

ATTENDING BACO-25

Name : OCTARINA Dea Tania

Affiliation : Graduate School of Environmental Studies

Laboratory of Cloud and Precipitation Science (Grade D3)

Duration of the stay : 2025/07/19~07/26

Name & country of the workshop : The Busan

IAMAS-IACS-IAPSO Joint Assembly 2025

The Busan IAMAS-IACS-IAPSO Joint Assembly 2025 was held from July 20 to 26, 2025. The international conference, hosted by the three associations with a range of scopes, encompasses atmospheric, oceanic, and cryospheric sciences.

The one-week event started off with the Earth Film Festival showing a documentary movie, "THE HERE NOW PROJECT", which brought the concern of climate change through several cases of extreme weather around the world. From Monday to Friday, the research talks were highly varied, and I was able to learn about a range of interesting topics related to my research interests, including atmospheric radiation, Earth's energy budget, monsoon systems, tropical meteorology, remote sensing of clouds, weather and climate extremes, and tropical-polar interactions. Moreover, I had the opportunity to meet and discuss with various researchers, as well as some of my former colleagues.

I had the opportunity to give a presentation on Tuesday, July 22, 2025. My talk was part of the "Dynamics and Microphysics of Moist Convection" session. I talked about tropical cloud classification using cluster analysis, which is a part of my doctoral research. I explained how we can classify cloud information from satellite measurements with high vertical resolution using K-means clustering. I elaborated on the technical challenges during the clustering process and our results of cloud classification. I received three questions from the audience regarding cloud measurement using satellites, details about cluster analysis, and the potential applications of the method.



Picture 1. Presentation

I am grateful for the full support given by the CICR and the ISEE Education Committee to enable me to attend this conference. It is a truly valuable opportunity for a doctoral student like myself. Presenting my work and interactions with researchers and fellow students has inspired me to develop my research and work even harder to move forward.

Acknowledgement.

I am genuinely grateful for the donation given by the bereaved family of Professor Emeritus (former Director) Yosuke Kamide to support my travel to attend this international conference.

<Supervisor's name>

Hirohiko Masunaga