

Knowledge Integration from Concept to Practice: An Exploratory Study of Designing a Flood Resilient Urban Park in Viet Nam

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Abstract : Urban centres worldwide are affected differently by flooding. In Vietnam this impact is increasingly negative caused by a process of rapid urbanisation. Traditional spatial planning and flood mitigation planning are not able to deal with this growing threat. This article therefore proposes to focus on increasing the participation of local communities in flood control and management. It explores, on the basis of a design studio exercise, how lay knowledge on flooding can be integrated within planning processes. The article presents a theoretical basis for the structured criterion for site selection for a flood resilient urban park from the perspective of science, then discloses the tacit and explicit knowledge of the flood-prone area and finally integrates this knowledge into the design strategies for flood resilient urban park design.

Keywords : analytic hierarchy process, AHP, design resilience, flood resilient urban park, knowledge integration

Conference Title : ICCSKAM 2020 : International Conference on Conceptual Structures, Knowledge Architecture and Management

Conference Location : Jerusalem, Israel

Conference Dates : November 26-27, 2020