



CAMBODIA

SUPPORTING SUSTAINABLE SUPPLY CHAINS IN THE DOMESTIC ENERGY SECTOR

Supporting the emergence and empowerment of two local business associations engaged in the production and distribution of sustainable energy solutions.



Since 2003, GERES has supported the dissemination of more than 3.5 million improved cookstoves in Cambodia



Each year, 4.7 million tons of wood are consumed for domestic cooking.

BENEFICIARIES

- **2 inter-professional associations** of producers and distributors of improved cookstoves and sustainable fuels.
- **100,000 potential users**, informed about the impacts of traditional fuels and cooking devices and about sustainable alternatives.
- **Cambodian policy makers**, including the Ministry of Mines and Energy, and the National Council for Sustainable Development.

ISSUES AND CHALLENGES

In Cambodia, **biomass-energy represents 70% of the energy mix** and woodfuels (wood, charcoal and sawdust) account for more than 90% of the biomass-energy final demand. Domestic cooking itself generates a demand of 4.7 million tons of primary wood per year, which represents three times the energy demand of the transportation sector. Meanwhile, the increasing scarcity of wood resources and the illegality of wood collection in Protected Areas will soon translate into an increase in wood and charcoal prices, and will directly threaten

Cambodia's remaining wood heritage and resilience to climate change. In order to tackle these environmental and socioeconomic challenges, GERES has been supporting for twenty years the Royal Government of Cambodia and the private sector in the development of **sustainable wood-energy value chains**. This translates into the dissemination of **energy-efficient cooking devices**, along with the development of **alternative and sustainable fuels made from biomass residues** to replace the traditional charcoal.

OBJECTIVES AND SOLUTIONS

This project aims to create the conditions for the emergence of **two local inter-professional associations** engaged in the production and distribution of sustainable energy solutions: Improved Cookstoves (ICS) and sustainable biomass fuels. The objectives are to ensure the continued development of these local organizations by working on their governance and economic model; to support the emergence of sustainable wood-energy supply chains by **encouraging market demand**; and to contribute to the development of an **attractive regulatory framework** to stimulate public and private investments in the biomass-energy and forestry sectors.

The Improved Cookstoves Producers and Distributors Association of Cambodia (**ICoProDAC**), created by GERES in 2004, is now the main entity driving the Cambodian ICS market. However, it still needs **technical assistance** to reach its total autonomy and long-term sustainability.

Likewise, since 2008, GERES has been working on the creation of **alternative biomass fuels supply chains** in order to displace at least part of the traditional charcoal which is a direct driver of forest degradation. In order to better structure this nascent sector, SEFED supports the creation of a **business intermediary** that would represent and defend the common interests of its actors.

PROGRAMME OF ACTIVITIES 2016 - 2019

- 1. Building the capacity** of 2 inter-professional associations engaged in the distribution of sustainable energy solutions, by working on their governance, business model, and their capacity to mobilize adequate resources.
- 2. Supporting market demand** for energy solutions that are ecologically sustainable and socially responsible by raising consumers' awareness and promoting the proposed solutions.
- 3. Contributing to the development of attractive regulatory and tax frameworks** to stimulate public and private investment in the biomass-energy and forest conservation sectors.

EXPECTED RESULTS AND IMPACTS

SOCIOECONOMIC IMPACT

- Local micro entrepreneurs are directly **involved in the governance** of the 2 associations and benefit from quality services which contribute to **increase their productivity** and develop their activity.
- Cambodian households have access to energy solutions that are **ecologically sustainable** and **socially responsible**.

INSTITUTIONAL IMPACT

- The two business associations gain **visibility and leverage** at institutional level.
- Capacity building is provided to the **institutional partners** (NCSD, MME, interministerial working groups).
- An **enabling and attractive regulatory framework** stimulates public and private investments in the wood-energy sector.

- Private investors and development partners benefit from knowledge and lessons learned collected during the project and are able to launch **evidence-based initiatives in the wood-energy sector**.

GENDER IMPACT

- Women entrepreneurs** are encouraged to take responsibilities within the two business associations to better defend their specific interests.
- Women end-users** benefit from improved cooking solutions, which reduce the time and money they spend on cooking.

ENVIRONMENT AND CLIMATE IMPACT

- The project directly contributes to **reduce GHG emissions** from forest degradation driven by domestic woodfuels consumption.



70 % of ICoProDAC producers are women.

FINANCIAL PARTNERS



- AFD** - French Agency for Development.



- UNEP-DTU Partnership** - United Nations Environment Programme - Denmark Technical University Partnership.

TECHNICAL PARTNERS

- CIRD** - Cambodian Institute for Research and Rural Development.
- NCSD** - National Council for Sustainable Development.
- MME** - Ministry of Mines and Energy.
- Technical Working Group** on Wood and Biomass Energy.



- ICoProDAC** - Improved Cookstove Producers and Distributors Association of Cambodia.
- AFAC** - Alternative Fuels Association of Cambodia.



ICoProDAC, AN ASSOCIATION THAT STRUCTURES THE ICS MARKET

ICoProDAC is the first and largest **business association** of its kind in Cambodia and in the world. It gathers more than **300 members**, from ICS producers to distributors, among which **50% are women**.

In 2014, the association celebrated its **10-year anniversary**.

GET INVOLVED!

We are looking for additional financial partners to support the different activities of the project. Please visit our website www.geres.eu to learn more about our projects.

WEB LINKS

Cambodia Capability Statement - Outcomes Magazine 2014

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