

Collaboration, Communities, Well-being and Information System

Abdul Rahman Bin Ahmad Dahlan
Muhd Rosydi Bin Muhammad



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ABSTRACT

A disaster management system has active, unpredictable, and complex characteristics due to dynamic conditions with a high level of uncertainty. Non-Government Organizations (NGO) and Government organizations from different jurisdictions and sectors with different responsibilities at regular times create an emergent and complex system in response to disasters. Although being mostly demanded, the collaboration initiatives between government agencies that specifically designed to address risk management before a disaster happens is lacking in effectiveness. It is natural for humans to collaborate while dealing with complex problems. In this regard, we consider this process of effective collaboration in the context of information systems. Investment in the information technologies and systems, and its utilization can play a critical role in creating a complex socio-technical disaster system to coordinate organizations and jurisdictions in dynamic settings.

19.1 INTRODUCTION

As one of the top ten natural disasters in Malaysia, landslides have great impacts on the environment and on societies, and often cause vast economic losses and casualties. Many methods have been developed for the prediction or forecast of landslides; however, in Malaysian perspective there are many organizations who are predicting or forecasting with the monitoring of landslides but results are not very