

Workshop on Disasters due to Premonsoon Severe Local Storms (SLSSs) over the Northeastern Indian Subcontinent (NEIS)

Date: 23 May 2025

Venue: DPRI Kyoto University

Time: 10:00 – 16:30

Organized by:

- ✧ DPRI, Kyoto University
- ✧ C4R, Cotton University
- ✧ ICEDS, Kagawa University
- ✧ ccARG, IECMS, Kagawa University

Sponsored by:

- ✧ DPRI, Kyoto University
- ✧ Core-to-Core Project, JSPS
- ✧ ISEE, Nagoya University
- ✧ International Collaboration Research, Kajima Foundation



Introduction:

Premonsoon rainfall in Northeastern (NE) Indian subcontinent (NEIS) is now emerging as new hotspot of Asian monsoon research of climate change impact. Devastating tornadoes, floods and lightning activities due to extreme Severe Local Storms (SLSSs) are increasing in recent decade showing a possible signal of extreme premonsoon climate in the near future. Further, recent climate change science elucidated the unique strong land-atmosphere coupling in premonsoon system over the NE India can be a key factor to induce significant uncertainties in future climate change projection.

In this workshop, we would like to advance our understanding of premonsoon SLSSs for mitigation of disasters under the upcoming climate change over this region.

Our primary topics of the workshop will be:

- Historical database for premonsoon hazards over NEIS
- Developments of modelling strategies for the premonsoon SLSSs over NEIS
- Innovative understanding of the concept of “premonsoon”
- Future projection of premonsoon SLSSs over NEIS under the climate change
- Analysis of passed premonsoon SLSSs over NEIS
- Future plans for observational field campaign for premonsoon SLSSs over NEIS
- Strategies for enhancement of preparedness for premonsoon hazards over NEIS

We look forward to your active participation and contribution to this workshop.

Call for Papers:

We will open the call for papers by 30 April at:

<https://forms.office.com/r/96GEAfhJFm>

Contact information:

For further details, please contact:

Toru Terao

International Consortium for Earth and Development Sciences (ICEDS)

Kagawa University

Email: terao.toru@kagawa-u.ac.jp