

Cartographic society's contributions to crisis resolution of environmental issues and disasters

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Maps are important for crisis management in environmental issues and disasters, however it is not clear if the current situations of providing and using maps for crisis management are appropriate or not. We try to clarify contributions and problems on map provisions and uses for crisis management from the viewpoint of cartographic society in our talk. Particularly, we focus on the following points.

- (1) prompt action and quality
- (2) appropriateness of map provisions to suffered communities depending on their situation
- (3) designing action plans of map provisions for levels of situations
- (4) paper maps and digital maps
- (5) appropriateness of current hazard maps
- (6) weak map literacy in decision making, communication, and media
- (7) international contributions
- (8) volunteered geographic information, location-based SNS, and ubiquitous mappings
- (9) use of spatio-temporal big data

Keywords: maps, disaster maps, aerial photographs, geospatial information, hazard maps, Volunteered Geographic Information