



Carbon capture, use and storage

30th Session of the Committee on Sustainable Energy

23 September 2021, 16h30 – 18h00 CEST (Geneva time)

Objective: to raise awareness about the importance of carbon capture, use and storage (CCUS) technologies and to call for action

Context: This session will explore the importance of action on CCUS for attainment of the objectives of the Paris Agreement in a context of delivering on the 2030 Agenda for Sustainable Development. UNECE has an ongoing programme on carbon neutrality that currently is exploring alternative approaches to achieving carbon neutrality in the electricity and energy intensive industry sectors. CCUS is one of the technologies that has been explored closely and the results of that work will be featured. CCUS has an essential role to play as well in addressing embedded carbon, for example, in steel, concrete, and transport. The session will explore the broad policy and business model frameworks for CCUS, with connections to the earlier discussions on CO₂ pricing from a morning session and will provide specific examples of how CCUS can be enabled in market conditions. The outcomes of the session are expected to be improved understanding among member States of the opportunities presented by CCS and the barriers faced in its deployment. The session is expected to lead to a call for action by member States to deploy CCUS at scale and for UNECE to extend its analysis of CCUS applications to sectors beyond power generation and energy-intensive industries.

16h30 Setting the scene – UNECE taking action on CCUS

Ms. Olga Algayerova, UNECE Executive Secretary

16h40 Keynote Speech

Dr. Jennifer Wilcox, Principal Deputy Assistant Secretary for Office of Fossil Energy & Carbon Management

17h00 Panel discussion

- What is the space and status of CCUS development in the UNECE countries?
- Which technologies and business models are emerging?
- What works and where are identified barriers?
- What are possible solutions and lessons learned?
- How can UNECE help?

Moderator: Jarad Daniels, UNECE Vice-Chair Committee on Sustainable Energy

Panellists

Ms. Samantha McCullough, Head of Carbon Capture Utilisation and Storage Unit, IEA

Mr. Roger Aines, Lawrence Livermore National Laboratory

Mr. Sergey Katyshev, Vice-chair Group of Experts on Cleaner Electricity Systems, Kazakhstan (tbc)

Ms. Bryony Livesey, Industrial Decarbonisation Challenge (IDC) Lead, United Kingdom