



Urban systems vulnerability and natural risk evaluation: a quickly approach.

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The purpose of this proposal is to define a procedure usable for risk evaluation and for planning mitigation strategies. This outline suggests the adoption of specific technique for urban system analysis and the global vulnerability estimation at urban scale.

The approach is quickly because it makes use of generalizations as the result of some Italian test-sites.

The method is founded on four peculiar aspects:

1. characterization of urban centres through generic socio-economic indicators (employments, population age, incomes, etc.);
2. characterization of the most important urban systems for the city life (dwellings, public facilities, cultural system, socio-economic system, etc.) and their characterization with specific indicators;
3. delimitation of homogeneous urban zones using morphologic and functional criteria (historical centres-downtown, latest built up areas, productive district, etc.)
4. identification of areas interested in direct and induced natural hazards

This study provides a type of increasing process combining the four aspects highlighted and above mentioned. Moreover it arrives at a synthetic index concerning a

urban centres on the whole.

The benefit of this procedure consists of the availability of a vulnerability index proportional at the territorial dimension.