

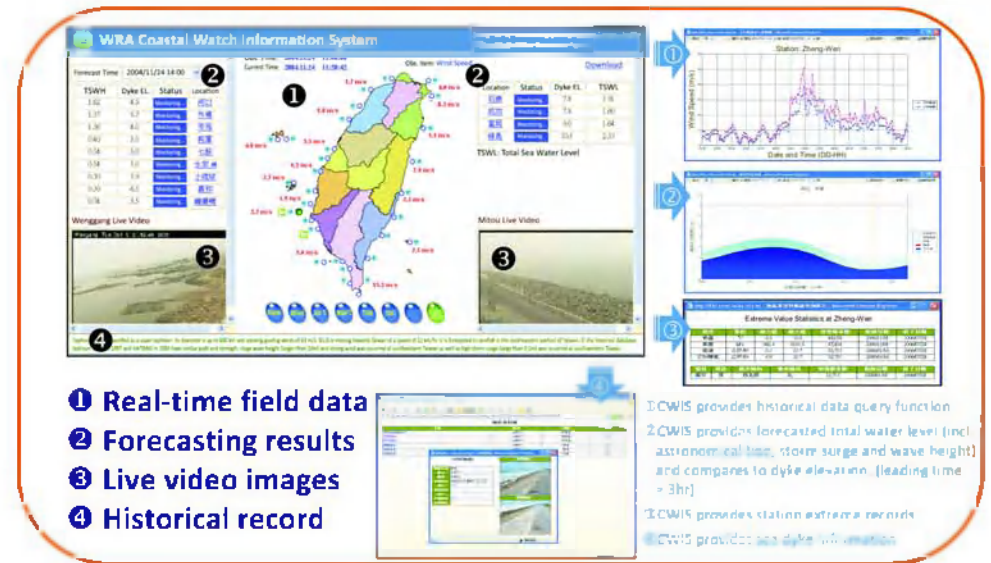
Information System for the Early Warning of Coastal Flooding

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To monitor and forecast sea states for mitigation of coastal disasters, an integrated marine information system was developed entitled Coastal Watch information System (CWIS). Real-time monitoring of sea states, operational numerical models, field video images as well as historical events are integrated into a web-base interface. The purpose of this study is to report the integration technologies of such an operational system, such as optimal setting of numerical models. This system has been used for years. It provides decision markers to understand coast situation. This system is also studied under the THESEUS project.



A monitoring network comprised by Data Buoy, Tide Gauge, Coastal Weather Station and Field Camera Stations was developed around Taiwan Waters since 1997.



The in-situ tide stations within information system also detect the influences of Tsunami around Taiwan after Japanese earthquake (Mar. 11, 2011).

