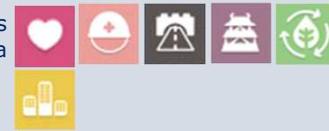




Smart JAMP(2021) Pre-feasibility Study on the Introduction of a River Risk Management System for the Realization of Smart City in Johor Bahru, Malaysia

Category of Issues
in the Area



Target Area	<ul style="list-style-type: none"> Johor Bahru, Johor, Malaysia (Iskandar Malaysia)
Background and Purpose	<ul style="list-style-type: none"> Based on the smart city master plan which Iskandar Regional Development Authority published, introduction of a river disaster risk management system has been considered referring to the current situation that flood forecast and information have not been properly provided to residents in the area of the Johor river which has a high risk of flooding in recent years. Further, the effective utilization of smart city planning sites toward building the future healthcare industry are also examined.
Related Organization	<ul style="list-style-type: none"> Iskandar Regional Development Authority (IRDA), Department of Irrigation and Drainage (DID) in Johor State Government, etc.
Project Stage	<ul style="list-style-type: none"> Pre-feasibility Study

Contents and Results	<ol style="list-style-type: none"> <u>Understanding the Current Situation and Identifying Issues in Johor Bahru and IRDA</u> <ul style="list-style-type: none"> Issues such as the lack of a flood disaster management system that integrates risk and preventive information related to flood disaster, and inadequate information dissemination to the public were identified. Methods for collecting and providing disaster information were examined, considering integration with the existing city OS (IMUO) in Iskandar Malaysia. <u>Study on the Implementation Plan of Flood Disaster Risk Management System in the Johor River Basin</u> <ul style="list-style-type: none"> With recognition of the current situation in the river management such as the collection and provision of information manually, introduction of a simple disaster prevention system that analyzes, aggregates, and disseminates disaster information on SNS using AI technology were proposed. Regarding flood forecast, it was confirmed that the Malaysian government is developing a system. <u>Examination and introduction of Japanese Technologies in the planned Smart City Area</u> <ul style="list-style-type: none"> Workshops about the healthcare industry at the planned smart city site (Bandar Cyberport) were held, and issues and needs to formulate a concrete plan are clarified. Possible Japanese healthcare technologies to contribute to Smart Wellness Development throughout Iskandar Malaysia were introduced through seminars.
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Figure1: Target area of this study



Figure2: Example of a possible solution to be implemented in flood disaster risk management system
(Integrated disaster management system for flood disaster)