

NATURAL AND MAN-MADE HAZARD IMPACT ON URBAN AREAS — BOOK PRESENTATION —

Maria BOSTENARU DAN, M.-A. Anghelache, et M. Hărmănescu, T. Panagopoulos, D. Mendes, C. O. Gociman, T. Florescu, C. Moscu, M. Gîrneată, A. Duțu, D. Gheorghe, C. Hostiuc, M. Mihaila, M. Tascu-Stavre

Natural hazards impact

- Session started 1999
- 4 institutions
 - ▣ Karlsruhe University
 - ▣ IUSS
 - ▣ University of Bucharest
 - ▣ „Ion Mincu“ University
- Also conveners changed
- And the places of EGU



Till 2004 the conference took place in Nice,
France

The presentation of Nice as conference place is second runner up of Seeing the world through Science of the journal Science

<http://www.sciencemag.org/careers/2006/08/special-feature-seeing-world-through-science>

Natural and man-made hazard impact on urban areas

Maria BOSTENARU DAN (ed.)
Mirela Adriana ANGHELACHE (ed.)

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Maria BOȘTENARU DAN (coord.)
Mirela Adriana ANGHELACHE (coord.)

Impactul hazardurilor naturale și antropice asupra ariilor urbane



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Contents

- Collection of short essays on the topic of the role of urban planning in natural and man-made disasters.
- The book is in Romanian and English.

CSAU events

- COST STSM Maria Bostenaru at Diana Mendes from Action on Geocomplexity
- COST STSM Thomas Panagopoulos at Maria Bostenaru from Action on Climate change and migration 2013
- Round table organised by Maria Bostenaru 2014
- More events on different topics are running there



Centre for Architectural and Urban Studies

Tradition in international events



CIEO University of Algarve

Gehosted T. Panagopoulos



ISCTE IUL Lisbon

Host Diana Mendes

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. Gîrneală: 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

Authors and institutions

□ coeditors

- M. Bostenaru Dan: “Ion Mincu” University of architecture and Urbanism, Romania
- M.-A. Anghelache: Institute of Geodynamics of the Romanian Academy, Romania

□ authors

- M. Hărmănescu: “Ion Mincu” University of architecture and Urbanism, Romania
- T. Panagopoulos: University of Algarve, Portugal
- D. Mendes: ISCTE Lisbon, Portugal
- C. O. Gociman, T. Florescu, C. Moscu, M. Gîrneată: “Ion Mincu” University of architecture and Urbanism, Romania
- A. Duțu: Technical University of Civil Engineering, Bucharest, Romania
- D. Gheorghe: University of Bucharest, Romania
- C. Hostiuc: “Ion Mincu” University of architecture and Urbanism, Romania
- M. Mihaila: “Ion Mincu” University of architecture and Urbanism, Romania
- M. Tascu-Stavre: University of Bucharest, Romania

Authors and fields

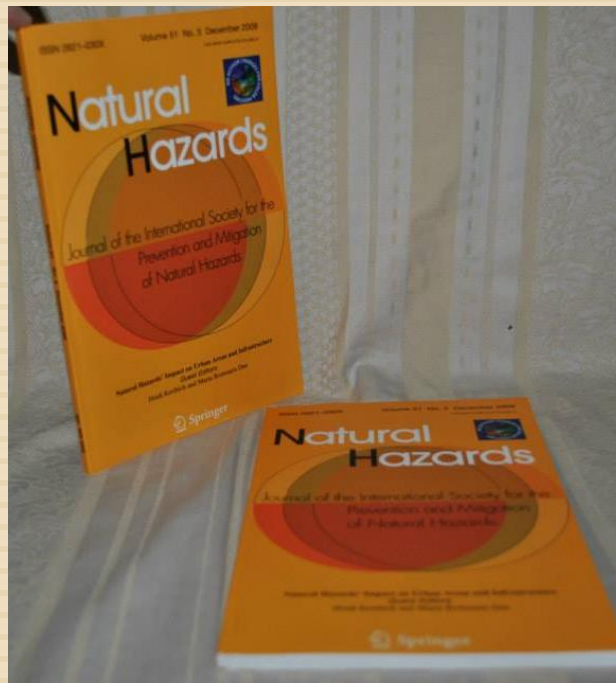
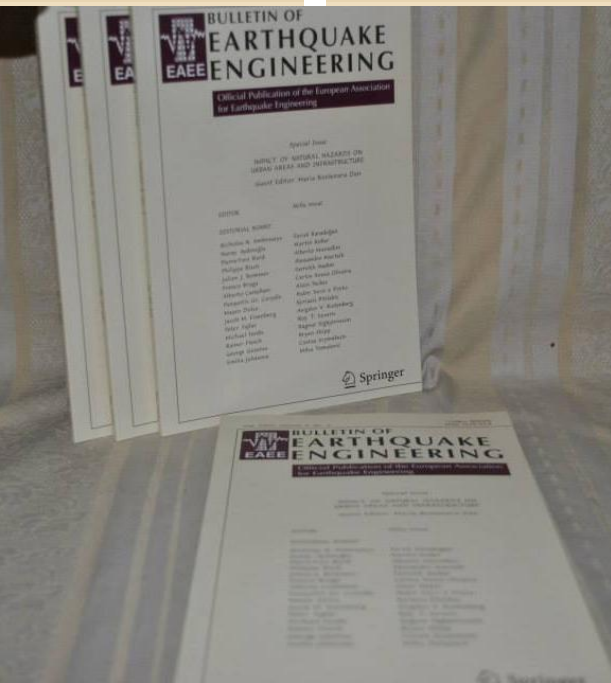
- coeditors
 - ▣ M. Bostenaru Dan: architecture, urbanism
 - ▣ M.-A. Anghelache: geology, seismology
- authors
 - ▣ M. Hărmănescu: architecture, urbanism, landscape architecture
 - ▣ T. Panagopoulos: silviculture
 - ▣ D. Mendes: mathematics, economics
 - ▣ C. O. Gociman, T. Florescu, C. Moscu, M. Gîrneață: architecture, urbanism
 - ▣ A. Duțu: civil engineering
 - ▣ D. Gheorghe: geography
 - ▣ C. Hostiuc: history of art
 - ▣ M. Mihaila: architecture
 - ▣ M. Tascu-Stavre: cultural studies, policy

The book and the EGU session

- The book gives an overview of the EGU session started 1999 under the title „Natural hazards` impact on urban areas and infrastructure“
- The first author first attended 2001 when the session was convened by Carlos Sousa Oliveira from Portugal
- The first convener of the session was Prof. Friedemann Wenzel from Karlsruhe, where also the first author was based then.

The book and the EGU session

- a special issue in the Springer journal Bulletin of Earthquake Engineering
 (<https://link.springer.com/journal/10518/4/2/page/1>) – a result of the Marie Curie Intra-European Fellowship in Pavia, subsequent to the host fellowship with the co-editor
- a special issue in the Springer journal Natural Hazards
 (<https://link.springer.com/journal/11069/51/3/page/1>) – a result of the Marie Curie European Reintegration Grant after the above named fellowship
- a book at Springer
 (<http://www.springer.com/de/book/9789400779808>) – also a result of the Marie Curie European Reintegration Grant (portal)
- an overview of the session series including these publications in the Springer journal Reviews in Environmental Sciences and Biotechnology
 (<http://link.springer.com/article/10.1007/s11157-011-9231-1>).



Previous publications at Springer

Special issues and book

The book and the EGU session

- The results of the round table were presented at the session from 2015
<https://meetingorganizer.copernicus.org/EGU2015/orals/18750>
- 2017 a Splinter meeting took place to present two publications resulting from EGU cooperation, this book and a book from an EGU funded workshop in Rome
<https://meetingorganizer.copernicus.org/EGU2017/session/26228>
- The book from Rome will be presented next year.

Romanian–Portuguese cooperation

- This is the second CSAU book in the series regarding Romanian–Portuguese cooperation in the field of hazard impact on urban areas after <http://openarchive.icomos.org/1476/>
- Round table authors' cooperation:
 - Andreea Dutu had a stage in frame of an European Structural Funds funded doctorate a research stage in Lisbon, Portugal
 - Mihaela Harmanescu had a stage in frame of an European Structural Funds funded postdoctorate research stage in Gallaecia, Portugal
 - Miroslav Tascu Stavre is a postdoctoral researcher in a European Project (CREATOUR) in Coimbra, Portugal.
- COST actions cooperation invited
 - Short Term Scientific Mission in Lisbon, Portugal, of Maria Bostenaru Dan at Diana Mendes
 - Short Term Scientific Mission in Bucharest, Romania, of Thomas Panagopoulos from Faro, Algarve, Portugal, at Maria Bostenaru Dan.
 - COST actions are also funded through a European Commission contract.
- Different Portuguese cities were involved: Faro, Coimbra, Lisbon, Cerveira



The first book in Romanian-Portuguese cooperation

The one launched now is the second one

MCAA funding

- The publication of the book was supported by the Marie Curie Alumni Association through a micro media grant awarded to the second editor, Mirela Adriana Anghelache.
- Both editors were Marie Curie Fellows at the ROSE School/Istituto Universitario di Studi Superiori di Pavia in Italy researching earthquake hazards during https://cordis.europa.eu/project/rcn/64381_en.html



Marie Curie site in Pavia

IUSS Pavia

- Two Plinius Medal winners at the EGU
 - ▣ Helen Crowley 2009
 - ▣ Tim Sullivan 2012

Advertising of the book

- news on the book on the webpage of the European Commission
http://cordis.europa.eu/news/rcn/141799_en.html
- ICCROM page
<https://www.iccrom.org/classifieds/natural-and-man-made-hazard-impact-on-urban-areas/>
- Launch in June in Romania
- EGU Natural Hazards blog forthcoming



MCAA and EGU

- Next year
 - ▣ EGU topical meeting in Rome 2016 book will be launched
 - „Water as hazard and water as heritage“
- With MCAA funding
- The EGU is even more connected with MSCA
 - ▣ Short courses to present the grants
 - ▣ Award winners present



Book to be launched next year

Open access at KSP

- Write me an Email for the book
- Maria.Bostenaru-Dan@alumni.uni-karlsruhe.de

Enjoy!