

Water as hazard and water as heritage: Report of the European Geosciences Union Topical Event in Rome, 13.-14. June 2016

Maria Bostenaru Dan¹, Alex Dill², Roxana Mihaly³, Maria Beatrice Andreucci⁴, Mirela Adriana Anghelache⁵, Gruia Badescu⁶, Ciprian Buzila⁷, Daniela Calciu¹, Oana Diaconescu¹, Anca Cezarina Fulger⁸, Mark Kelly⁹, Marina Mihaila¹, Cristian Banica¹⁰, Maria Montopoli¹¹, Beniamino Murgante¹², Michele Nori¹³, Patricia Osmond¹⁴, Eva Pietroni¹⁵, and Roxana Maria Triboi¹

¹Ion Mincu University of Architecture and Urbanism

²Karlsruhe Institute of Technology

³University of Târgu Mures

⁴Sapienza University of Rome

⁵Institute of Geodynamics of the Romanian Academy

⁶University of Konstanz

⁷Brown University

⁸Accademia di Romania

⁹British School in Rome

¹⁰Center of Studies of Contemporary Architecture

¹¹CNR-ISAC

¹²University of Basilicata

¹³European University Institute

¹⁴Iowa State University

¹⁵CNR-ITABC

November 22, 2022

Abstract

“Water as hazard and water as heritage” was an international workshop funded by the European Geosciences Union and run in frame of the “Spazi aperti” international event of the Romanian Academy in Rome, along with other cultural events. The “Spazi aperti” (open spaces) event is an international exhibition inviting the scholars in arts and humanities at other foreign academies in Rome, an international city. The convener of the workshop, the first author, was Vasile Pârvan fellow at that time in Rome, on a topic about water, and volunteered to the “Spazi aperti” event, whose curator was Roxana Mihaly. Fellows from different academies contributed to the book. Participation was multidisciplinary, from geosciences to archeology, art history, architecture and urban and landscape planning. Participation was also international, from Romania, Italy, the USA, the UK and Germany. In 2018 the report was published, with support of the Marie Curie Alumni Association, which also supports participation to present the book at the EGU GA in 2019. Marie Curie Alumni contributed to the book. Working on the report has been supported by two short term scientific missions in frame of the COST action TD1406 (“Intelligent management of heritage buildings”), both under the mentorship of Alex Dill, co-editor of the book, a conference stay in Karlsruhe funded by the Marie Curie Alumni Association and a mobility project of the Romanian science authority (PN-III-P1-1.1-MC2017-1334), all leading to Karlsruhe, Germany. The book has also been presented at the Romanian Architecture Biennale 2018, an event in frame of the European Year of Cultural Heritage of the European Commission. The book has also been announced on platforms

such as the Hungarian Academy of Sciences and CORDIS of the European Union (https://cordis.europa.eu/news/rcn/129019_-de.html). A contact has been established to present also on the EGU blog. The book contains an overview of the event (both the Spazi aperti exhibition and the workshop, including its webpage) and the abstracts of the presentations, along with images and the CVs of the presenters. The presentations include: symbols of water in the work of Carlo Scarpa, water as hazard in case of earthquakes, postwar riverfront reconstruction, water in the arts, waterways across Europe, water and archaeology (architecture and archaeology, Roman baths, virtual museums), water sketching, waterscapes, precipitation estimation, water and natural risks in smart cities, pastoralism and water, new forms of water in landscape. The countries covered are in Europe and beyond (near East), including different countries in Europe than those of the authors (such as Denmark and the Balkans for example). The contributions display the dual character of water, between hazard (geoscience) and heritage (arts), and thus link to previous contributions of the first author to the EGU, co(convening) since 2002 the session on natural hazards' impact on urban areas and infrastructure.

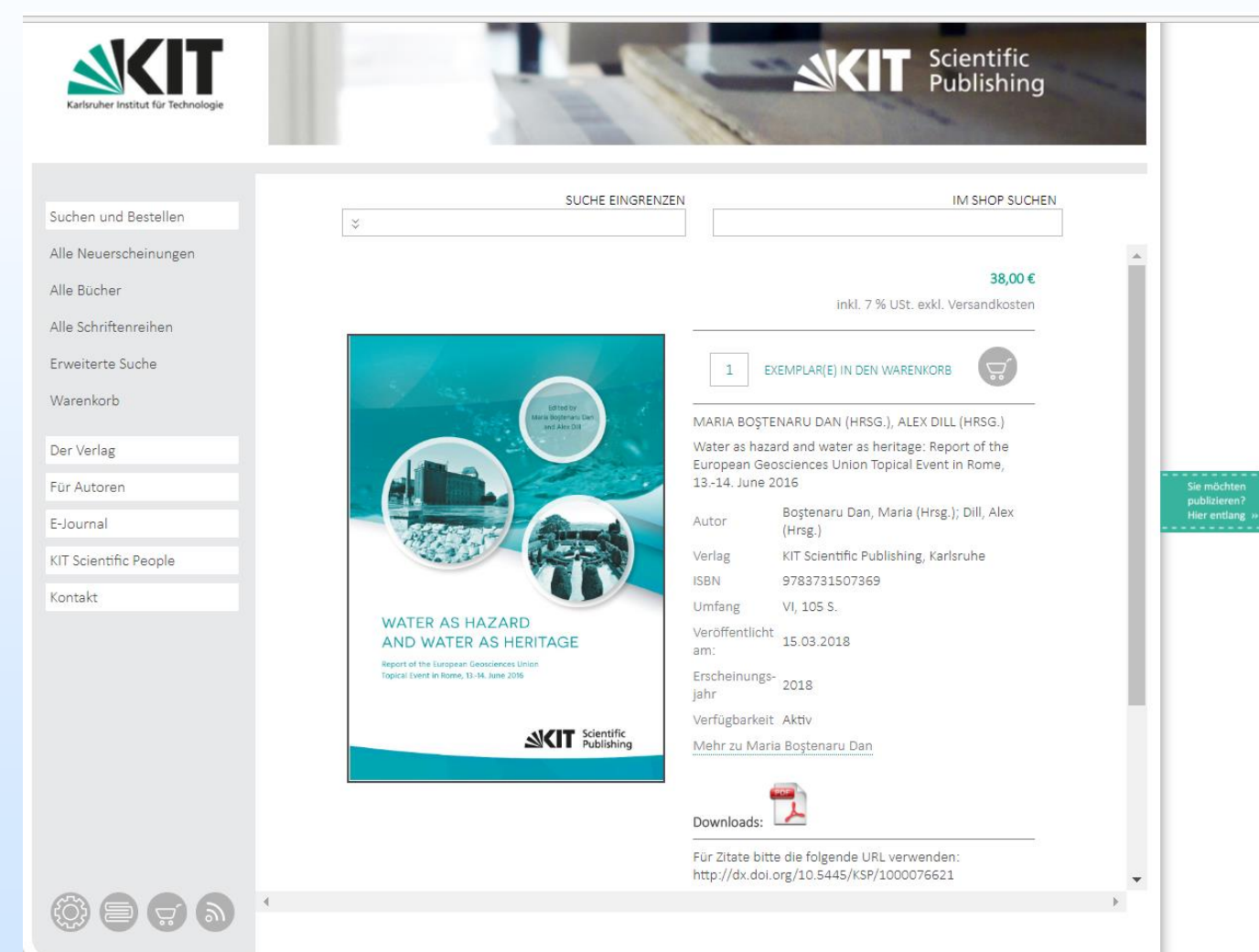
Water as hazard and water as heritage:

Report of the European Geosciences Union Topical Event in Rome, 13.-14. June 2016

Maria Bostenaru Dan (1), Alex Dill (2), Roxana Mihaly (3), Maria Beatrice Andreucci (4), Mirela Adriana Anghelache (5), Gruia Badescu (6), Ciprian Buzila (7), Daniela Calciu (1), Oana Diaconescu (1), Anca Cezarina Fulger (8), Mark Kelly (9), Marina Mihaila (1), Cristian Banica (10), Mario Montopoli (11), Beniamino Murgante (12), Michele Nori (13), Patricia Osmond (14), Eva Pietroni (15), and Roxana Maria Triboi (1)

(1) "Ion Mincu" University of Architecture and Urbanism, Faculty of Urbanism, Department of Urban and Landscape Design, Bucharest, Romania, (2) Karlsruhe Institute of Technology, (3) University of Târgu Mures, (4) Sapienza University, Rome, (5) Institute of Geodynamics of the Romanian Academy, (6) University of Konstanz, (7) Brown University, (8) Accademia di Romania a Roma, (9) British School in Rome, (10) Centre for Studies in Contemporary Architecture, (11) CNR - ISAC, (12) University of Basilicata, (13) European University Institute, (14) Iowa State University, (15) CNR - ITABC

Editors: Maria Bostenaru Dan and Alex Dill
Publisher: KIT Scientific Publishing, Karlsruhe, Germany
ISBN 9783731507369
2018
<http://dx.doi.org/10.5445/KSP/1000076621>



"Water as hazard and water as heritage" was an international workshop funded by the European Geosciences Union and run in frame of the "Spazi aperti" international event of the Romanian Academy in Rome, along with other cultural events. The "Spazi aperti" (open spaces) event is an international exhibition inviting the scholars in arts and humanities at other foreign academies in Rome, an international city. The convener of the workshop, the first author, was Vasile Pârvan fellow at that time in Rome, on a topic about water, and volunteered to the "Spazi aperti" event, whose curator was Roxana Mihaly. Fellows from different academies contributed to the book. Participation was multidisciplinary, from geosciences to archeology, art history, architecture and urban and landscape planning. Participation was also international, from Romania, Italy, the USA, the UK and Germany. In 2018 the report was published, with support of the Marie Curie Alumni Association, which also supports participation to present the book at the EGU GA in 2019. Marie Curie Alumni contributed to the book.

Working on the report has been supported by two short term scientific missions in frame of the COST action TD1406 ("Intelligent management of heritage buildings"), both under the mentorship of Alex Dill, co-editor of the book, a conference stay in Karlsruhe funded by the Marie Curie Alumni Association and a mobility project of the Romanian science authority (PN-III-P1-1.1-MC2017-1334), all leading to Karlsruhe, Germany.

The book has also been presented at the Romanian Architecture Biennale 2018, an event in frame of the European Year of Cultural Heritage of the European Commission. The book has also been announced on platforms such as the Hungarian Academy of Sciences and CORDIS of the European Union (https://cordis.europa.eu/news/rcn/129019_de.html). A contact has been established to present also on the EGU blog.

The book contains an overview of the event (both the Spazi aperti exhibition and the workshop, including its webpage) and the abstracts of the presentations, along with images and the CVs of the presenters. The presentations include: symbols of water in the work of Carlo Scarpa, water as hazard in case of earthquakes, postwar riverfront reconstruction, water in the arts, waterways across Europe, water and archaeology (architecture and archaeology, Roman baths, virtual museums), water sketching, waterscapes, precipitation estimation, water and natural risks in smart cities, pastoralism and water, new forms of water in landscape. The countries covered are in Europe and beyond (near East), including different countries in Europe than those of the authors (such as Denmark and the Balkans for example).

The contributions display the dual character of water, between hazard (geoscience) and heritage (arts), and thus link to previous contributions of the first author to the EGU, co(convening) since 2002 the session on natural hazards' impact on urban areas and infrastructure. This is the last of a series of publications related to EGU events presented here.



Contents

Acknowledgements

Dr. Dipl.-Ing. Maria Bostenaru Dan, Akademischer Oberrat Dipl.-Ing.

Alex Dill

Theme

Dr. Dipl.-Ing. Maria Bostenaru Dan, Akademischer Oberrat Dipl.-Ing.

Alex Dill

Workshop organisation

Maria Bostenaru Dan, Alex Dill

Spazi aperti

Roxana Mihaly

EGU Topical Event Summary: Workshop "Water As Hazard And Water As Heritage"

Maria Bostenaru Dan

Heritage & Water: Symbols and Challenges in the Works of Carlo Scarpa

Maria Beatrice Andreucci

Water as Hazard – A Case Scenario of Groundwater Radionuclide

Pollution in Cernavodă Area, Due to the Effects of Earthquakes

Mirela Adriana Anghelache, H Mitrofan, F Chitea, and N Cadicheanu

Back to the Waterfront: Urban Post-War Reconstruction and Waterside Development in Belgrade and Beirut

Gruia Bădescu

How Water is Represented in Arts, and Especially in Newer Media such as Photography and Digital Media

Ciprian Buzilă

Waterways as Carriers of Art and Repositories of Heritage

Daniela Calciu

Water and Roman Archaeology: The Project

Oana Diaconescu

Roman Baths

Anca Cezarina Fulger

Sketchbooks from Rome

Mark Kelly

Migration in Waterscapes: From Royal Model to New-Scapes in Copenhagen

Marina Mihaila, Cristian Banica

The Weather Radar Approach for Rain Precipitation Estimation in Urban Areas

Mario Montopoli

Smartness, Technologies and Natural Risks

Beniamino Murgante

TRA_MED – Mediterranean Transhumances Immigrants shepherds in Mediterranean pastoralism

Michele Nori

Villa Gamberaia and the Parterre D'eau of Princess Ghyka (1896-1925): Water as Heritage in a Potentially Hazardous Environment

Patricia Osmond

Virtual Museum of the Tiber Valley

Eva Pietroni

Urban Pastoralism - Spontaneous Large Scale Phenomenon

Roxana Triboi