



Climate Change Mitigation

1. Project name	Development of a 20-Year Potential Climate Change Mitigation Target in Thailand's Domestic Wastewater Sector
2. AIT Lead Faculty	Prof. Thammarat Koottatep
3. Objective	Asian Institute of Technology (AIT) will develop a 20-year potential climate change mitigation plan in Thailand's domestic wastewater sector, which will contribute to WMA's national plan for reducing greenhouse gas (GHG) emissions by domestic waste and its management in Thailand. The strategy includes a baseline of the GHG emissions in the domestic Thai wastewater sector. Furthermore, it shall include clear and proposed actions for the Wastewater Management Authority (WMA) to achieve GHG emission reductions in the utilities that are under the responsibilities of WMA, including those utilities for which WMA is expected to assume responsibilities in the near future.
4. Short Descriptions	The results of the study on the potential for greenhouse gas mitigation in domestic wastewater management in Thailand. The WMA's study and the evaluation of data collected from domestic wastewater management indicated that the domestic wastewater management sector has the potential to reduce greenhouse gas emissions by up to 0.8 million tons of carbon dioxide equivalent in 2030, assuming that 92 community water treatment systems are operated efficiently across the country.
5. Output/Social Impact	These outcomes will be used in the setting of a greenhouse gas mitigation plan in Thai wastewater management in the future.
4. Partners	-
5. Donors	German Development Cooperation (GIZ)
6. Project Duration	27 November 2017 – 20 November 2018
7. Total grant amount	1,212,000 THB
8. Please specify SDG s to which this project belongs	SDG 13