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The Resilience Opportunity Creations for Urban Development

[Abstract]

The urban setting is a complex system that is having a multi-hazard risk layer. Being exposed to risk is the common cause of fatalities and damages to urban development, while the development itself is an aspect of creating risk. A city's resilience originates from the strategy to improve the capacity of urban development to avoid and recover from damages. The solution towards resiliency is associated with its risk and development. In order to assist with the approach towards determining the risk, the resilience opportunities need to be mapped through the Multihazard Risk Resilience Opportunity Creation Framework (MRROCF). The process is carried out by establishing the risk of an area, determining the area of interest, and gathering the necessary data from surveys, articles, as well as other second sourced data in terms of the risk profile and possible solution. The results are analyzed through the risk profiling parameters, which consist of the social, economic, environment, and governance of the area to determine the risk, also analyzing the development scope through the probable architectural, landscape, and construction methods in determining the various opportunities. By understanding the risk, it will aid in development opportunities that are resilient and applicable to urban development.

[Keywords]

urban development; disaster risk; resilience; opportunity creation framework