



Smart JAMP(2021) Pre-feasibility Study on the Introduction of Advanced Evacuation Promotion Systems in ASEAN

Category of Issues
in the Area



Target Area	<ul style="list-style-type: none"> Jakarta metropolitan area (JABODETABEK) , Republic of Indonesia
Background and Purpose	<ul style="list-style-type: none"> Mitigation of risk by large-scale floods is one of the challenges facing the JOBODETABEK. In this study, the current situation of Flood Early Warning is investigated, and the issues are found. Proposals are made for the realization of early evacuation against floods.
Related Organization	<ul style="list-style-type: none"> PUPR (Ministry of Public Works and Public Housing)
Project Stage	<ul style="list-style-type: none"> Pre-feasibility Study
Contents and Results	<ul style="list-style-type: none"> Interview surveys with multiple organizations involved to find issues and improvement needs for flood early warning Proposals of the following projects; <ol style="list-style-type: none"> Development of the System to enhance evacuation activities Development of a flood emergency response plan (RENKON) including the responsibilities of related organizations including municipalities, clarification of information transmission rules, definition of evacuation water level, developing hazard maps etc.

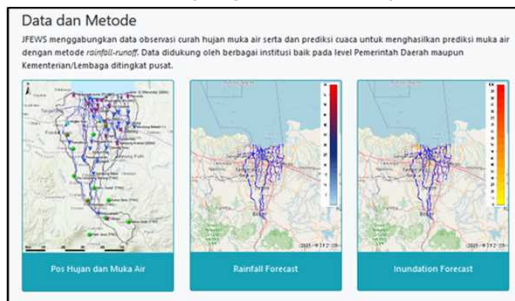


Fig1. Website of the Jakarta Flood Early Warning System (JFEWS)

Source: JFEWS homepage (<https://buletin-jfews.pusair-pu.go.id/>)

Target Area	<ul style="list-style-type: none"> Province of Cavite, Republic of the Philippines
Background and Purpose	<ul style="list-style-type: none"> The province of Cavite has begun to establish a command center, which has a flood warning system and disaster response operations for the purpose of early evacuation of residents in the province. This study proposes utilization of Japanese technologies in flood early warning and operation of the command center.
Related Organization	<ul style="list-style-type: none"> Provincial Disaster Risk Reduction Management Office (PDRRMO)
Project Stage	<ul style="list-style-type: none"> Pre-feasibility Study
Contents and Results	<ul style="list-style-type: none"> Interview surveys with PDRRMO to find issues and needs related to flood warning and evacuation. Proposals of the following projects; <ol style="list-style-type: none"> Construction of a disaster prevention system for collecting and organizing disaster information Utilization of the above system for strengthening cooperation with related organizations such as PAGASA Introduction of flood warning system using meteorological and hydrological data of related organizations such as PAGASA

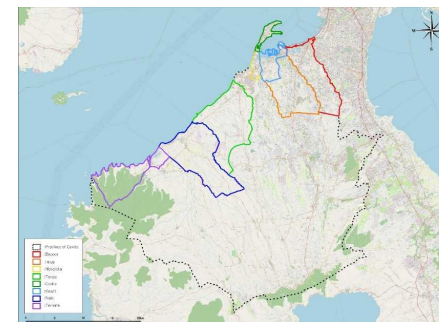


Fig2. Flood-damaged areas in Cavite (inside the colored frame)

Base Map Source: OpenStreetMap data © OpenStreetMap contributors