

Chugoku-Shikoku Chapter of the Society of Agricultural Meteorology of Japan

Symposium: Frontiers in Dryland Science

Event details

1. Objective

Dryland covers more than 40% of the land surface except the Antarctic continent and is the home of about 3 billion people (IPCC, 2019). Drylands are fragile ecosystems that can suffer from desertification due to anthropogenic and climatic factors. Therefore, appropriate and sustainable land management is required to avoid desertification. Arid Land Research Center of Tottori University has been engaging in dryland science all over the world to understand the importance of dryland and to contribute to realizing a sustainable society. Part of the research will be introduced in this symposium.

Reference: IPCC (2019) Climate Change and Land: an IPCC special report on climate change, desertification, land degradation, sustainable land management, food security, and greenhouse gas fluxes in terrestrial ecosystems.

2. Date and time

28 November (Thu) 15:10~17:15

3. Place

1390 Hamasaka, Tottori, 680-0001

Arid Land Research Center, Tottori University

Multi-purpose room (International Collaborative Research building 1F)

4. Content

15:10~17:15 (Moderator: Mitsuru Tsubo)

15:10~15:15 Opening remarks Mitsuru Tsubo (Vice director of Arid Land Research Center, Tottori University)

(1) Recent global distribution of aridity index and land use in arid regions

Reiji Kimura (Arid Land Research Center, Tottori University)

(2) Envisioning the sustainability of rangelands and pastoralism in the Eurasian drylands

Banzragch Nandintsetseg (International Platform for Dryland Research and Education, Tottori University)

(3) Influence of warming on the productivity of a semi-arid grassland ecosystem

Munemasa Teramoto (Arid Land Research Center, Tottori University)

(4) Dust emission conditions elucidated by observations in the Gobi Desert and their application to models

Yasunori Kurosaki (Arid Land Research Center, Tottori University)

17:15 Closing

5. Contact

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