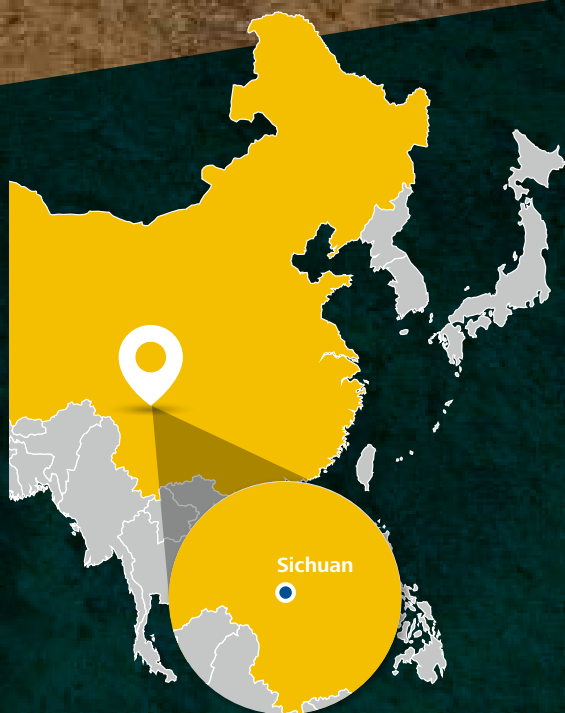




# SICHUAN BIOGAS CHINA

Clean biogas for poor rural households



*This project helps low income rural households switch from expensive fossil-fuels to reliable, renewable energy in the form of biogas from biodigester tanks. This not only improves environmental conditions but results in greater comfort and significant savings on time.*

### The Context

The Sichuan Province of rural China contains 43 counties officially defined as among the country's poorest communities. The average annual per capita income of families in this province is approximately 500 euros. In the aftermath of the 2008 earthquake, which claimed the lives of nearly 70,000 people and left 4.8 million homeless, the situation has only worsened.

### The Project

UPM's Sichuan Biogas Programme of Activities (PoA) provides a cleaner, cheaper energy alternative for farm households in Sichuan. The project installs efficient biogas digesters that convert the methane from animal manure emissions into clean biogas for cooking, heating and lighting. These reliable systems reduce methane emissions originating from the widely used animal manure storage pits. In addition, by avoiding the burning of fossil fuels and reducing firewood pressure on forests, greenhouse gas emissions are reduced.

### The Benefits

Installing biogas digesters improves air quality for communities, providing smoke-free methods for cooking. This also greatly reduces time spent by women collecting firewood or travelling to purchase fuel, and thus is also associated with a reduction in household costs. The project operation has created both permanent and temporary jobs in digester maintenance and installation. Superior quality organic fertilizer generated in the biodigesters increases both crop yields and the quality of agricultural products.

"This is a very good programme, it has a very positive effect on farmers' revenues and on environmental protection."

**Zhou Nanhua**  
Director Sichuan Rural Energy Office



**Gold Standard**



**GOOD HEALTH**

is promoted by improved air quality and efficient disposal of animal manure



**CLEAN ENERGY**

in the form biogas is used for cooking, heating and lighting



**JOBS**

in digester installation and servicing provides steady income streams



**613,252 tCO<sub>2</sub>e**

reduced on average every year, by providing an alternative to burning fossil fuels

For more information on the UN Sustainable Development Goals, please visit: <http://www.un.org/sustainabledevelopment/sustainable-development-goals/>

**Official name:** Sichuan Rural Poor-Household Biogas Development Programme Master Project |

**UNFCCC/markit/VCS link:** [https://mer.markit.com/br-reg/public/master-project.jsp?project\\_id=1030000000000027](https://mer.markit.com/br-reg/public/master-project.jsp?project_id=1030000000000027) | **UNFCCC/markit/VCS ID:** 0027

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