

Multi-Geohazard and Disaster Risk Assessment: A Technological's Perspective



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Understanding geological hazard and associated risk is a step forward to better reducing disaster future risk in the tropics. It is also critical step to access reliable data, information and knowledge for successfully managing disaster risk. Given extreme climate, rapid urbanization, and environmental degradation, it is crucial for us to better coping the disaster capacity, assessing our increased exposure and vulnerability to natural hazards and disaster risk in a quantitative manner. This session urges the need for smart innovation and cross-sectoral partnership, linked to practice and diverse stakeholders to support the evidence based decision-making for multi-geohazard and associated risk in Malaysia. Some lesson learned and challenges based on experiences from Taiwan, Japan and

Korea are used to formulate a comprehensive disaster research and nurturing networking various stakeholders. This slot also addresses the solution-oriented knowledge as a result of multi-discipline centric approaches in dealing with complex multi-hazard and disaster risk. This session puts forth a comprehensive methodological-, and operational framework, and future direction of state-of-the-art technology for mapping, monitoring and assessing geomorphological process-response system in the tropics. It highlights integrated disaster research, stakeholder's engagement and knowledge domain for supporting trans-disciplinary disaster solution and building disaster smart resilient society in Malaysia.