



# LAOS PROJECT

**Grouped Projects for Laos Improved Cookstove** aim to disseminate improved cooking stoves (ICS) in Laos, contribute to Laos's climate change response and sustainable development.

Project ID: VCS 2924

Reg. date: 14-09-2023

Grouped Projects for Laos Improved Cookstove

# PROPONENT

<b>Organization name</b>	Sustainability Investment Promotion and Development Joint Stock Company (INTRACO Holdings' subsidiary)
<b>Contact person</b>	Mr. Hoang Anh Dung
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# DESCRIPTION

The project activity targets households with no previous Improved Cookstove access and often use traditional three-stoned cookstoves for cooking. The geographical boundary is in the Lao People's Democratic Republic. ICSs are distributed free of cost to users. Sustainability Investment Promotion and Development Joint Stock Company (SIPCO) financed the implementation of the project in full.

The Project activity aims to reduce wood fuel consumption and contribute to improving public health problems. It also promotes the dissemination of energy-efficient ICS, which will in turn reduce deforestation and degradation of forests in Laos through the participation of the people in adopting energy-efficient stoves. This will also contribute to improvement in the quality of life of Lao people through the reduction of drudgery, time and money spent on fuel wood collection and through the improvement of indoor air pollution. Globally, the project will contribute to sustainable development and climate change response by reducing the emission of GHG into the atmosphere.

## GHG emission reductions

The Grouped project will distribute 450,000 ICSs to households that use traditional cookstoves for cooking meals. All the project instances to be included in this grouped project will be from within Laos only. The estimate of annual average GHG emission reductions of the grouped project activity is 1,890,233 tCO<sub>2</sub>e/annum.







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# CREDITING PERIOD

**Fixed crediting period has been chosen**

**Start date of crediting period: 10/03/2023**

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**End date of crediting period: 09/03/2033**

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**Total number of years : 10 years, 00 months**







**204,118  
carbon  
credits  
have been  
issued**

**1 tCO<sub>2</sub> = 1 credit**

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# ESTIMATED GHG EMISSION REDUCTIONS OR REMOVALS

Year	Estimated GHG emission reductions or removals (tCO <sub>2</sub> e)
2023	445,113
2024	1,675,343
2025	2,316,601
2026	2,238,633
2027	2,163,168
2028	2,090,126
2029	2,019,433
2030	1,951,014
2031	1,884,799
2032	1,820,719
2033	297,384
<b>Total estimated ERs</b>	<b>18,902,333</b>
<b>Average annual ERs</b>	<b>1,890,233</b>





# TECHNOLOGY

A typical project activity instance will replace traditional firewood stoves with higher efficiency ICS that are more efficient than traditional firewood stoves as they reduce heat loss and improve heat transfer and/or combustion efficiency. The ICSs are fuel efficient, resulting in a decrease in fuel use in comparison to conventional pre-project stoves while also reducing particulate matter and carbon emissions. Design considerations have also streamlined assembly and construction to reduce cost and production times.

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These stoves deliver the same energy output as thermal energy supplied in the baseline scenario with traditional stone fire.



The Ecozen stove allows for significant savings of firewood compared to traditional stoves and is especially suitable for the cooking habits of the people in the target group. Its design ensures efficient combustion of fuel and cleaner fire and therefore uses considerably less fuel as compared to traditional stoves. This means speedy cooking, time and fuel savings, cleaner pans, kitchen walls and a cleaner indoor atmosphere.





# OWNERSHIP

The ownership of carbon credits is exclusivity with the Sustainability Investment Promotion and Development Joint Stock Company (SIPCO), SIPCO is the Coordinating and Managing Entity of the grouped project, the ownership of carbon credits shall be demonstrated through the following indicative information:

SIPCO purchases improved cookstoves (ICS) directly from the cookstove manufacturer named Viet Charcoal Production Company Limited. The cookstove purchase contract shall be signed between the two parties for each project activity (project instance) in this grouped project. Every contract will be attached with a statement or/and a beneficial agreement between the project owner (SIPCO) and the cookstove manufacturer, the statement or/and beneficial agreement is to confirm that all carbon credits right from the purchased cookstoves for the project activity shall be remained to the project owner without affected result with cookstove manufacturer.

The ownership of carbon credits also is demonstrated through a beneficial agreement between the project owner, SIPCO, and the household that gets a free distributed improved cookstove, the household shall be the end user, and the beneficial agreement shall confirm that the household shall irrevocably transfer all rights to any carbon credits that may be generated by the operation of the improved cookstove to SIPCO, and to take all reasonable steps to affect such transfer; the household irrevocably waives any rights to carbon credits in exchange for the free supply of the improved cookstove.













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# SDGs

