

JIRCAS-CCFS Society Workshop

Effects of Climate Change and the Spread of COVID-19 on Food Supply and Demand

- Food Security under Uncertainty -

The global average air temperature increased by about 1.2°C since the Industrial Revolution in the mid-18th century. Such a surge in the air temperature could lead to more frequent extreme weather events and will have profound effects on food and nutrition security. We would like to share the results of our team's findings with audiences who are interested in the effects of climate change on the agricultural sector focusing on the cost of adaptation to climate change and the impacts of climate change on agricultural markets. Furthermore, we will give a report on the effects of the spread of COVID-19, which has been a major issue since last year, on future food supply.

Date

2021

Dec. 17
Friday

11:30-16:15
(Reception from 11:00)

Online



Capacity 500 participants

No
fee

Program

11:30 Opening Remarks

Food supply and demand analysis - past, current, and future, **Osamu Koyama** (JIRCAS)

11:55 Keynote Speech

Impact of COVID-19 on food security and nutrition in Asia
David Dawe (FAO Regional Office for Asia and Pacific)

David Dawe is a senior economist and strategy and policy advisor at the Regional Office for Asia and the Pacific of the Food and Agriculture Organization (FAO) in Thailand. He worked previously for the Harvard Institute for International Development and the International Rice Research Institute, and has spent most of this professional career working on food policy in Asia. He has published books and research articles in the areas of trade and markets, domestic price policy, production and natural resources (fertilizer and water management, climate) and nutrition. He was formerly an editor of the journal Global Food Security.



Session 1: Adaptation to Climate Change (Chairman: Jun Furuya)

12:30 Climate change adaptation cost to global production, **Toshichika Iizumi** (NARO)

12:55 Timeseries econometrics for climate change research, **Tomoaki Nakatani** (The University of Tokyo)

13:20 Decomposition of stable food availability, **Daisuke Sawauchi** (Hokkaido University)

13:40 Break

Session 2: Effects of COVID-19 and Climate Change (Chairman: Tomoaki Nakatani)

13:55 The scope of global food projection models in the food security concept shifting emphasis on nutrition, **Eiichi Kusano** (JIRCAS)

14:20 Effects of COVID-19 on supply of food and nutrition in the world, **Jun Furuya** (JIRCAS)

14:45 Effects of climate change on global indica and japonica rice markets, **Gen Furuhashi** (PRI-MAFF)
Tatsuji Koizumi (OECD)

15:05 Break

15:20 Session 3: Panel discussion (Chairman: Miyuki Iiyama)

Effects and countermeasures against climate change and the spread of COVID-19 on food and nutrition supply, All speakers

16:05 Closing remarks

Toshihiro Hasegawa (NARO)

Apply here

<https://www.jircas.go.jp/en/workshop/2021/e20211217/entry>

Contact

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Hosts: **JIRCAS** CCFS Society
国際農研

Co-host: **NARO**
National Agriculture and Food Research Organization