

Access to the course

Access to the course is dependent on whether you follow the course as a PhD student (who will use EASETECH for academic purposes) or a consultant (who will use EASETECH for commercial purposes).

- PhD students interested in the course should write an email to adam@env.dtu.dk, and subsequently will be sent an application form
- Consultants interested in the course should write an email to adam@env.dtu.dk for registration

For more information on EASETECH and the course please see www.easetech.dk

The course covers:

- 3 days of intensive training (9-18) including materials, lunches, coffee etc.
- Electronic access to EASETECH: Each participant must bring a PC since the training course involves actual work with the model
- Electronic version of the documentation and the user's manual
- Electronic version of the scientific papers published on EASETECH and EASEWASTE
- 5 hours of support per registered user for consultants
- Updated versions of the program when new functionalities are added and errors are identified
- Access to internet homepage with additional materials and FAQs
- Membership of user-group that exchanges experiences

Fee:

Academic use: €150

Consultants: €5000

If more than one participant register from the same institution or company for the same training course, only the first registrant pay full price; the following participants pay €2500. Note that hotels are NOT included in the training course fee.

Prior to the training course, each participant must sign a user agreement regulating copyright issues and liability. There are no restrictions in the use of the model for consultants.

EASETECH has been financed by public funds, grants from the waste management sectors and means from the Technical University of Denmark (DTU) and has no commercial ambitions or profit interests.

EASETECH is owned, administrated and serviced by DTU. The fee for the training course contributes to the maintenance of the model.

Training courses

For academia and consultants

EASETECH

EASETECH – The DTU LCA-model for waste management – now available for consultants, contractors, technology developers, public authorities and academia. EASETECH is a next generation model to our former model EASEWASTE. It has the same features as EASEWASTE, but has been expanded with a large number of new functionality.

EASETECH quantifies resources and potential environmental impacts from waste management - including loads and savings. EASETECH calculates mass flows, energy utilization, residue composition, and other technical features of waste management. EASETECH provides a sound technical platform for addressing many waste management issues, e.g.;

- Environmental benefits from increased paper recycling
- Benefits from packaging recycling
- Benefits of improving standards for diesel exhaust from collection trucks
- Benefits of composting and compost utilization
- Which material fractions contribute to mercury in stack emissions from incinerators
- How does the calorific value of the waste change if waste wood is sorted out for recycling into plywood
- How much energy can be recovered by anaerobic digestion of source separated organic waste

Training course dates:

Course for academics and consultants: November 18 – 20, 2015

PhD Course: June 13 – 24th, 2016 (see detailed brochure)

Course for academics and consultants: March 7 – 9, 2016

EASETECH Course

Copenhagen, Denmark

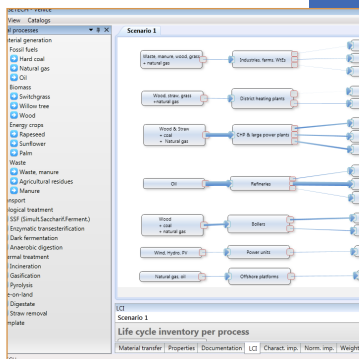
Following the success of the courses undertaken in the previous 8 years in EASEWASTE and EASETECH, DTU Environment has decided again to provide PhD, academic and consultant training course in 2015/2016 in our waste LCA model EASETECH

Waste life cycle assessment is considered as one of the most effective tools for getting a better understanding of the environmental aspects originating from the waste management sector. It provides a systematic approach to quantify and assess the environmental performance of waste management systems at various decision making levels. This tool is now increasingly used by local governments, national policy analysts, European policy makers and intergovernmental experts, such as the UNEP. Ultimately, waste LCA is used to inform the development of better environmental regulation.

Waste LCA provides consistent and standardised information (using ISO 14040) for the planning and implementation of more environmentally sustainable waste and resources management. Waste LCA includes the environmental modelling of activities and services, such as the municipal solid waste collection, recycling, biological and thermal treatment and disposal. Waste LCA can also be applied to the management of non-MSW waste.

Waste LCA is also increasingly used in developing economies, as it provides the tools for supporting decisions for the implementation of new waste management strategies.

This course introduces and applies the waste LCA model EASETECH developed at the Technical University of Denmark in collaboration with highly acknowledged waste management and LCA experts.



Course outline

- Introduction: Why waste and LCA?
- Introduction to waste management
- Introduction to LCA methodology
- Introduction to EASETECH software and documentation
- Waste generation, composition
- Source segregation and waste collection
- Transfer stations
- Material recycling facilities and recycling
- Biotreatment (composting, anaerobic digestion)
- Use-on-land / soil manufacturing
- Incineration with energy recovery
- Energy use and recovery
- Landfill technologies
- Life cycle impact assessment
- Output functions (mass flow, Sankey diagrams, LCI tables, LCIA)
- Interpretation of results
- Sensitivity analysis
- Uncertainty and transparency
- Scenario for municipality
- Garden waste case study
- Use of EASETECH for carbon footprinting
- Other LCA programs
- Implementation exercises

Lecturers

Anders Damgaard,
Senior researcher, DTU

Thomas H. Christensen,
Professor, DTU

Guest lecturers,
DTU

