

EcoBalance 2024 Pre-Event Workshop

Theme: Food Systems In the Era of Climate Change

Location: Sendai International Center (Aobayama, Aoba-ku, Sendai 980-0856), Conference Building 2F, Tachibana Conference Hall (<https://www.aobayama.jp/english/access/>)

Date and time: November 3, 2024 | 13:00-16:40

Participation fee: Free (prior reservation is necessary)

Registration: https://docs.google.com/forms/d/e/1FAIpQLScUg-5l5sM5rh1_XBte_eq0WzE8iopSSzICargw5aydoj2TZQ/viewform?usp=sf_link

Language: English (no interpretation service will be provided on this workshop)

Background

Climate change has adversely impacted various ecosystems from terrestrial, inland water, coastal, and ocean biomes. It intensifies the frequency and severity of extreme weather, natural disasters, and ecological anomalies. Meanwhile, unsustainable farming and forestry practices, i.e., intensive use of fertilizer, pesticide, freshwater, and energy, underuse of resources, and overfishing, have depleted the altered resources and polluted the environment, exacerbating the existing environmental problems and, consequentially, lowering agricultural production and biodiversity. Various adjustments are indispensable in the food supply chain stages, from farm/sea to the table. These include shifting to organic farming, reforming the food market system, communications (including labelling and geographical indications), educating consumers, balancing and diversifying diets, switching from animal-based to plant-based food consumption, etc. This workshop will provide a space for learning and exchanging ideas on recent topics in the food system and further identifying shared interests that can extend collaboration.

[Moderator: Oscar Tiku, Tohoku University, Japan]

(This event is partly supported by the JST COI-NEXT Grant Number JPMJPF2110)

Program

13:00-13:10 Greetings and opening remarks

13:10-13:30 Session 1: Life cycle assessment on livestock and dairy industry

Andre Mazzetto, AgResearch, New Zealand

13:30-13:50 Session 2: Sustainability of food cyber-physical systems

Sergiy M. Smetana, DIL Deutsches Institut für Lebensmitteltechnik e.V., Germany

- 13:50-14:10 Session 3: Marine ecosystem change
Toyonobu Fujii, Tohoku University, Japan
- 14:10-14:30 Session 4: Valorization of unused herbivorous fishes to protect seaweed beds
Shoki Kosai, Ritsumeikan University, Japan
- 14:30-14:45 Break
- 14:45-15:45 Comprehensive discussion
- 15:45-16:30 Poster session
- 16:30-16:40 Closing remarks