

Special seminar on The IDEC Institute #16

The PHIS Special Seminar #7

Date: 2023/03/10(Fri) 14:00-15:30

Place: Hiroshima University, The IDEC Building, room# 204

Online: [Click here to join the meeting!](#) (MS-Teams)

Title: International collaboration research on climate change and human health



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Abstract

Global warming is widely considered the biggest threat in the 21st century. Current and projected changes in climate have been linked to increased health risks through various pathways, including direct exposure to extreme weather conditions.

Epidemiological evidence has been provided by investigations performed in single locations or countries. However, this framework has significant limitations for the assessment of health effects related to climate change.

The Multi-Country Multi-City (MCC) Collaborative Research Network is an international collaboration working on a global program of research aiming to produce epidemiological evidence on associations between environmental stressors and health (<http://mccstudy.lshtm.ac.uk/>). The analyses are based on advanced two-stage design, with the application of a first-stage time-series regression to estimate location-specific associations and a second-stage meta-analysis to pool information across locations.

The MCC Network has provided an exceptional contribution to research to understand the health impacts of climate change. The multi-centre collaborative framework, based on mutual contribution and data sharing, will be hopefully reproduced and extended more broadly for addressing other climate change-related issues, and for extending the research capability in this area.



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