



A resilience measures towards assessed urban flood management – CORFU project

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ABSTRACT

Urban systems are faced with frequently flooding processes. With increasing number of challenges that are rising nowadays the urban systems has to define priorities in order to preserve the proper level of functioning. Consider flooding as one of the most frequent natural hazard on earth the necessity to know risk is essential in defining effective flood resilience measure. Flooding processes are driven with various factors. High urbanization along with tremendous change of land use, development of urban infrastructures consequently increases vulnerability of urban systems. Priorities that are usually on the table during crisis situation are related to saving lives and assets of urban system. Acceptable risk level varies from world region, level of economic development, urbanization level, etc. Choosing the right resilience strategy is based on already defined priorities. Importance in introducing resilience to flood risk management is significant. Role of preparedness through insurance industry government agencies and flood warning systems becomes fundamental. It is clear that a coordinated approach to the utilization of such products is vital crossways the industry and relevant stakeholders. Assessing resilience of urban systems regarding floods involves in equation flood damage, risk perception and vulnerability analysis. A role of resilience in sustainable development becomes significant. This paper analysis one of the resilience measures considerable for improving urban flood management. Flood preparedness measures form first stage in flood management cycle. Throughout policies, planning, information and communication with residents the flood damages can be reduced notably.

KEYWORDS

Flood, resilience, management, urban