

GJETC Outreach

Steps towards Carbon Neutrality:

German-Japanese study results on digitalization of grids, CCUS, hydrogen, and energy and climate policy in the post COVID-19 era



Online Event on July 02, 2021

09:00-10:30 CEST / 16:00 – 17:30 JST

Background

The COVID-19 pandemic reminded the world community that global threats must be dealt with on a global level, rendering international cooperation indispensable. This holds especially true for the ongoing climate crisis threatening the lives of future generations. To meet the targets proclaimed in the Paris Agreement, joint efforts fostering energy transitions and other climate policies worldwide are needed.

Considering the commitment of both Japan and Germany to reach carbon neutrality until 2050, urgent measures to realize intermediate ambitious goals up to 2030 and 2040 are necessary. The recovery programs from Covid-19 can bring a decisive push towards the CO₂ reduction targets. Against this background, the German-Japanese dialogue on energy transition plays a particular significant role.

Since its foundation in 2016, the German-Japanese Energy Transition Council (GJETC) has been working on strategic and systemic analysis to develop policy advice for new and long-term perspectives on the way to an ambitious energy transition.

The outreach event will present three recent studies that deal with key questions for the energy transition in both countries: How can Artificial Intelligence (AI) and big data be utilized to optimize power grid operation? To what extent can Carbon Capture, Use and Storage (CCUS) and Hydrogen contribute to the decarbonization of energy-intensive industries? And which impact of COVID-19 can be observed on energy consumption, social behaviour and climate policy? From these studies, the GJETC has also derived recommendations for policymakers in Germany and Japan.

Also new study topics for the 3rd phase of the GJETC will be presented. Amongst others, the Council will give an update on Germany's / Japan's climate strategy and its implications and discuss possible pathways and solutions for carbon neutrality in both countries.

The online event will be held in English language via Zoom.

Registration:

<https://www.ecos.eu/en/project-management/gjetc-outreach-2021/articles/gjetc-outreach-2021.html>

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Program

9:00 Welcome by the GJETC Co-chairs

9:10 Presentation of results from the studies conducted in 2020/2021

1. Digitalization and the Energy Transition: Use of digitalization to optimize grid operation utilizing AI and Big Data collected from DERs

Stefan Thomas (WI)

2. CCUS and Hydrogen contributing to decarbonization of energy-intensive industries

Sichao Kan (IEEJ)

3. Energy and climate policy in the post COVID-19 era: Comparative analyses on Germany and Japan

Ichiro Kutani (IEEJ) and Peter Hennicke (WI)

09:40 Q&A

10:00 Update of German / Japanese climate strategy and its implications

Prof. Peter Hennicke and Prof. Masakazu Toyoda

Co-Chairs of the GJETC

10:10 Q&A

10:25 Closing remarks

10:30 End