COMPLETION   REPORT

Towards a standard action plan for flood disaster management measures: Assessment and comparison between Malaysia and Japan Action Plan

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In summary, a validated and verified data governance policy for flood mitigation, preparedness and flood disaster response, and recovery and reconstruction are developed. This policy has been created based on all the data and information gathered from various responsible authorities and agencies in Malaysia and Japan. This include experience representatives from humanitarian groups, public agencies, private bodies and group of volunteers who has been and will be using and rolling out the policy when flood strikes.

One of the main benefits of having such standard action plan, data mapping and data governance policy is the ability to ensure that every parties that involve in giving assistance and aid when flood catastrophe strikes are aware of the data being shared. Any urgent data needed could be obtained immediately once the responsible parties update those necessary data. These include data for flood mitigation, preparedness and flood disaster response, and recovery and reconstruction action plans. Having such a central data platform would eliminate inconvenience situations such as ambiguity over where inserting data responsibility lies and who should react to certain data given and for other purposes. Shortcomings such as data overlaps between agencies, and shortage of data by certain department could also be eliminated. This would be a part of the Malaysian Prime Minister's call for a new institutional policy for flood arrangements. Among others, the policy produced could alleviate the issues of unclear chain of command in coordinating relief efforts by government and public agencies.

Future research works could extend the current findings for building an online system for data management for flood disaster. The data mapping, action plan and data governance policy would be the documents for developers and programmers to refer to when developing and designing the platform and database for the online system.

Publication of the Results of Research Project:

Verbal Presentation (Date, Venue, Name of Conference, Title of Presentation, Presenter, etc.)
Thesis (Name of Journal and its Date, Title and Author of Thesis, etc.) Title: Data Governance Policy for Data Sharing During Flood Disaster Authors: Noreen Izza Arshad, Nur Afiqah Marzuki, Najibah Shahbila Journal: Journal of Information Systems (in-review)
Book (Publisher and Date of the Book, Title and Author of the Book, etc.)