

WEBINAR

Can CCS/CCU contribute substantially to reach “net zero”?

Current Situation and Ongoing Projects on Carbon Capture and Storage (CCS) and Carbon Capture and Use (CCU) in Germany and Japan

Organized by:



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Date: 26th January 2022

Time: 8:30 – 10:00 CET / 16:30 – 18:00 JST

Platform: ZOOM

Language: English

Background & Content

As many other countries, Japan as well as the EU and Germany have committed to decarbonize their economies and reach “net zero” GHG emissions by 2050 the latest and 2045 respectively. While the goal is clear, the pathway towards net zero is yet to be defined. The need for the use of carbon capture and storage and use (CCS/ CCU) in order to deal with remaining CO₂ emissions is controversially discussed. The IPCC assumes that remaining CO₂ emissions cannot be absorbed by natural sinks (forests, peatlands, etc.) only and that especially in the second half of this century, CCS/CCU technologies and other Negative Emission Technologies (NET) will have to be used to a greater or lesser extent.

The webinar on January 26th, 2022 will provide general information on the economic aspects, utilization potentials, GHG mitigation contribution, and environmental risks of CCS & CCU as well as highlight the specific political strategies, regulatory environment and ongoing projects in Germany and Japan.

Program

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| 8:30 CET / 16:30 JST | Welcome by the Moderator (<i>Johanna Schilling, ECOS</i>)

Greeting address

<i>Dr. Vera Rodenhoff, Head Of Division, International Cooperation on Environment, Energy and Cities Cooperation with OECD, German Federal Ministry for the Environment, Nature Conservation, Nuclear Safety and Consumer Protection (BMUV)</i> |
| 8:35 CET / 16:35 JST | Introduction: Economic aspects, utilization potentials, GHG mitigation contribution, and environmental risks of CCS & CCU

<i>Dr. Martin Cames, Head of Energy & Climate Division (Berlin), Oeko-Institut</i> |
| 8:45 CET / 16:45 JST | Overview of political and regulatory Status Quo of CC(U)S in Germany and the EU

<i>Dr. Laura von Vitorelli, Researcher, Environmental Law & Governance, Oeko-Institut</i> |
| 8:55 CET / 16:55 JST | Overview of political, technical and regulatory Status Quo of CC(U)S in Japan

<i>Kazuki Fukui, Deputy Director, Climate Change Projects Office, Global Environment Bureau, Ministry of the Environment, Japan (MOEJ)</i> |

9:15 CET / 17:15 JST Panel discussion: How and to what extent can CCS and CCU contribute to reach “net zero” globally?

Chair: Elias Spiekermann, German Federal Ministry for the Environment, Nature Conservation, Nuclear Safety and Consumer Protection (BMUV)

Participants:

Dr. Martin Cames, Head of Energy & Climate Division (Berlin), Oeko-Institut

Kazuki Fukui, Deputy Director, Climate Change Projects Office, Global Environment Bureau, Ministry of the Environment, Japan (MOEJ)

Joerg Rueger, Division IK III 1, Federal Ministry for Environment, Nature Conservation, Nuclear Safety and Consumer Protection (BMUV)

9:40 CET / 17:40 JST Q&A with the Audience

10:00 CET / 18:00 JST End