



Natural and man-made hazards impact on urban areas

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This contribution presents the book "Natural and Man-Made Hazard Impact on Urban Areas" which was published bilingually, in Romanian and English, at the "Ion Mincu" University Press and coordinated by Maria Bostenaru-Dan and Mirela Adriana Anghelache. The book contains a series of essays on the topic taking place as a round table at the Centre of Architectural and Urban Studies as presented in 2015 at the EGU in this session. Apart of that there is an introductory overview and results of two short term scientific missions funded by COST in 2013. All contributions feature a Romanian-Portuguese cooperation since apart of the two Portuguese authors also Andreea Dutu and Miroslav Tascu-Stavre had long term research stays of one academic year in Portugal and Maria Bostenaru-Dan had two short term research stays which led to the invitations of the Portuguese authors, while Mihaela Harmanescu had also a short term research stay in Portugal. All stays were funded by European funds. We hope that cooperation will continue and there will more initiatives of this kind. The book is already the second in a series started with "Digital modeling of the impact of the 1755 Lisbon earthquake" and uses the same layout, and already raised the attention of libraries.

The book also gives an overview of this session since 1999, and since 2001 in the convenership and then co-convenership of the first author as shown by:

- a special issue in Bulletin of Earthquake Engineering (<https://link.springer.com/journal/10518/4/2/page/1>)
- a special issue in Natural Hazards (<https://link.springer.com/journal/11069/51/3/page/1>)
- a book (<http://www.springer.com/de/book/9789400779808>)
- an overview of the session series in Reviews in Environmental Sciences and Biotechnology (<http://link.springer.com/article/10.1007/s11157-011-9231-1>)

The book will be followed by one published at the Karlsruhe Institute of Technology on the EGU funded topical meeting in Rome and presented in 2016 at the EGU, still in print. In 2016 there was also a Splinter meeting for the books. The publication of the books was funded by the Marie Curie Alumni Association.

Contents of the book:

M. Hărmănescu: Preface

M. Bostenaru Dan: Context

T. Panagopoulos: Climate Change Adaptation and Migration Management

M. Bostenaru Dan, D. Mendes: Economics and retrofit

M. Bostenaru Dan: Round table about the impact of natural and man-made disasters on urban areas

M.-A. Anghelache: Note about the role and responsibilities of the key actors involved in the fight against natural disasters

C. O. Gociman, T. Florescu, C. Moscu, M. Gârneată: Multihazard and urban destructuration. Intervention strategies

A. Duțu: Keeping the memory in reconstruction/reshape efforts after disasters, the role of heritage habitat

D. Gheorghe: Assessment and mapping methods of the impact of natural hazards on urban areas (preventive, postdisaster); Partnership models among the involved actors in the decision process for disaster mitigation

C. Hostiuc: Disasters of buildings, cultural disasters and not only

M. Mihaila: Towards an investigation of valuable areal protection for local and global singularity. Bucharest: earthquakes and buildings condition - white paper

M. Tascu-Stavre: The need for studies regarding the perceptions and attitudes connected to the seismic risk in Romania