

Geoinformatics for Disaster Management

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**Introduction**

Geoinformatics, which combines satellite geodesy, information technology and Geographical Information System (GIS) are comparatively new technologies which can assist in all phases of disaster and disaster management viz. (1) prediction, (2) prevention, monitoring and warning system (3) assessment of damages and (4) post-disaster management. These technologies may also be used for computer modeling for studying complex spatial patterns, distribution of and likelihood of integration of multiple data layers and cause and effect relationships. Deterministic models are capable of explaining the causes of such hazards.

The surveyors and cartographers of 21<sup>st</sup> century have great responsibilities both socially and professionally to involve themselves in disaster management. Several case studies are presented here so that these can be of help at the time of India's need.