

CALL FOR APPLICANTS: Applied Energy Summer School (2018): Energy-Emission-Water Nexus at Global Cities (AEss2018: EEW)

Tsinghua University, Beijing, China, July 13-22, 2018

1. OBJECTIVES AND MISSIONS

Applied Energy Summer School (AEss), aims to build an academic, professional and persistent community for young scholars and experts by providing training courses, teamwork projects, plant tour opportunities and career development. The missions of AEss are:

- Co-location fosters collaboration, innovation and multi-disciplinary comprehension through face-to-face communication and training courses
- Collaboration leads to creative integration and system solutions to complex problems by exploring linkages among different energy system components and developing a framework of system integration
- Career development shapes the future of youth with interactive exchange with editors, entrepreneurs, product producers, decision makers and investors

After the success of the previous summer schools, AEss will continue working with CEADs (China Emission Accounts and Datasets, www.ceads.net) together to organize the event at Tsinghua University, Beijing. CEADs gathers a group of experts from the Europe, USA and China to work on China's emission accounting methods and applications. Providing accurate and most up-to-date emission data is the duty of the whole academic field for policy stakeholders and the public.

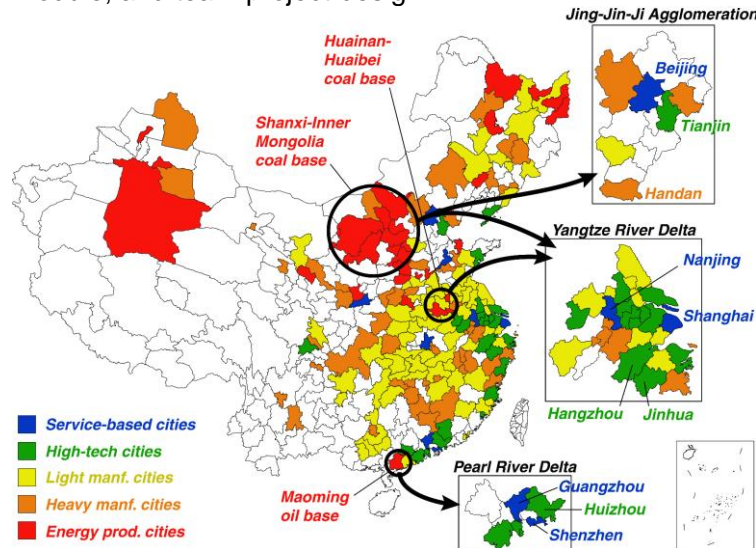
2. SCOPE AND TASKS

The scope for the AEss 2018: EEW is energy-emission-water nexus at global cities.

Cities are central to global climate change mitigation and the implementation of low-carbon development strategies. The main objective of the summer school is to understand a feasible methodology for constructing territorial CO₂ emissions inventories for generic Chinese cities. By applying this methodology, students will calculate the CO₂ emissions for cities. Together with further water data searched at city level, students are able to perform their own calculation about water-energy-emission nexus. The technology of multi-view data and visualization will also be applied during the studies.

3. PROGRAM DESIGN

The summer school will be delivered through a combination of academic lectures, career development module, and team-project-design.



4. TARGET AUDIENCE

AEss:EEW invites highly motivated international students (final year undergraduate, postgraduate and doctoral students) and young scientists to join us. We also welcome lectures for the summer school.

Experts from KTH Royal Institute of Technology, University of East Anglia, Tsinghua University, other well-known international research institutes, and the prestigious press like Elsevier and/or Nature will guide students the training courses, discussions, research and project-design.

5. CONTACT

Please, apply by e-mail sending your English CV and a representing paper. The call for applicants will be closed when the maximum number of participants reached. There is no charge for attending the summer school, although selection processes are performed. Accommodations and food during the stays are assisted by Tsinghua University with your own costs. Deadline for application: April 30, 2018
Acceptance notice: May 15, 2018
E-mail: aess2018eew@applied-energy.org

