

## **Promoting and developing the Ban Laem Homestay Community Recycling Programme: Integration of Education and Greenhouse Gas Reduction**

The Academic Services Center of Walailak University, led by Assistant Professor Dr. Panadda Pibul in collaboration with the Waste Management and Pollution Control course, has initiated the "Promotion and Development of the Ban Laem Homestay Community Recycling Program." This project integrates principles from waste management and pollution control to support environmentally friendly activities aligned with sustainable development goals.

The primary objective of this project is to promote recycling within the Ban Laem community, focusing on reducing the volume of recyclable waste and greenhouse gas emissions. This initiative aligns with UI GreenMetric's Waste (WS) category, particularly WS1, which emphasizes the 3R (Reduce, Reuse, Recycle) approach, and Education and Research (ED) category, particularly ED4, which addresses the number of sustainability-related activities. Additionally, the project supports the Sustainable Development Goals (SDGs), specifically SDG 13, which focuses on climate action and climate change education.

The project adopts the Low Emission Support Scheme (LESS) framework to provide technical and financial support for greenhouse gas reduction activities at the community level. Walailak University plays a crucial role in supporting small-scale greenhouse gas reduction initiatives in the Ban Laem Homestay community, enhancing community awareness and participation in greenhouse gas mitigation. Moreover, the project aims to foster environmentally friendly practices and develop data for obtaining a Letter of Recognition (LOR), demonstrating successful greenhouse gas reduction efforts.

The project's implementation includes the following activities:

January 17, 2024: Walailak University, in collaboration with faculty and students from the Waste Management and Pollution Control course, conducted a survey of waste quantities and compositions at five locations within the Ban Laem community. These locations included Ban Laem Homestay, the Jamaluddin Mosque's early childhood center, the local market, and residential areas. The aim was to gather data on waste generation rates, particularly the volume and types of recyclable waste for the baseline year (<https://cas.wu.ac.th/archives/24842>).

June 5, 2024: An educational activity was organized to provide knowledge on waste management and climate change mitigation. The activities were conducted in five areas, including educational sessions for young children on recycling, door-to-door campaigns, and group discussions with community leaders and local fishermen on waste management challenges and solutions. The main goal was to raise public awareness about recycling, reduce the volume of recyclable waste in trash bins, and consequently lower greenhouse gas emissions at disposal sites (<https://cas.wu.ac.th/archives/25269>).

June 5, 2024, Ban Laem Homestay operators participated in a training session that focused on recycling practices. This included demonstrations and practical exercises on recording data for six types of recyclable waste, as well as distributing metal mesh bins for sorted waste. The data collected on recyclable waste volumes will be used to calculate greenhouse gas reductions, contributing to the waste management activities under the greenhouse gas reduction support program. This data will also be used to apply for the Letter of Recognition from the Greenhouse Gas Organization (<https://cas.wu.ac.th/archives/27807>).

Overall, the "Promotion and Development of the Ban Laem Homestay Community Recycling Program" exemplifies Walailak University's commitment to leading in education and

sustainable development. This initiative showcases the integration of educational efforts with community-level actions to promote sustainability and mitigate the impacts of climate change.