

## **Water Resource Data GRID of Thailand**

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Hydro and Agro Informatics Institute (HAI) has developed Thailand's hydro-information data warehouse for water resource management. The data warehouse accommodates the statistical data, policies, and incident records sourced from the Royal Irrigation Department and Meteorological Department; as well as other related information including weather data such as the tropical typhoon data from the University of Hawaii, satellite images from GOES9, rainfall maps from the Naval Research Laboratory (NRL), and the real-time data collected from more than 300 telemetering weather stations, developed and installed by HAI, throughout Thailand. The climate change information from European Union (EU) will also be added to form the Data Grid. The Data Server system, where the Data Grid will be housed, can store 8 Terabytes of data and can be expanded to 20 Terabytes. The current usage on the system is approximately 300 Gigabytes. HAI's Data Grid promotes the collaboration and information sharing in a wider aspect, forming a Data Grid System valuable for further research on meteorological and water resource management, including emergency warning, in Thailand.