

PRESS RELEASE

Contact: Meng-Shih Chen (Ms.)
Deputy Director
Marine Meteorology and Climate Division
Central Weather Administration
0928230081

"2025 Asia-Pacific Climate Services Workshop" Held from June 11-13! Early Warning for All—Climate Services and AI Applications

Gathering over 20 meteorology and AI experts from 8 countries across Europe, North America, and East Asia, the **2025 Asia-Pacific Climate Services Workshop (2025 APCSW)** opened today (June 11) at the International Conference Hall of the Central Weather Administration (CWA) and will run through June 13. The workshop's theme is **"Early Warning for All—Climate Services and AI Applications,"** aligning closely with the United Nations' global initiative of **"Early Warnings for All."** Participants are exchanging innovative climate service technologies, focusing on how AI can enhance meteorological data efficiency and improve disaster response capabilities to tackle the increasing threats posed by extreme weather events.

In his opening remarks, CWA **Administrator Kuo-Chen Lu** highlighted that since the AI boom in 2023, the CWA has been actively incorporating AI technologies. During Typhoon Koinu last year, the CWA successfully employed AI models to predict the typhoon's trajectory five days in advance. Three days prior to its impact, a heavy rainfall disaster warning was issued, enabling local governments in high-risk areas to initiate large-scale evacuations. This facilitated effective early warning actions before the typhoon's arrival. Additionally, the CWA is collaborating with NVIDIA and the academic research community to jointly develop AI models tailored for Taiwan, aiming to enhance the effectiveness of meteorological services and early warning systems. The CWA is responsible for scientific data and discourse. In the future, it will continue to deepen technological research, development, and applications, promote interdisciplinary exchanges and collaborations, and ensure that climate services—through the widespread and accurate dissemination of meteorological information and nationwide early warning mechanisms—safeguard the safety of every citizen.

Keynote speakers on the first day included **Vice Minister Chien-Hsin Lai** of the Ministry of Economic Affairs, who discussed policy applications of real-time meteorological data in managing flood and drought, and **Professor Eiichi Nakakita** from Kyoto University, who shared Japan's experiences with advanced detection techniques of "Baby-rain-cell" thunderstorms and urban flooding risk prediction. The workshop also features **Stan Posey** from **NVIDIA**, presenting **AI-driven Digital**

Twins technology for the Earth systems, and **Professor Bently**, President of the **European Meteorological Society (EMS)**, highlighting climate services and AI integration strategies in the UK and EU.

The workshop aims to deepen the understanding and consensus of all sectors on the concept of **early warning for all**, promote collaboration between domestic and international public and private sectors, and advance talent development and technological exchange. The initiative seeks to establish an advanced and practical climate service framework, ultimately strengthening Taiwan's resilience to natural disasters.