensitization and capacity building of women's groups
** A8. ** Development of vocational training programs and selection of two training centers
** A9. ** Training of 10 artisans in metallurgy and 10 masonry craftsmen for the manufacture of ovens
** A10. ** Opportunity study of replication of vocational training
** A11. ** Evaluation of existing equipment suppliers in the fireplaces and ovens sector
** A12. ** Support for the creation or strengthening of 3 operators able to design, market, manufacture and install broadcast equipment