



SCALE - STRENGTHENING IMPROVED COOKSTOVE ACCESS TOWARDS A BETTER QUALITY OF LIFE AND ENVIRONMENT



CLIMATE CHANGE



ECONOMIC DEVELOPMENT

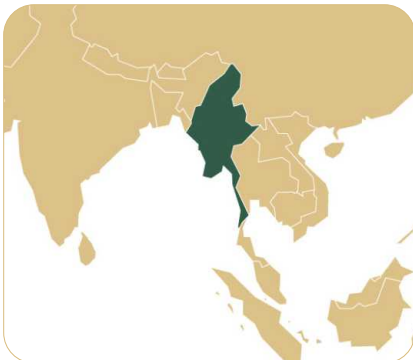


ENERGY SAVINGS AND EFFICIENCY

Improve economic development, environmental protection and livelihoods of the people relying on biomass



Replication of the Cambodian improved cookstove success in Myanmar



More than 90% of Myanmar's population relies on biomass for cooking

BENEFICIARIES

- **300,000 households** will have increased access to fuel-efficient and clean cookstoves. As women are the primary cookstove users, they will benefit the most from these actions.
- **80 SMEs**, including 50 small and medium distributors/retailers, 5 production centers and 30 producers.
- **Government bodies**, including the Ministry of Natural Resources and Environmental Conservation, and the Forest Research Institute.

ISSUES AND CHALLENGES

- According to the WHO, **3 million people die** each year because of open fire or traditional biomass (firewood and charcoal) cooking devices. In Myanmar, a country of 60 million people, more than **90% of the population relies on biomass** and cooks daily with inefficient and highly polluting cookstoves.
- **Wood provides for more than 80% of the energy** used for cooking. Today, all of the wood used as fuel comes from unsustainable and illegal logging of local forests. Forest degradation has become a major issue in Myanmar, with an **annual deforestation rate of 2%** (UN FAO 2007). Fuelwood use also increases the burden on women, as they are the household members primarily in charge of collecting firewood, **spending more than 200 hours a year on this activity**.
- Traditional cookstove production is highly fragmented and not standardized, with consumers **rarely having information on the quality, performance or safety of such devices**. Cleaner and more efficient alternatives, such as improved cookstoves (ICS), are not widely available.
- Given the size of the cookstove market in Myanmar, there is an opportunity for large-scale dissemination of ICS in the country, contributing to the **socioeconomic development of individuals and communities** through livelihood improvement activities and development of local production and distribution channels.

OBJECTIVES AND SOLUTIONS

Building on its proven methodology which enabled the dissemination of **3.5 million ICS** in Cambodia in the last decade, GERES has teamed up with a local Myanmar organization, EverGreen Group (EGG), to **replicate the Cambodian ICS success story** in Myanmar by facilitating wide-scale access to cleaner and more efficient cookstoves.

- **Supporting** ICS sector development and working with EGG to scale up the production, supply and promotion of improved cookstoves.
- **Stimulating** domestic demand for ICS.
- **Fostering** a policy environment that is supportive of positive climate and energy action.

Market and design strategic action plans (incorporating a gender-inclusive approach)

2014 - 2015

Strengthen the local ICS supply chain, promoting local ownership

2015 - 2016

Boost local demand through awareness raising campaigns

2016 - 2017

Foster an enabling policy environment for sustainable exit strategy

Evaluate impacts and scale up lessons learned for national

2017 - 2018

EXPECTED RESULTS AND IMPACTS

Socioeconomic impact

For end-users

- **300,000 households** spend about 30% less money buying charcoal and less time collecting firewood, saving approximately **USD 5 million** by the end of the project.

- Cookstove use has a reduced respiratory health impact, positively impacting women.

For entrepreneurs

- **80 SMEs** are trained in producing and distributing standardized ICS

- **200 jobs** are created for newly trained, skilled craftspeople

- **1 business association** is founded, involving all actors in the cookstove supply chain

Environmental Impact

- Prevent **250,000 tons of CO2** emissions (estimated)

- Save **74,000 tons of biomass**

- Reduce **CO, CO2 and particulate matter** emissions (PM 2.5) into the atmosphere

- Protect the **climate** and local **environment**, and diminish pressure on natural resources

Institutional impact

- **1 quality testing laboratory** is established at the Forest Research Institute

- **1 labeling scheme** and set of standards is drafted and piloted

- A **national biomass strategy** is developed

TECHNICAL PARTNERS

- Ministry of Natural Resources and Environmental Conservation, Myanmar
- Forest Research Institute, Myanmar
- EverGreen Group (EGG), Myanmar
- ENERGIA/HIVOS, Netherlands
- StovePlus, Cambodia
- Improved Cookstove Producers and Distributors Association of Cambodia
- NGO Mercy Corps, Myanmar

FINANCIAL PARTNERS

- European Union
- AFD French Agency for Development
- Fondation Lord Michelham of Hellingly
- Fondation Raja - Danièle Marcovici
- Fondation Prince Albert II de Monaco



GENDER EMPOWERMENT

In partnership with EnerGIA:

- Engage women as **stove entrepreneurs** and promote **equal employment**.
- Invite end-user groups - mostly women - to input into the stove design process, to **ensure local sociocultural norms and cooking practices** are respected.
- **Raise awareness** on clean cooking solutions and their benefits on livelihood, health and the environment.

TO SEE :

Publication: Outcomes, looking back at ten years of activity in Cambodia

Website GERES - Southeast Asia: <http://gsea.regions.geres.eu/>

Website: www.stoveplus.org

Video: Building a greener Myanmar with clean cookstoves



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