

# **A Study for Urban Risk Assessment Using GIS**

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**Key words:** Risk management; "GIS"; "Risk Assessment"; "Risk-City"

## **SUMMARY**

The world is currently showing active movement respond to climate change and strategies is deriving at the national level. WMO(world ~~~~) and UNEP(~~~~) are establishing international alliance for risk-assessment about global environmental problems and providing international countermeasures. Hereto the spatial information research is multi-faceted analysis method for achieve effective climate change strategy. Also Multi-Hazard risk assessment technique is required for actively respond to the complex environmental and accurate information analysis. In this study we developed complex disaster risk-assessment technique by geospatial information and qualitative, quantitative risk analysis. And evaluate the real-time risk-assessment, we also developed a web-based system called RISK-CITY.