IGES Major Achievement

A Calculator to Quantify Climate Impacts from the Waste Sector

IGES developed a tool now used by stakeholders at local and national levels in Asia-Pacific countries such as Cambodia, Thailand, and Malaysia, to help select climate-friendly waste management technologies to address waste crises while reducing GHG emissions.

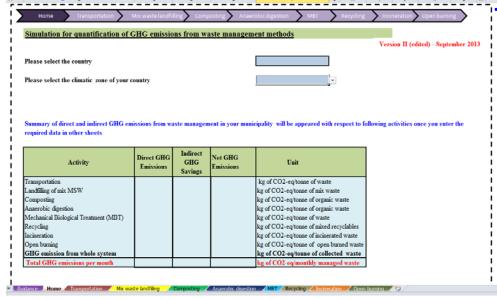
Problems

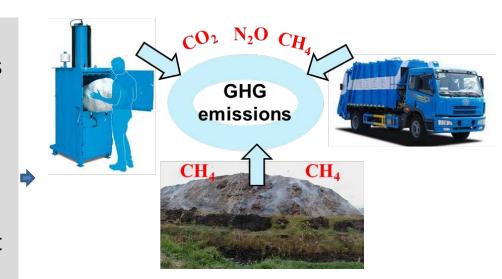
- Most Asian developing countries are suffering from waste management crises and impacts from climate change.
- Greenhouse gas (GHG) emissions from waste management are significant and can occur at every stage of waste management
- It is difficult for local waste management authorities to address the link between waste management and climate change

Seeking solutions

- Local climate-friendly waste technologies can make important contributions to climate change mitigation and addressing waste crises.
 - Local authorities need relevant information and practical support for decision making, implementation, and reporting GHG emissions.

Layout of the calculator





Role of IGES

- Developed a user friendly calculator and manual to quantify the GHG emissions considering most waste treatment options
- Applicable to municipalities in countries across the Asia-Pacific region
- Translated into local languages: Thai, Khmer
- Provided training programmes to over 50 local governments

Training programme for local governments



Impact

- The tool is being used by local and national governments, universities and NGOs to estimate GHG emissions from solid waste management and select best-suited climate friendly technologies and also to quantify national level climate impacts.
- Useful to assess potential and facilitate project development for carbon markets
- This tool will be expanded to include Short-Lived Climate Pollutants (SLCPs), linking air pollution and GHG reductions through the Climate and Clean Air Coalition (CCAC).
- Freely available at http://pub.iges.or.jp/modules/envirolib/view.php?docid=4273