

# Applications of Advanced Information Technologies to Disaster Risk Reduction

**Thomas Robertson**

Thinking Teams, United States

<http://www.thinkingteams.net>

tvrobertson@yahoo.com

**Abstract:**

The increasing frequency and severity of natural disasters is being met by advancements in the application of new technologies to improve the quality and dissemination of information critical to all phases of Disaster Risk Reduction (DRR). This presentation will provide an overview of new technologies being applied to DRR, including specific examples of the use of social media, drones, geographic information systems, disaster modeling, and decision support systems. We will address issues of cost-effectiveness, and technology trends that are expected to yield further improvements.

**Keywords:** Disaster Risk Reduction, Technology applications, Social media, Drones, GIS, Disaster modeling, Decision support systems