

NCDR has Worked Together with Asia and Pacific Countries, to Build a Regional Disaster Resilience Network and Strengthen the Database for Disaster Risk Reduction

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Since 2019, NCDR has promoted the Smart Disaster Science and Technology System in the Southeast Asia, South Asia and Pacific islands. This project aims at “Assistance to New Southbound Countries by Smart Disaster Risk Management”, which is a program under the National Science and Technology Council. The goals of the project are facilitating close collaboration with the Southeast Asia countries through sharing technology, products, knowledge and systems for disaster risk reduction (DRR). This project has focused on the following items: 1) To study connecting P-alert stations as an earthquake monitoring network for providing near-real-time shake map and also early earthquake warnings; 2) To explore feasibility for delivering a GIS-based information system for emergency preparedness; 3) To promote advised devices, seismic design codes and construction methods.

NCDR's collaborative footprint extends across seven countries, including Nepal, Bhutan, the Philippines, Vietnam, Palau, Indonesia, and Thailand, embodying a shared commitment to fortifying disaster resilience and fostering regional solidarity.

In February of 2024, NCDR, Indonesian Agency for Meteorology, Climatology and Geophysics, (BMKG), and the State College of Meteorology, Climatology, and Geophysics (STMKG) co-hosted the International Workshop on "Smart Disaster Sensor Network" in Jakarta. Director Hongey Chen led NCDR's delegation, delivering a series of insightful addresses that underscored the imperative of forging synergistic alliances in the realms of emergency response and scientific inquiry, laying the groundwork for future collaboration.





Figure 1 NCDR Director Hongey Chen delivered Opening Remarks in the International Workshop on "Smart Disaster Sensor Network" in Jakarta

Based on the MoU between NCDR and the Asian Institute of Technology for disaster research corporation, in March of 2024, NCDR delegation visited the Asian Institute of Technology (AIT) which based in Bangkok. NCDR also visited Chiang Rai where the smart disaster sensors are installed. Director Hongey Chen, with a great gratitude for AIT's working in orchestrating the system arrangement, underscoring the seamless communication and cooperation that underscored this important partnership.



Figure 2 NCDR Director Hongey Chen (left) checked the smart disaster sensors in Chiang Rai



Figure 3 NCDR and AIT establish close collaboration in disaster risk reduction

Through the dedicated promotion of this project, NCDR aspires to cultivate a meaningful regional network for disaster risk reduction and the establishment of a comprehensive disaster database. The overarching goal is to significantly augment disaster information, thereby empowering stakeholders with invaluable insights to navigate and mitigate the challenges posed by nature disasters.

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- <https://www.ncdr.nat.gov.tw/Message?itemid=76&mid=93>