



Clean house for everyone, Mexico

Utsil Naj ("clean house for everyone"), is a program that helps clean technology initiatives in Mexico to enter the carbon market, accepts projects aimed at the promotion of energy-efficient stoves, solar cookers and water heaters, photovoltaic panels and greenhouses.

Location



The project area covers most states of Mexico. The projects are concentrated in rural areas of Mexico, where 61 per cent of people are living beneath the national rural poverty line, i.e. more than 15 million rural people out of a total rural population of around 25 million.

Project



This PoA enables project developers to link in a single Programme of Activities all appropriate technologies such as cook stoves, biodigesters, water filters, solar panels, solar heaters, insulation devices for rural houses.

In order to use less timber and combat the respiratory problems caused by the smoke coming from traditional cookers, developed efficient cook stoves which are installed across Mexico. So far around 108.000 cook stoves have been certified by the project. Thirteen percent of Mexico's 117 million inhabitants cook with firewood, which is used at an estimated rate of 2.5 kilograms daily per person.



The cook stove initiative started off in 2006 with the distribution of Patsari stoves, one of the most commonly used models of efficient cook stoves in Mexico. They are made of clay and manufactured with federal and state subsidies. A new stove, Túmben K'óoben was developed, made with local materials such as white earth, nopal (prickly pear) cactus juice, lime and corn husks. Through an interest-free microcredit loan, purchasers can pay for them in weekly instalments of eight dollars.

The Utsil Naj also includes other appropriate technologies such as water filters which with improved cook stoves contribute to improve the health of thousands of families living in poverty, which reduce respiratory illnesses and waterborne diseases. Partner NGOs, including Fund for Peace, Fondo Para La Paz, GIRA and Rexel Foundation promote access to safe water using capture and storage systems, safe cooking technologies, greenhouse technologies and valuable social support to the rural communities in Mexico.

Project achievements



Socio-economic impact:

- The project creates employment and builds capacity throughout the supply chain, i.e. in manufacturing, distribution, retailing, quality control, training and project management.
- The new stoves are less smoky, reducing emissions of hazardous air pollutants and improving the health of the cooks, typically mothers and children.
- Reducing fuel costs for families and freeing up money for other uses, the project improves livelihoods of the poor.
- The inefficient burning of wood for three-stone fires required the women and children to gather huge amounts of wood daily (9,000 kg per family per year), contributing to Mexico's deforestation level of 2% per year.
- For families that purchased their firewood, this required spending up to 40% of their entire income simply to cook their food.
- Project partner, the Rexel Foundation, provides professional training for the young students from disadvantaged backgrounds, in electricity and automation to help them towards an advanced level professional qualification. In addition, funding provided will help update technical equipment for the training laboratories and full scholarships for 30 new students.
- NGO Fund for Peace in Mexico, partnered with the project owner are sponsoring 144,000 children, mostly indigenous and is building rainwater storage in 13 rural schools in the states of Chiapas, Campeche, Oaxaca, San Luis Potosí and Veracruz. 1,114 children participated in this water project, providing at least 150,000 liters of clean and safe water.
- Fund for Peace also promote through numerous projects, the development of indigenous communities living in extreme poverty.
- Fund for Peace water project provides at least 15 million liters of fresh water to indigenous families in rural communities in the states of Veracruz, Campeche and San Luis Potosi.

Environmental impact:

- Significant reduction of baseline deforestation levels because of reduced wood burning saves forests and wildlife habitat, and improves the water storage capabilities of the soil.

Checklist Project 301 632



✓ Additionality and permanence:	according to the rules of the VCS
✓ Transparency:	TÜV SÜD
✓ Annual CO ₂ -reduction:	60,000 tCO ₂ e
✓ Social and environmental benefits:	as documented in our database
✓ Marketing material:	pictures available

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