

- Revision of the environmental engineering undergraduate program of Mongolian universities
- Establishment of Environmental engineering laboratories
- Accreditation and Implementation of “Environmental engineering” graduate program at the NUM
- Revision and development of new courses at undergraduate and graduate level
- Capacity building of academic staff and general public to environmental issues as well climate change



Contact person:

EU Coordinator: Andras Sapi  
email: [sapia@chem.u-szeged.hu](mailto:sapia@chem.u-szeged.hu)  
Tel: +36-62-343-795  
website: [tacmee.eu](http://tacmee.eu)

Mongolia: Enkhdul Tuuguu  
email: [enkhdul@seas.num.edu.mn](mailto:enkhdul@seas.num.edu.mn)  
Tel: +976-9008-4453  
website: [tacmee.mn](http://tacmee.mn)



619413-EPP-1-2020-1-HU-EPPKA2-CBHE-JP

TACKLING the Climate  
change through  
Modernizing  
Environmental Engineering  
program TACMEE

## Project information

“Tackling the Climate change through Modernizing Environmental Engineering program” – TACMEE is a joint project which funded by Erasmus+, European Commission.

In this project, the improvement of environmental studies as well as the focus on environmental problems and solutions in Mongolia will be aimed.

Two EU institutes (University of Szeged, Hungary – USZ and University of Oulu, Finland – UO) having great experience with BSc, MSc as well as PhD programs of Environmental Sciences and Environmental Engineering will improve BSc program of Environmental

Engineering in 3 institutes in Mongolia (School of Agroecology and Business – SAB, National University of Mongolia – NUM and German-Mongolian Institute for Resources and Technology – GMIT) as well as to form MSc level Environmental Engineering curriculum firstly at NUM.



## Courses for undergraduate program

- Environmental Engineering Technology
- Solid Waste treatment and technologies
- Water and wastewater treatment
- Air pollution Control Engineering
- Environmental chemistry and ecology
- Microsensors and controllers
- Environmental restoration
- Engineering data analysis
- Water and wastewater treatment
- Hydrology and water resources
- Climate change- carbon capture and storage
- Material recovery technology and computer aided design and engineering application

- Tailing management
- Alternative energy resources
- Sustainable development and green theory
- Rangeland management and technology
- Environmental monitoring and assessment

## Courses for master program

- Life cycle analysis
- Environmental biotechnology
- Modelling and simulation
- Environmental operation units
- Process and environmental catalysis
- Industry and environment
- Air pollution control engineering
- Materials in environmental engineering
- Micro and nanotechnologies
- Mitigation and adaptation technologies
- Waste treatment technology
- Climate change Modelling and simulation technology



University of Szeged, Hungary  
<https://u-szeged.hu/english>



UNIVERSITY  
OF OULU

University of Oulu, Finland  
<https://www oulu fi/en>



National University of Mongolia, Mongolia  
[www.num.edu.mn](http://www.num.edu.mn)



School of Agroecology and Business,  
Mongolian University of Life Sciences,  
Mongolia

<https://www.sab.edu.mn/>



GERMAN-MONGOLIAN  
INSTITUTE FOR  
RESOURCES AND TECHNOLOGY  
German-Mongolian Institute of  
Technology, Mongolia  
[www.gmit.edu.mn/eng/](http://www.gmit.edu.mn/eng/)