

Workshop organisation

Maria Bostenaru Dan¹, Alex Dill²

¹ *Vasile Pârvan alumna, Accademia di Romania a Roma, Italien*

² *Karlsruhe Institute for Technology, Karlsruhe, Germany*

Venue

Accademia di Romania a Roma

Piazza Jose de San Martin 1

00197 Rome

ITALY

<http://www.accadromania.it/>

<https://sites.google.com/site/egutopicalevent/>

Contact

Organizer of the workshop (awardee of the EGU topical event)

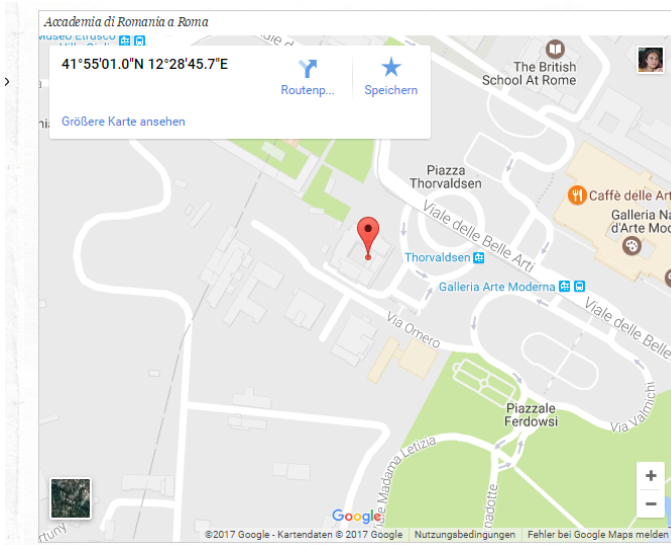
Dr. Dipl.-Ing. Maria BOSTENARU-DAN

Vasile Pârvan fellow at Accademia di Romania a Roma

email: Maria.Bostenaru-Dan@alumni.uni-karlsruhe.de

phone: 0040 771 225139 (Romanian number)

Water as hazard and water as heritage



Committees

Organising committee

Dr. Maria Bostenaru-Dan (RO-IT) – convener

Dr. Roxana Mihaly (RO-IT) – posters

Dr. Eva Pietroni (IT) - guided visit

Ciprian Buzilă (USA) - guided visits

Programme committee

Dr. Maria Bostenaru Dan (RO-IT)

Prof. Dr. Cristina Olga Gociman (RO)

Oberakademischer Rat Alex Dill (DE)

Assoc. Prof. Dr. Cerasella Crăciun (RO)

Participants

1. Dr. Marie Beatrice Andreucci is adjunct professor at the Faculty of Architecture at Sapienza University in Rome, in environmental design.
2. Mirela Anghelache, geologist, is researcher at the Romanian Academy and Marie Curie alumna.
3. Dr. Gruia Bădescu, geographer, is lecturer at the University of Oxford. He obtained his doctorate at the University of Cambridge, UK.
4. Dr. Beatrice Brizuela is civil engineer and researcher at INGV (Istituto Nazionale Geofisica e Volcanologia), Rome. She holds a doctorate in solid earth physics from the University of Bologna.
5. Ciprian Buzilă, doctoral candidate at Brown university, USA, is Rome scholar alumnus and expert in the historical studies of monuments. He holds a master and two bachelor degrees in architecture and arts.

6. Dr. Daniela Calciu is an architect and assistant professor at the "Ion Mincu" University of Architecture and Urbanism, where she obtained her doctorate.
7. Dr. Oana Diaconescu is an architect and lecturer at the "Ion Mincu" university, with a joint doctorate from this university and the University of Genoa in Italy. She holds a master in Architecture and Archaeology from Rome.
8. Mark Andrew Kelly is an architect and fellow of the British School in Rome in 2015. He obtained a bachelor's degree in Glasgow and a master's in Berkeley, USA.
9. Dr. Marina Mihăilă is an architect and lecturer at the "Ion Mincu" University of Architecture and Urbanism, where she obtained her doctorate.
10. Dr. Roxana Mihaly is a graduate in European relations and photography and former Vasile Pârvan Fellow at the Accademia di Romania a Roma, earning her doctorate from Sapienza University of Rome.
11. Dr. Mario Montopoli is a researcher at CNR-ISAC (National Research Council of Italy-Institute of Atmospheric Sciences and Climate) in Rome. He holds a doctorate in technologies for remote sensing from the University of Basilicata, Italy. He was a former Marie Curie fellow at the University of Cambridge (UK) in remote sensing of volcanic clouds.
12. Dr. Beniamino Murgante is professor for of urban planning at the University of Basilicata. He obtained his doctorate from the University of Pisa.
13. Dr. Michele Nori is Marie Curie Fellow at the European University Institute, Florence. He obtained a doctorate in rural sociology at the University of Wageningen, the Netherlands.
14. Dr. Patricia Osmond, historian, is Affiliate Assoc. Professor, Iowa State University, and former Resident Director of the ISU Rome Program. She is also Curator of the Archive and Fototeca at the Villa Gamberaia, Florence.
15. Roxana Triboi is a landscape architect and doctoral candidate at "Ion Mincu" University.

16. Dr. Maria Bostenaru Dan is an architectural engineer from the University of Karlsruhe, Germany, Fellow of the Romanian Academy in Rome and Marie Curie alumna; she received her doctorate from "Ion Mincu" University.

Questions discussed

1. Mapping and assessment methods of the impact of water related hazards on urban areas (prevention and post-disaster)
2. Techniques to visualize and communicate the evaluated impact, including GIS, internet, 3D.
3. Strategies to reduce the impact of water related hazards on urban areas.
4. Suitable methods of urban design to mitigate the effects of disasters in multi-hazard cases.
5. Partnership models between the actors involved in the decision process to mitigate disasters.
6. Urban planning instruments for strategies of risk management (ex. master plans)
7. Lessons learned about the relationship between hazard, vulnerability and impact on recent events.
8. Investigation of urban morphology for a better estimate of urban vulnerability (building site interactions)
9. Investigation of urban morphology to evaluate the post-disaster accessibility of strategic buildings, the role of street patterns for emergency vehicles.
10. Models to quantify vulnerability through questionnaires - the role of statistics.
11. Interactions between urban sub-systems which may increase/diminish vulnerability.
12. The difference between approaching the impact in protected urban areas as compared to normal areas.

13. Preserving the memory in the reconstruction/reconfiguration efforts after disasters, the role of heritage habitat.
14. Water as a vulnerable habitat for different life forms.
15. Flood protection through landscape planning interventions.
16. Bringing cities to the river or far from the river.
17. The role of water in gardens - from beauty to ecological questions.
18. Water in architecture - the relationship of the built shape to water, for example in thermal baths.
19. Water as source of renewable energy.
20. How water is represented in arts, and especially in newer media such as photography and digital media (see also excursion). What do phototeques offer on past hazard events and heritage approaches?
21. Oriental and European approaches to the semantics of the element (see excursion).

Programme

Day 1 - 13 June 2016

9:00-9:30	Administrative matters
9:30-13:00	Presentations (20 min each). Moderator: Maria Bostenaru Maria Bostenaru (Accademia di Romania a Roma): Introduction to the topic Anca Cezarina Fulger (Accademia di Romania a Roma): Water in the Roman Emporium: typology and structure Oana Diaconescu ("Ion Mincu" University of Architecture and Urbanism, Bucharest): Water and Roman Archaeology

Daniela Calciu ("Ion Mincu" University of Architecture and Urbanism, Bucharest): Waterways as carriers of art and repositories of heritage

Patricia Osmond (Iowa State University): Villa Gamberaia and the *parterre d'eau* of Princess Ghyka (1896-1925): water as heritage in a potentially hazardous environment

11:30 - 11:45 Coffee break

M. Beatrice Andreucci (Sapienza University of Rome): Heritage and Water. Symbols and Challenges in the works of Carlo Scarpa.

Gruia Bădescu (University of Oxford): Back to the Waterfront: Urban Post-War Reconstruction and Waterside Development in Belgrade and Beirut

Marina Mihăilă, Cristian Bănică ("Ion Mincu" University of Architecture and Urbanism and Centre for Studies of Contemporary Architecture, Bucharest): Migration in water-scapes: from royal model to new-scapes in Copenhagen (Abstract at the end of the page)

Mario Montopoli (National Research Council of Italy-Institute of Atmospheric Sciences and Climate): A weather radar approach for rain precipitation estimation in urban areas

Beniamino Murgante (University of Basilicata, Potenza): Smartness, technologies and natural risks.

- 13:00-15:00 Break
- Guide: Roxana Mihaly
- Posters (Marina Mihăilă, Roxana Triboi, Oana Diaconescu, Mirela Adriana Anghelache, Mark Kelly - British School of Rome)
- Visit of Spazi Aperti exhibition at the Accademia di Romania a Roma
- 15:00-16:00 Discussion - Science café. Moderation: Ciprian Buzilă
- Mirela Anghelache (Romanian Academy), Anca Cezarina Fulger (Accademia di Romania a Roma), Roxana Triboi ("Ion Mincu" University of Architecture and Urbanism), Ciprian Buzilă (Brown University).
- 16:00-17:00 Book launch of "Space and time visualisation" (editors Maria Bostenaru Dan and Cerasella Crăciun), Springer International, Switzerland, 2016.
- 17:00-18:00 Presentation of the visit to Villa Giulia. "Virtual Museum of Tiber valley" project presented by Eva Pietroni (National Research Council of Italy - Institute for technologies applied to cultural heritage) (Abstract at the end of the page)

Day 2 - 14 June 2016

- 9:30-13:00 Museum visits for water related approaches
- Spazi aperti exhibition of Accademia di Romania a Roma
 - Villa Giulia
 - Villa Borghese with the other academies
 - Terme di Diocleziano / Diocletian's Baths with water exhibition

Impressions




Figure 1: Group photo by Roxana Mihaly.



Figure 2: Introduction of the guided tour by Eva Pietroni. Photo: M. Bostenaru

Workshop summary: Water as hazard and water as heritage

Maria BOSTENARI DAN
 Vice President of Romania at ICAEW Europe
 Vice President of Romania at ICAEW Europe
 Vice President of Romania at ICAEW Europe



Abstract
 The workshop, titled "Water as hazard and water as heritage", was organized and moderated by Maria Bostenari Dan, Vice President of Romania at ICAEW Europe. The workshop was held on the 11th of November 2016, at the ICAEW Europe headquarters in London, UK. The workshop was attended by 15 participants from various countries, including Romania, Italy, and the UK. The workshop was organized to discuss the challenges of water as a hazard and water as a heritage, and to explore the role of water in the development of sustainable cities. The workshop was organized to discuss the challenges of water as a hazard and water as a heritage, and to explore the role of water in the development of sustainable cities. The workshop was organized to discuss the challenges of water as a hazard and water as a heritage, and to explore the role of water in the development of sustainable cities.

1. Introduction
 The workshop was organized to discuss the challenges of water as a hazard and water as a heritage, and to explore the role of water in the development of sustainable cities. The workshop was organized to discuss the challenges of water as a hazard and water as a heritage, and to explore the role of water in the development of sustainable cities. The workshop was organized to discuss the challenges of water as a hazard and water as a heritage, and to explore the role of water in the development of sustainable cities.

2. Water as a hazard
 Water as a hazard is a significant challenge for many cities, particularly in the context of climate change. The workshop discussed the challenges of water as a hazard, including flooding, drought, and water scarcity. The workshop discussed the challenges of water as a hazard, including flooding, drought, and water scarcity. The workshop discussed the challenges of water as a hazard, including flooding, drought, and water scarcity.

3. Water as a heritage
 Water as a heritage is a significant challenge for many cities, particularly in the context of climate change. The workshop discussed the challenges of water as a heritage, including the loss of water heritage sites and the impact of water on the environment. The workshop discussed the challenges of water as a heritage, including the loss of water heritage sites and the impact of water on the environment. The workshop discussed the challenges of water as a heritage, including the loss of water heritage sites and the impact of water on the environment.

4. The role of water in the development of sustainable cities
 The workshop discussed the role of water in the development of sustainable cities, including the importance of water in the development of sustainable cities. The workshop discussed the role of water in the development of sustainable cities, including the importance of water in the development of sustainable cities. The workshop discussed the role of water in the development of sustainable cities, including the importance of water in the development of sustainable cities.

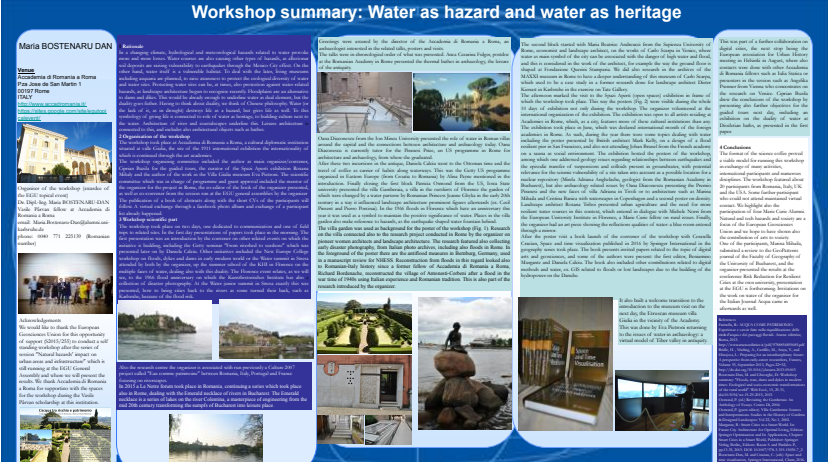


Figure 3: Poster at the EGU GA 2017

Media

- [1] Report on the event on the Le Notre website http://ln-institute.org/news/news_show_details.php?news_id=642
- [2] Presentation at the RRRR (Risk Reduction for Resilient Cities) conference, Bucharest, 4-5 November 2016, with publication
- [3] Review by Marina Mihăilă in Geopatterns journal http://www.geodynamic.ro/assets/geo-patterns/volumes/v1.2_42-43.pdf
- [4] Presentation at the EGU GA 2017 <http://meetingorganizer.copernicus.org/EGU2017/EGU2017-191-3.pdf>
- [5] Presentation of the book at the EGU GA 2017 <http://meetingorganizer.copernicus.org/EGU2017/session/26228>