



Call for Papers

Disaster Management

Improving our understanding and management of natural and human-induced disasters, from the factors at their inception to the process of recovery and rehabilitation

2011 Quarterly Theme Issue 1

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www.Earthzine.org is an informative scientific online journal dedicated to promoting the societal benefits of Earth Observations and the utilization of Earth information in planning and policy. Sponsored by the [IEEE](http://www.ieee.org) (Institute of Electrical and Electronic Engineers), Earthzine supports the [Group on Earth Observation](http://www.geooss.org) in establishing the Global Earth Observation System of Systems. **Earthzine seeks to explore the application of scientific and technological research as well as policy and its implementation for the benefit of society.**

We invite you to submit an article and become part of a growing, professionally diverse community and global readership network working to build the Global Earth Observation System of Systems ([GEOSS](http://www.geooss.org)).

www.Earthzine.org is soliciting articles from all regions of the globe for its theme issue on **Disaster Management**. The number of disasters and their impact has been rising in recent decades, and it is anticipated that these will continue to increase in the future. At the same time, there has been greater attention and investment to expand human, institutional, and Earth Observation capabilities to better manage and minimize effects of disasters on life and living conditions.

We seek articles that utilize *in situ*, airborne, and spaceborne observations that contribute to our understanding of disasters across all scales, from their causes to the consequences, including use in planning, mitigation, preparedness, response, and recovery stages of disaster management.

Specific topics of interest focus on, but are not limited to the following:

- Observation systems for characterizing type, severity, and extent of disasters
- Methodological and technical issues related to using Earth information systems for disasters, including real-time data collection, access and sharing
- Recent tools and methods as well as applications and case studies using Earth Observations for production of Disaster Risk Indices and for modeling and characterization of risk, hazard, and vulnerability to disasters



- Earth Observation approaches for prediction, detection, and early warning of major hazards
- Value and contribution of Earth Observations for planning, mitigation, and reduction of disaster risk
- Use of Remote Sensing technologies (e.g., optical and radar satellite data, LiDAR, etc.) for post-disaster assessment and response, including rapid mapping
- Use of Earth Observations for dynamic disaster monitoring and mitigation efforts
- Characterization of disaster evolution and spatio-temporal patterns
- Identifying gaps, challenges, and additional requirements in observation for Disaster Management
- Future contributions of Earth Observations for Disaster Management

We welcome articles about programs, projects, organizations, examples of interdisciplinary and/or cross-regional research, latest discoveries, and unusual findings. We also publish opinion essays, book and art reviews. Submissions must be in English. Submit to Guest Editor Sérgio Freire (sfreire@fcsh.unl.pt) and Associate Editor Biswajeet Pradhan (biswajeet24@gmail.com).

Please consult the [Writer's Guidelines](#) for further information.

Important dates: Queries to the editors may be sent at any time. Submissions of original articles, letters, opinions, book and art for review will be accepted until **March 6, 2011**.

Publication: All accepted contributions will be published on-line at www.earthzine.org in the first quarter of 2011 and will be freely accessible to the public.

Information: Earthzine website: <http://www.earthzine.org>
Writer's Guidelines: <http://www.earthzine.org/writers-guidelines>
GEO/GEOSS website: <http://www.earthobservations.org>

Editor-in-Chief

Paul E. Racette
editor@earthzine.org

Deputy Editor-in-Chief

Christoph Aubrecht
christoph.aubrecht@earthzine.org

Managing Editor

Maeve Hickok
mhickok@earthzine.org

Guest Editor for Disasters

Sérgio Freire
sfreire@fcsh.unl.pt
New University of Lisbon
e-GEO, Geography & Regional Planning Research Center
PORTUGAL

Associate Editor for Disasters

Biswajeet Pradhan
biswajeet24@gmail.com
University Putra Malaysia
Institute of Advanced Technology
MALAYSIA