



CDM PROJECT CO-BENEFITS IN GUINEA SAVANNAH REGION, NIGERIA

Efficient use of firewood in rural communities

Project description	<p>The Efficient Fuel Wood Stoves for Nigeria Project involves the distribution of around 12,500 efficient wood-burning stoves ('SAVE80') and heat-retaining polypropylene boxes to replace inefficient traditional fireplaces in the Guinea Savannah Zone, Nigeria.</p> <p>The SAVE80 wood stove system is up to 80 % more efficient in its use of wood compared to traditional fireplaces, leading to a reduction in greenhouse gas emissions and levels of deforestation associated with wood collection. It is being provided to households in partnership with a local organisation for a subsidised price including on a credit basis.</p>
Co-benefits	<p>The project illustrates how the CDM can enhance people's health and quality of life, by:</p> <ul style="list-style-type: none">• Reducing the time spent collecting firewood, a task usually carried out by women and children collection, thereby freeing up their time for social, domestic and educational activities• Promoting inter-community and inter-faith harmony, both by reducing conflict for valuable forest resources and also by featuring technology demonstrations for mixed religious groups in both Christian and Muslim religious facilities• Contributing to poverty alleviation by significantly reducing household expenditure on wood purchases• Delivering cheaper to run domestic cooking for low-income households• Creating local employment opportunities in stove assembly and distribution

"A remarkable aspect of this project has been its capacity to bring together different communities by holding joint presentations on stove operation for all faiths in both churches and Muslim religious halls."

(Yahaya Ahmed, chairman of DARE, British Council Forum on InterFaith and Climate Change)

KEY PROJECT BENEFIT

Providing access to energy efficient cooking while easing resource conflict

Households are saving on average 22 % of their annual income through reduced firewood costs

Children with the SAVE80 household stove
(Courtesy of Florian Zerzawy, Atmosfair)






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CO-BENEFITS IN DETAIL

Economic	<ul style="list-style-type: none"> Providing average savings per household of 150 per year in wood purchase costs, equal to around 22 % of average per capita income in the region (dependent on how firewood is acquired) Contributing to local employment opportunities in stove assembly and in distribution by employing 14 full time employees, and 52 mostly young people who have been trained in stove assembly
Social	<ul style="list-style-type: none"> Improving livelihoods and health, by freeing up significant amounts of time otherwise spent acquiring firewood, especially for women and children who are then able to undertake other more productive activities Improving indoor air quality from reduced smoke production from the cooking stoves, leading to health benefits especially for women and children who spend most of the time in their homes
Empowerment	<ul style="list-style-type: none"> Facilitating skills transfer and engagement of young adults to assist in stove assembly and project implementation Using inter-faith participatory approaches and easing inter-community tensions, especially over scarce wood resources Providing the opportunity to learn about climate change and to contribute to decision-making at the community level

PROJECT FACTS

Project title & number	Efficient Fuel Wood stoves for Nigeria – 2711 Gold Standard – 411	
Project type & methodology	Energy Efficiency in households – Stoves AMS-II.G – Energy Efficiency Measures in Thermal Applications of Non-Renewable Biomass	 
Location	Guinea Savannah Zone, Nigeria Lat: 10° 28' 37" N Long: 7° 25' 10" E	 <p>DARE stove distribution centre (Courtesy of Florian Zerzawy, Atmosfair)</p>
History & CERs	Registered: 12 October 2009 Project operational life: 10 years Expected CERs: 31,309 (tCO ₂ eq/year) Expected total CERs: 313,090 (tCO ₂ eq) CERs issued to date: Request yet to be submitted	
URL	http://cdm.unfccc.int/Projects/DB/RWTUV1245685309.5/view	
Facts as at	November 2010	

This factsheet has been compiled from information provided by project participants of the CDM project, either through the project design document, monitoring reports or subsequent correspondence with project participants. The information is not verified as part of the CDM registration or issuance processes. This factsheet is one of a series produced by the UNFCCC secretariat to highlight the types of co-benefits generated by the CDM.