



Interdisciplinary approaches for the evaluation of territorial criticalities.

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An interdisciplinary approach for the characterization of the damage susceptibility of a territorial system due to a seismic event is proposed, taking into consideration all the territory elements which have a strategic role, included the social consequences of a given damage susceptibility for the territorial system. The evaluation of the seismic vulnerability of urban and territorial systems is usually obtained through modelling not coherent with its specific characteristics. The determination of the critical state levels of the strategic elements of the system after an earthquake and social costs to be related also to the loss of infrastructures of relevant importance are not taken into consideration. Through the proposed research a characterization of the distribution of the seismic vulnerability levels related to the dynamics of a territorial system is experienced. In particular, the knowledge level of territory is supplemented with specific elements taken from a set of functions concerning the seismic vulnerability evaluation through interdisciplinary approaches aimed at the determination of safety reducers and social priority levels of the territorial system. In relation to the typology and goals of each study, quick and exact procedures are proposed for the analysis of the critical state levels of the urban system based on the arrangement of specific survey protocols. The study represents so a first step addressed to the characterization of specific tools of the territory context reading, for the arrangement of a prevention policy. It is depicted on the evaluation of different indicator typologies referable to the assessment of the seismic urban and territorial vulnerability and socio-economic vulnerability, respectively. The goal of analysis is to be related to the arrangement of experimental forms and actions to individuate territorial criticalities of a territorial system, suitable to manage high levels of seismic urban and territorial vulnerability, within a project of

economic growth.