

Energy Demand changes Induced by Technological and Social innovations (EDITS) COP26 – RITE-IIASA event

Japan Pavilion

November 11th, 2021 at 13:00-14:30 (GMT/Glasgow)
22:00-23:30 (JST/Tokyo) / 14:00-15:30 (CET/Vienna)

Agenda

Satisfying people's needs for shelter, mobility, consumer goods, and essential services is the reason why society requires materials and energy. Innovations in providing these services can deeply reduce the demand for energy and enable a demand-driven transition to net-zero societies. The Energy Demand changes Induced by Technological and Social innovations (EDITS) network studies and promotes demand-driven energy system change, at global and granular levels.

The EDITS network explores the critical determinants of feasibility of such transition, its timing, costs, and their SDG synergies and tradeoffs. The EDITS community collaborates based on common interest in the demand side transition, transfers methodological knowledge, and explores modeling innovations across demand-side models.

The event presents the frontiers in energy and material demand knowledge, the role of digitalization, innovation and equity efforts in a deep social, economic and technological transformation of energy demand. We present recent work from the EDITS network, and explore how a demand-side transition can contribute to rapid and successful climate change mitigation towards a 1.5°C pathway.

Program

Moderator: Keywan Riahi, International Institute for Applied Systems Analysis (IIASA), Austria

- 13:00-13:05** **Opening remarks** - Yukihiro Kawaguchi, Global Environmental Measures Office, Industrial Technology and Environment Bureau, Ministry of Economy, Trade and Industry, Japan
- 13:05-13:15** **Background of the Energy Demand changes Induced by Technological and Social innovations (EDITS) network** - Keigo Akimoto, Research Institute of Innovative Technology for the Earth (RITE), Japan
- 13:15-13:30** **Introduction to low energy demand transformations** - Arnulf Grübler, International Institute for Applied Systems Analysis (IIASA), Austria
- 13:30-13:40** **Digitalization: the lever of transformation** - Charlie Wilson, University of East Anglia (UEA), Tyndall Centre for Climate Change Research, the UK
- 13:40-13:50** **The equity perspective of low energy demand futures: decent living standards for all** - Shonali Pachauri, International Institute for Applied Systems Analysis (IIASA), Austria
- 13:50-14:00** **Innovation for socio-technological-economic transformation** - Greg Nemet, University of Wisconsin-Madison, La Follette School of Public Affairs, Wisconsin Energy Institute, USA
- 14:00-14:30** **Panel discussion with speakers: the required behavioral and social changes and their feasibility** – moderated by Joyashree Roy, Asian Institute of Technology (AIT), Thailand

Connection information

- **Registration** is possible at https://zoom.us/webinar/register/WN_5najkqvVQQCV-AbCDa3lw. This will give access to the Q&A session.
- **Live streaming:** It is also possible to follow the event without registration at <https://www.youtube.com/channel/UCgi2ONlz1XMpxT9tdMGKcnw>.

The archived recording of the event will be made available on the website of the Ministry of the Environment Government of Japan.

More information at:

- <http://copjapan.env.go.jp/cop/cop26/en/index.html>
- <https://www.rite.or.jp/system/en/events/2021/10/cop26.html>
- https://iiasa.ac.at/web/ece/211111_EDITS_COP26.html