



Utsil Naj - “A healthy home for all”

Utsil Naj in Mexico uses clean cooking technology to help families enjoy their traditional food in a healthy and sustainable way.

For the past few decades, **climate change** has impacted many rural communities in Mexico. Particularly, hurricanes and floods have caused significant damages to many small **farming communities**, which are already especially vulnerable as their crops are a source of **income** and, in many cases, **subsistence** for their **families**.

As an added **pressure**, a significant proportion of the **same population** still cooks on **open stoves** with biomass. It is estimated that in Mexico alone, over **5 million** people cooking with firewood. As a result, families have to **cut more trees**, use more firewood and produce **more smoke** every time they need to cook. This has a **huge impact** on the **environment** and their **health**.

The Utsil Naj project in Mexico aims at addressing these challenges in an innovative way. Switching to **improved cookstoves (ICS)** reduces the use of firewood and **lowers carbon emissions**, all while expelling the toxic fumes outside the users’ homes. This **decreases** indoor air pollution dramatically and **contributes** to forests and biodiversity preservation. With this solution, rural families in Mexico can improve their health, **prevent deforestation** and participate in the global fight against climate change.

* Assuming firewood used comes from prosopis, pine and acacia plantations 3x3 meters apart

Mexico, North America



- 📍 Making an Impact since: **2012**
- 📍 Technology: **Improved Cookstoves**
- 📍 Community members benefited to date: **83,177**
- 📍 Emissions avoided since the beginning of the project: **172,720 tCO₂e**
- 📍 Trees saved to date: **9,618,195***



46,218

Number of community members benefited



98%

of beneficiaries say respiratory diseases and burns occur less or not at all since the ICS implementation



99%

of beneficiaries participated to capacity-building activities about the use and the benefits of the ICS



8,519

Number of improved cookstoves installed



34

Number of permanent jobs created by the implementation of the project



88,141

Tonnes of greenhouse gases avoided



14,809

Tonnes of firewood saved a year

SUSTAINABLE DEVELOPMENT GOALS



The project is certified by the prestigious **Gold Standard**. Its impacts on our communities and our planet are carefully measured and reported as contributions to achieving the **Sustainable Development Goals (SDGs)** defined by the United Nations (UN). The indicators shown above are taken from the last verification of the project, from the period 2015-2018.

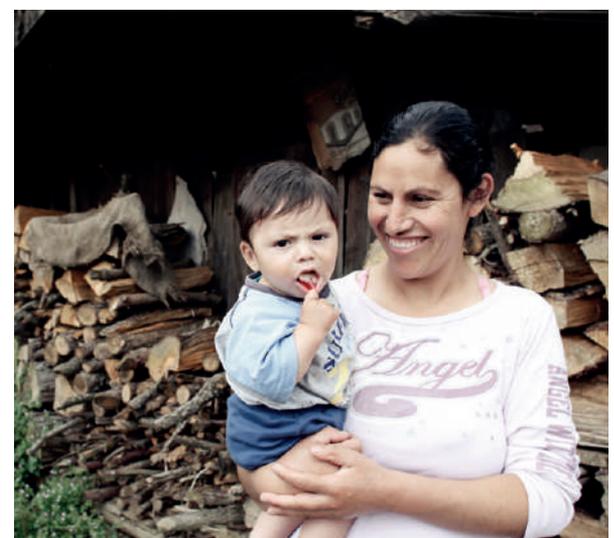
Impacts and project benefits

In addition to the **environmental** impacts generated by the project, Utsil Naj has a profound **social** and **economic** impact on the life of **each beneficiary**, lowering the risk of heart and lung diseases and reducing the amount of time spent in cooking-related chores.

This is particularly important in Mexico, where communities face the **added challenge** of lack of access to **clean water**. Boiling water becomes **essential** in these conditions. For them, an improved cookstove represents a way to **improve** their overall quality of life. This is why it is important to improve their access to efficient **cooking solutions**.

Revenues from the carbon credits sales are entirely **reinvested** in our projects. Microsol commits **100%** of carbon credits sales to make sure all of our projects are **maintained over time**. This includes monitoring and maintenance activities, and eventually the inclusion of **new families** into the project so more can enjoy the benefits of this solution.

Lasting impact in every family



ICS are having a lasting impact in the state of Oaxaca, Mexico. As one beneficiary put it, "...we are very happy because it saves us a lot of firewood and (...) it protects us from developing any lung diseases".