



SNV is an international development organisation that started out in the Netherlands more than 45 years ago and today works in more than 30 of the world's poorest countries. We provide capacity development services to local organisations in three sectors: Agriculture, Renewable Energy and Water, Sanitation & Hygiene. In our efforts to find local solutions to global challenges, we employ over 1,200 advisors and play three primary roles: advisory services, knowledge networking and evidence-based advocacy. SNV aims to make a difference in the lives of 15 million people living in poverty over the period 2011-2015.



Clean cookstoves can improve the lives of billions

A staggering 2.6 billion people still depend on traditional cookstoves or open fires for cooking and heating their homes (World Energy Outlook 2012). Many women and children are forced to spend long hours every day collecting material for fuel. As a consequence, much of the Earth's natural forests are being depleted, which, in turn, negatively affects climate change. Additionally, households that use traditional forms of cooking are exposed to fumes that cause serious respiratory illnesses and eye ailments. Without new policies and measures, in 2030 the number of people still living without clean cooking facilities will remain at 2.6 billion.

To address these costly health and environmental problems, clean fuel and improved-efficiency stoves have now been successfully developed. By making these stoves more widely available through a sector-based approach, the health, financial and social benefits can be significant; for example, families can dedicate more time to other activities by spending less time collecting firewood and save costs on fuel expenses. At the same time, local businesses can emerge within new improved cookstove industries (ICS); all while improving and saving lives.

Global Alliance for Clean Cookstoves

SNV is one of the founding partners of the Global Alliance for Clean Cookstoves, a public private initiative led by the UN Foundation. Launched in 2010, the Alliance is committed to enabling 100 million households to adopt clean and efficient cookstoves and fuels by 2020.

See also: www.cleancookstoves.org

SNV kindling cookstove development around the world

We focus our approach on the following areas of action, along with our partners and clients around the world:

Promoting innovative cookstove technology

We support high-quality cooking solutions, ranging from traditional to advanced technologies. We promote cookstoves that meet quality standards for: fuel efficiency, safety, reduced emissions, affordability, durability, and convenience for household cooking needs. Working directly alongside local and international manufacturers of improved cookstoves, we offer training and advisory services, conduct research, test new designs in the field, and adapt innovative technologies to satisfy local needs. To guarantee that cookstoves are used to their maximum potential, we conduct localised campaigns to follow up with improved cookstoves consumers.

Boosting the market for improved cookstoves

To ensure long-term viability of the improved cookstoves market, we offer services to various players on both sides of the supply and demand chain. In some areas with a limited improved cookstoves market, SNV works with its partners to develop the sector from the ground up. From entrepreneurs to financial institutions, from manufacturers to retailers, from importers to distributors, we bring actors together to build a competitive value chain and facilitate the large-scale adoption of clean cookstoves. We enhance existing business models, making them market-oriented and sustainable with strengthening participation of private enterprises. We implement our Inclusive Business methodology to accelerate cookstove distribution and market development.

Enabling the environment for improved cookstoves sector development

We work to establish political and economical conditions that are conducive to improved cookstoves sector development. To this end, we provide advisory services to governments on policy-making to stimulate private sector involvement. We also work with governments to set up market intelligence and quality standards, e.g. promoting independent agencies for quality control. In order to uphold top environmental standards as well as mobilise funds within the market, we encourage the implementation of carbon credit projects, both through the Clean Development Mechanism and the Voluntary Carbon Market.



SNV Projects Overview:

Using carbon financing to promote improved cookstoves implementation in Nepal

The improved cookstoves project in Nepal started in 2012 in the Far West, the poorest region of Nepal. It focuses on technological innovation, sustainable market development through private sector development, carbon financing and knowledge development. Conducted in partnership with the Alternative Energy Promotion Centre (AEPCC) – a government apex body – the project aims to install 150,000 improved cookstoves between 2012 and 2017.

Notable Achievements:

- 2,000 improved cookstoves have been installed in four months (from Sep-Dec 2012), with an additional target of reaching 18,000 households in 2013.
- Using the rocket stove principles, a new design of improved cookstoves has been developed with a prefabricated metallic combustion chamber.
- Clean Development Mechanism (CDM) Programme of Activities (PoA) registration is expected by the end of 2013, while a purchase agreement has been concluded with Eneco, a Dutch energy utility.

Main donor: Ministry of Foreign Affairs Netherlands (DGIS), Eneco

Exploring biofuel alternatives in Honduras

One principle cause of severe deforestation in the southern region of Honduras is the use of wood to fuel inefficient cookstoves. Through the sustainable production of biofuels, trials are being initiated to adapt domestic stoves to begin using pellets and briquettes made from *Jatropha* derivatives that replace the use of wood. So far, the results look quite promising for stoves fuelled by *Jatropha* pellets, which are generating enthusiasm among consumers for both their convenience and efficiency for cooking food.

Notable Achievements:

- Production of *Jatropha* briquette and pellets is being piloted successfully.
- Three different portable stoves are being tested with *Jatropha* biomass, according to the Kitchen Performance test and a newly-adapted design is under development.

Main donor: Cordaid

Improved cookstoves value chain development in Laos

The vast majority of households in Lao PDR cook on charcoal and wood, yet the market is currently dominated by inefficient and poorly-produced stoves. Following a value-chain approach, the improved cookstove project in Laos has successfully upgraded the quality of stoves by setting standards for design, introducing new production methods and imposing quality control.

Notable Achievements:

- Newly designed cookstoves save 25% in fuel compared to traditional stoves.
- Stoves are profitable for producers and retailers as consumer demand is very high.
- Three well-equipped stove test laboratories have been put into place in order to encourage research and development of new cookstoves and to allow quality assurance.

Main donors and partners: the European Commission, Normai Lao PDR, Oxfam Novib and the Blue Moon Fund

Enabling an improved cookstoves environment in Democratic Republic of Congo

The project for improved cookstoves in the DRC is aimed at promoting market stimulation. Having a holistic outlook of the sector, SNV establishes crucial links between key players and services in Congo's stove market: from connecting emerging stakeholders with know-how expertise and advisory services, to bringing together actors from the government, private sector and public to jointly develop innovative policies. By establishing the right legal and political environment, SNV aims to facilitate the development of the market for improved cookstoves in the DRC.

Notable Achievements:

- A national knowledge and testing centre has been founded, in partnership with the National Institute of Applied Techniques, to support quality management of improved cookstoves.

Main donors and partners: DGIS, ISTA

Market development and improved cookstoves diversification in Tanzania

An improved cookstoves project will begin in Tanzania in April 2013, focused initially on the Lake Zone.

The project is directed on product development and increased market availability of improved cookstoves that meet the demands of underserved biomass energy consumers – rural wood fuel users and urban food vendors. The aim of the project is to reach 7,500 rural wood fuel consuming households and 1,000 food vendors over the course of two years.

Notable Achievements:

- Development of the 'Matawi' (Swahili for 'branches') Stove, a new design of improved cookstoves that has been developed with local artisans and incorporates rocket and Upesi wood stove principles.
- Tailoring of impact investment services to micro and small scale enterprises to facilitate practical and tangible means for enterprise growth.

Main donor: GIZ/EnDev

Niger improved cookstoves project for Malian refugees

In 2012, there were an estimated 40,000 refugees in Niger having fled conflict in Northern Mali. In response to this humanitarian crisis, the Cooperation and Cultural Action (SCAC) department of the French Embassy approached SNV for help in finding a solution to the environmental degradation associated with the refugees collecting wood around the camps. SNV organised a project that was completed in five months, providing cookstoves to 14,200 households affecting approximately 71,000 people and reducing the environmental footprint of the refugees' presence through an improved wood fuel efficiency of 35% over the traditional three-rock stove.

Notable achievements:

- 89 metal workers trained and improved their capacity to make and repair cook stoves.
- 5,000 multi-pot stoves produced via local associations in Burkina Faso.
- 9,200 stoves of the Mai Sauki type (GIZ design) produced via metal workers across Niger.

Main donor and partners: French government, Care International, Islamic Relief, ACTED

Applying SNV's expertise in biogas to the improved cookstoves sector

SNV initiates and supports biogas programmes in Asia, Africa and Latin America, through which more than 500,000 biogas plants have been installed. These plants enable clean cooking through simple cookstoves that have improved the quality of life for nearly 2.9 million people since its inception 13 years ago. We aim to use our extensive experience in this field to maximise our chances of success in the improved cookstoves sector.

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