DOST-PAGASA S&T Media Service
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DOST-PAGASA, South Korea's DI Lab Inc., and Skymap Global Philippines Sign Agreement for AI Project CLAIRE

Quezon City, Philippines - The Department of Science and Technology–Philippine Atmospheric, Geophysical and Astronomical Services Administration (DOST-PAGASA), DI Lab Inc. of South Korea, and Skymap Global Philippines are set to formalize a partnership through the ceremonial signing of a Memorandum of Agreement (MOA) for the undertaking titled "Project CLAIRE: Climate AI for Resilience and Early Warning" on 28 October 2026.

Currently being implemented with support from the Korea International Cooperation Agency (KOICA) under its Creative Technology Solution (CTS) program, the agreement marks an important step toward strengthening collaboration in climate resilience, weather-related risk management, and early warning systems through the application of artificial intelligence (AI) and advanced climate technologies. Project CLAIRE aims to localize, and evaluate AI-powered weather monitoring and forecasting technologies to support more timely, accessible, and actionable weather and climate information in the Philippines. By integrating emerging AI technologies with established meteorological expertise and observational data, the initiative seeks to complement existing forecasting capabilities and support improved weather-related risk management.

As the Philippines remains highly exposed to tropical cyclones, heavy rainfall, flooding, and other weather and climate-related hazards, strengthening early warning capabilities and translating scientific information into actionable information are essential to protecting lives, livelihoods, and communities. AI can help analyze weather data more quickly and identify potential weather risks earlier, giving authorities and communities more time to prepare and respond. This means efficient disaster preparedness, risk-informed decision-making, and community resilience.

Through this agreement, DOST-PAGASA, DI Lab Inc., and Skymap Global Philippines aim to build a stronger partnership that brings emerging technologies from South Korea to support advancements in weather forecasting and meteorological services in the Philippines. DI Lab will contribute its expertise in AI-based weather technologies, working closely with PAGASA to explore how these solutions can be adapted to local needs. As the local partner, Skymap Global Philippines will play an important supporting role by helping both organizations communicate, understand each other's needs, and work effectively together. This collaboration also aims to strengthen public-private partnerships by bringing together government expertise, international technology, and local industry knowledge.

The ceremonial signing will also provide an opportunity for the said organizations to reaffirm their shared commitment to scientific and technological cooperation, innovation, and the development of solutions that respond to the growing challenges posed by climate change and extreme weather events.

The CLAIRE Project reflects the importance of partnerships among government science agencies, private-sector partners, international organizations, and other stakeholders in

advancing climate resilience. By bringing together scientific expertise and technological innovation, the initiative aims to help strengthen the foundations for more responsive, data-informed, and forward-looking early warning systems.

The ongoing KOICA CTS-supported activities have already brought the partners together through technical seminars and knowledge-sharing activities. The MOA builds on this progress, paving the way for closer cooperation, continued learning, and future development of AI-based weather solutions for the Philippines.

Further details on the project's implementation, technical components, and expected outputs will be guided by the terms of the MOA and subsequent agreements among the participating organizations.

The ceremonial signing on 28 October 2026 is expected to mark a milestone in advancing collaborative efforts to harness climate science and artificial intelligence in support of a safer, more prepared, and climate-resilient Philippines.

For further information about the CLAIRE Project, interested parties may contact Engr. Maria Cristina C. Uson, Assistant Weather Services Chief of the Numerical Modeling Section of DOST-PAGASA at Tel No. (+632) 82870800 local 4940 and email mcuson@pagasa.dost.gov.ph

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