Sustainability action · Project Climate Change

Qori Q'oncha clean cooking stoves, Peru

This project is building efficient cooking stoves for the poorest parts of the Peruvian population, improving their health situation and reducing unsustainable forest use all over the country.

Project

Families in Peru's rural regions have traditionally cooked their meals over an open flame. As traditional houses usually have one room only, thick smoke poses a serious health risk for all the family. Acute respiratory and eye diseases are a significant problem, particularly for women and children. Additionally, this traditional form of cooking requires large amounts of firewood, which puts pressure on the local forests and is a contributor to climate change.

The project's improved stoves replace open stoves with a stable "fogón tejero" (brick stove) constructed with local material by locals who underwent training. The project is improving the long-term living conditions of indigenous people in rural regions and is protecting the local environment. Since the use of energy-efficient cooking stoves leads to a reduction of up to 50% of unsustainably harvested firewood, it saves forests and protects our climate.

To be able to introduce tailor-made solutions, the project developers conducted a socio-anthropological study in the Andean region already in 2007 to understand the cultural dimension of the target population's kitchen habits. Focused on the socio-cultural dimensions related to cookstoves in the region of Cusco, Peru, the study served as an important project design parameter. More than 80,000 stoves have already been implemented by today, which will save about 80,000 tons of wood and 300,000 tCO_2e over the project's 7 years lifetime alone.

Checklist	Additionality and permanence	3rd party verified	Transparency	Annual CO_2-reduction	Social and environmental benefits	Marketing material
Project 301 582	According to the rules of the Gold Standard	By TÜV Nord	Provided by the Markit Environmental Registry	45,000 tCO_2e	As documented in our database	Pictures available

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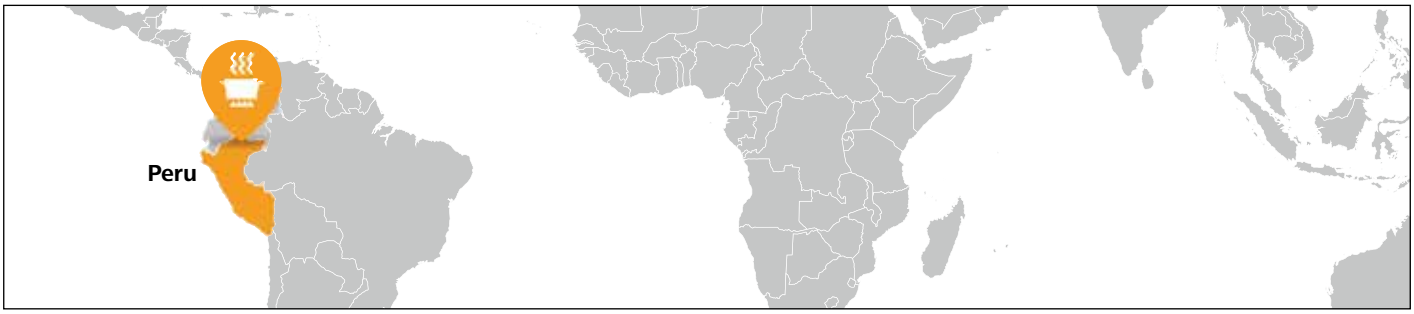

Location

Based in the capital Lima, the project is active all over Peru. Its fast-developing economy has so far not led to environmental improvements, and particularly rural areas are suffering from the degradation and deforestation of both tropical and mountainous forests.

Project achievements

Socio-economic impact

- The stoves are (at least partially) closed, with a chimney that draws the toxic smokes outside the house. This reduces smoke emissions and improves indoor air quality, thus improving the health condition of particularly women and children.
- The project also brings poverty alleviation to rural families thanks to a reduction in fuel costs and time spent for firewood collection;
- Local institutions and villagers are trained both in the construction and use of the stoves and instructed in the areas of technology, health and the environment. This guarantees for long term benefits for all parties involved, and our climate.

Environmental impact

- Improved cooking stoves reduce the demand for non-renewable firewood, thus saving forests.
- With forest protection, positive effects on biodiversity and soil conditions can be observed (less erosion, better soil moisture capacity, …).
- Reduced emissions of particulate matter, methane and nitrogen oxide emissions improve the general air quality.
- Peru's rural areas are hard-hit by the degradation and deforestation of both tropical and mountainous forests. The country is considered to be the 3rd most vulnerable country to climate change. This project contributes to tackling such issues through capacity building, education, and concrete action.

Gold Standard






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