



## **Special Issue "Natural Hazards' Impact on Urban Areas and Infrastructure" in Natural Hazards**

M. Bostenaru Dan (1,2)

(1) ERGOROM '99, (2) "Ion Mincu" University of Architecture and Urban Planning

In 2006 and 2007, at the 3rd and 4th General Assembly of the European Geosciences Union respectively, the session on "Natural Hazards' Impact on Urban Areas and Infrastructure" was convened by Maria Bostenaru Dan, then at the Istituto Universitario di Studi Superiori di Pavia, ROSE School, Italy, who conducts research on earthquake management and Heidi Kreibich from the GFZ Potsdam, Germany, who conducts research on flood hazards, in 2007 being co-convened also by Agostino Goretti from the Civil Protection in Rome, Italy. The session initially started from an idea of Friedemann Wenzel from the Universität Karlsruhe (TH), Germany, the former speaker of the SFB 461 "Strong earthquakes", the university where also Maria Bostenaru graduated and worked and which runs together with the GFZ Potsdam the CEDIM, the Center for Disaster Management and Risk Reduction Technology.

Selected papers from these two sessions as well as invited papers from other specialists were gathered for a special issue to be published in the journal "Natural Hazards" under the guest editorship of Heidi Kreibich and Maria Bostenaru Dan.

Unlike the former special issue, this one contains a well balanced mixture of many hazards: climate change, floods, mountain hazards like avalanches, volcanoes, earthquakes.

Aim of the issue was to enlarge the co-operation prospects between geosciences and other professions in field of natural hazards. Earthquake engineering and engineering seismology are seen more frequently co-operating, but in field of natural hazards there is a need to co-operate with urban planners, and, looking to the future, also in the field of integrated conservation, which implies co-operation between architecture and urban planning for the preservation of our environment. Integrated conservation is stipulated since the 1970s, which are the years when the participatism, and so the involvement of social sciences started.