

Analysis of Risk-Based Disaster Planning in Local Communities

Authors : R. A. Temah, L. A. Nkengla-Asi

Abstract : Planning for future disasters sets the stage for a variety of activities that may trigger multiple recurring operations and expose the community to opportunities to minimize risks. Local communities are increasingly embracing the necessity for planning based on local risks, but are also significantly challenged to effectively plan and response to disasters. This research examines basic risk-based disaster planning model and compares it with advanced risk-based planning that introduces the identification and alignment of varieties of local capabilities within and out of the local community that can be pivotal to facilitate the management of local risks and cascading effects prior to a disaster. A critical review shows that the identification and alignment of capabilities can potentially enhance risk-based disaster planning. A tailored holistic approach to risk based disaster planning is pivotal to enhance collective action and a reduction in disaster collective cost.

Keywords : capabilities, disaster planning, hazards, local community, risk-based

Conference Title : ICDEM 2019 : International Conference on Disaster and Emergency Management

Conference Location : Rome, Italy

Conference Dates : March 05-06, 2019