



ULAANBAATAR,
GER DISTRICT

“Switch Off Air Pollution (2018-2021)”



Switch Off Air Pollution



Facts

Name: Switch Off Air Pollution
Duration: 2018-2021
Budget: 2.191.896 Euro

Target group:

- Households in the ger district
- MSMEs at construction sector
- National and local authorities
- Financial agencies
- Private construction companies and experts
- International development agencies

Target area:

Ger district in Ulaanbaatar, Mongolia

Introduction

The Government of Mongolia declared air pollution in Ulaanbaatar a state emergency in early 2017 with renewed ambitions and openness to explore additional ways to tackle the issue. As the main source of the air pollution in Ulaanbaatar city, ger district's energy efficiency plays an important role in addressing this issue with sustainable solutions. Switch Off Air Pollution is a 4 year project started in 2018, with the aim to contribute in tackling the air pollution in Ulaanbaatar city through reducing coal consumption through decreasing heat loss and improving energy efficiency of the individual houses in the ger areas of Ulaanbaatar city. Geres Mongolia INGO is implementing the SOAP project in cooperation with the Building Energy Efficiency Center, Mongolian National Construction Association and People In Need INGO with the financial support of European Union, Abbe Pierre Foundation, Czech Development Agency and the French Development Agency.

Objectives

- Sustainable consumption patterns and behaviors in the individual housing sector of Mongolia are promoted through energy efficiency advisory and financial intermediation
- Emissions of CO2 and particle matters in Ulaanbaatar's ger areas are reduced through improved energy efficiency in housing, awareness raising, technical training and technical support to MSMEs and households

Achievements – Baseline study reports were released in following topics.

- **Baseline study** was conducted to understand people's knowledge and attitude on heat loss, air pollution, households' saving and spending patterns, future investment plans for houses.
- **Household Socio-Economic Analysis** study was completed to do in-depth analysis of the socio-economic situation and financial capacity of households living in detached houses of ger district in Ulaanbaatar city.
- **Qualification of existing habitat and heating sources** study was conducted to examine the existing housing patterns, common mistakes in construction process and evaluate heat loss.
- **Micro, Small and Medium-sized Enterprises** research created the database of MSME's operating in 6 districts of Ulaanbaatar city regarding their professional skills, experience, economic situation and human resource.

New branch was established at Mongolian National Construction Association to recruit, train and support MSMEs in the energy-efficient construction sector linking to green employment

Achievements:

Market Delivery Model was set up. Certified insulation materials are being delivered with qualified energy efficient insulation service to the ger area households based on their needs and preferences.

- Website www.dulaalga.mn was created to offer households with insulation related information service, calculate the cost and easy solution to access financial loan. Additional purpose of the website is to coordinate the different actors involved in the market delivery model by tracking, maintaining and registering all the steps and status of the process.
- Continuous study on the insulation market is being conducted to understand the needs of the customers better.
- The detached houses were classified for the first time in Mongolia in 4 different typologies according to the wall structure and **2 insulation package solutions are offered with the choices of 5 insulation material choices.**
- “Дулаан шийдэл төсөл” Facebook page, **+976-75052000** Call center are operational to serve as the main promotional channels to the target households.
- **Technical assessment and Quality monitoring implementation form** were developed and included in the Construction Codes and Standards on Building Envelope Thermal Insulation of Mongolia.

Expected outcomes:

- Standardized technical solutions and recommendations for energy efficient houses are defined and disseminated to construction professionals and households.
- Construction sector capacity to sell and set-up energy efficient retrofit is strengthened
- At least 400,000 people’s awareness on the importance of insulation, Energy efficient solutions and practices are raised. Implementation of insulation can be done on a step-by-step approach starting from low cost solutions to full package insulation, and the concept is understood and disseminated to the public.
- Market delivery model is improved and scaled up to involve more stakeholders and provide better coordination.
- 1,000 households have implemented some insulation actions, with an estimate to save at least 800 tons of coal and avoid emission of 3,000 tons of CO2 in Ulaanbaatar.



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switchasia
GRANTS PROGRAMME



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Implementing partners:



Associates:



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