

TECHNO-ECONOMIC ANALYSIS OF CARBON MITIGATION TECHNOLOGIES CA21127

TrANsMIT COST Action (CA 21127) International Training School on TEA for CCUS/NETs and process modelling 1 – 5 July 2024, Prague, Czech Republic



Scope and goal:

The primary goals of this training school are to equip participants, mainly MSc, PhD students and young researchers, with a comprehensive understanding of Techno-Economic Analysis for Carbon dioxide Capture, Utilisation, Transport, and Storage (CCUS) and process modelling. Through expert-led lectures, workshops, and real-world case studies, participants will learn to assess the feasibility, cost-effectiveness, and potential impacts of CCUS projects. By fostering collaboration and networking opportunities, the program aims to empower attendees to drive innovation and sustainability in addressing the urgent challenge of climate change through the deployment of CCUS technologies.

Program highlights:

- Lectures:
Our expert-led lectures cover a wide range of topics essential for mastering CCUS/DAC techno-economic analysis and process modelling.
- Workshops and case studies:
Put theory into practice through interactive workshops and real-world case studies. Work collaboratively to solve challenges related to CCUS project design, economic evaluation, and process optimization.
- Industrial engagement:
Engage with industry professionals and researchers through guest lectures and discussions. Gain valuable insights from their experiences and perspectives on the current state and future outlook of CCUS technology.

TECHNO-ECONOMIC ANALYSIS OF CARBON MITIGATION TECHNOLOGIES CA21127

- Site visits and field trips:
Enhance your learning experience with site visits to CCUS facilities and industrial sites. Get a firsthand look at the practical implementation of CCUS technologies and interact with industry experts.
- Networking opportunities:
Connect with peers, mentors, and industry professionals passionate about CCUS technology. Build your professional network and explore potential collaboration opportunities for future projects and research endeavors.

Topics:

- Techno-Economic Analysis (TEA) of CCUS
- Process modelling for CCUS Systems
- Carbon Capture Technologies
- Direct Air Capture
- Carbon Utilisation Technologies
- Storage options

Venue:

Training school will be hosted by Czech Technical University, a hub of academic excellence and innovation in Prague. Czech Technical University in Prague is one of the oldest technical universities in the world with a 316-year tradition of outstanding achievements and academic reputation. According to the QS ranking, it belongs among the top 500 universities in the world. It is the top technical university in the CEE region.

Application procedure: [Summerschool Call 2024.pdf](#)

Application deadline: May 15th 2024

Contact information:

Local Organizer	Grant Awarding Coordinator	Action Chair	Action Vice-Chair
Monika Vitvarova monika.vitvarova@vscht.cz	Dr Daria Katla-Milewska daria.katla@polsl.pl	Prof. Anna Skorek-Osikowska anna.skorek@polsl.pl	Dr Mijndert van der Spek m.van_der_spek@hw.ac.uk