



Side Event I: Workshop on Policy Traction for Anaerobic Digestion

\rm **U**bjective

Anaerobic digestion is used effectively around the world to manage waste streams of all volumes. Anaerobic digestion produces large quantities of biogas, comprising methane and carbon dioxide. The cleaned methane fraction can be stored, pressurised and used to generate onsite power and heat, with surplus fed into the electricity grid, or used to power equipment and vehicles. The digestate by-product of the process can be readily and safely used as a commercial organic compost or fertiliser. While AD is commercially proven, it has not realized its full potential in many countries because of high costs, unfamiliarity with AD itself and a lack of policy traction. System designs for AD projects continue to evolve as technologies emerge and projects become more economically feasible. Today's most advanced projects use anaerobic digestion to reduce GHG emissions, supply electricity to the electrical grid, generate renewable natural gas (RNG), control water pollution through the management of nutrients, and produce valuable byproducts such as bedding for livestock, organic fertilizer, compost, chemicals and building materials. This workshop aims at providing researchers and engineers with up-to-date knowledges for carbon emission and trading in anaerobic digestion, technologies for enhancing methane production, liquid resources recovery, emerging anaerobic technologies for biogas conversion in terms of policy traction.

Invited professors and tentative titles

- 1. Professor Norbert Dichtl, TU Braunschweig, Germany, Anhanced methane production by using co-digestion and thermal hydrolysis processes
- 2. Professor John Novak, Virginia Tech, USA, Multistage Digestion
- 3. Professor Jinyue Yan, Royal Institute of Technology (KTH) and Mälardalen University (MDH), Sweden, Energy in transition: clean energy system.

Venue: College of Environmental Science & Engineering, Tongji University, 1239 Siping Road, Shanghai, China

Dates: 12th-13th October 2017

Preliminary program

12th October, registration

- Registration
- Networking

13th October, morning

- Carbon emission and trading in anaerobic digestion
- Technologies for enhancing methane production

13th October, afternoon

- Liquid resources recovery
- Emerging anaerobic technologies for biogas conversion,

The one day workshop consists of four blocks that are divided in 60min of presentation with state of art research progress in the particular field and subsequently 30 min of panel discussions for elaboration of the topics proposed.

Who should attend the course?

This workshop is oriented towards researchers and engineers that work on anaerobic digestion.

Contact Information

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