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## Geographic Information and Cartography for Risk and Crisis Management

### Towards Better Solutions

Cartography and geographic information (GI) are remarkably appropriate for the requirements of early warning (EW) and crisis management (CM). The use of geospatial technology has increased tremendously in the last years. ICT has changed from just using maps created in advance, to new approaches, allowing individuals (decision-makers) to use cartography interactively, on the basis of individual user's requirements. The new generation of cartographic visualizations based on standardisation, formal modelling, use of sensors, semantics and ontology, allows for the better adaptation of information to the needs of the users. In order to design a new framework in pre-disaster and disaster management safety/security/privacy aspects of institutions and citizens need to be considered. All this can only be achieved by demonstrating new research achievements, sharing best practices (e.g. in the health area) and working towards the wider acceptance of geospatial technology in society, with the help of education and media. This book will outline research frontiers and applications of cartography and GI in EW and CM and document their roles and potentials in wider processes going on in information/knowledge-based societies.... *more on <http://springer.com/978-3-642-03441-1>*

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