

3<sup>rd</sup> DISASTER RISK REDUCTION Conference, 2017

WARSAW, POLAND

CONFERENCE DAY 01: THURSDAY, OCTOBER 12, 2017

LOCATION: CENTRUM KONFERENCYJNE KOPERNIKA, Kopernika 30, Warsaw  
CONFERENCE ROOM 'SALA BALOWA KSIĘŻYCOWA'

8:00 am to 2:00 pm	REGISTRATION & CHECK-IN PROCEDURE EXHIBIT TABLES & POSTER INSTALLATION
8:45 am to 9:00	Morning Coffee

WELCOME REMARKS & OPENING LECTURE  
Co-Chairpersons: Dorota Rucińska and Artur Magnuszewski

9:00 am to 9:15 am	<b>Opening Ceremony</b>
9:15 am to 9:30 am	Łukasz RÓŻYCKI First Secretary, Permanent Mission of the Republic of Poland to the UN Office at Geneva <b>Video conference: <i>Institutions and fora for cooperation in disaster risk reduction within the framework of the United Nations</i></b>
9:30 am to 10:15 am	José Manuel PALMA-OLIVEIRA Environment Psychology and Risk Perception and Management, University of Lisbon, Portugal <b>Keynote: <i>Predicting Community Resilience in a Changing climate and in a Disaster Prone World</i></b>

PSYCHOLOGICAL PANEL:  
Psychological consequences of catastrophes  
Posttraumatic disorders: Organizational support, therapy, prevention

10:15 am to 11:00 am	Agnieszka POPIEL SWPS University of Social Sciences and Humanities, Warsaw <b>Topic: <i>Symptoms of posttraumatic disorders and their dynamics in time: The role of organizational and psychological support</i></b>
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	<p>Bogdan ZAWADZKI Faculty of Psychology, University of Warsaw, Poland <b>Topic: <i>Posttraumatic disorders: The efficacy of prevention programs</i></b></p>
	<p>Ewa PRAGŁOWSKA SWPS University of Social Sciences and Humanities, Warsaw <b>Topic: <i>Polish program of prevention of posttraumatic disorders in firefighters: Preliminary results</i></b></p>
11:00 am to 11:15 am	Discussion
11:15 am to 11:30 am	Coffee Break

**SESSION 01: RISK REDUCTION AND MANAGEMENT**  
**Co-Chairpersons: Kazimierz Banasik and Piotr Werner**

11:30 am to 11:45 am	<p>Krzysztof MALESA Government Centre for Security in Poland <b>Presentation: <i>Risk management in government strategic documents</i></b></p>
11:45 am to 12:00 am	<p>Beata JANOWCZYK Department of Risk Assessment and Civil Planning Government Centre for Security in Poland <b>Presentation: <i>Conclusions and recommendations of the EC to the risk assessment process conducted in Poland</i></b></p>
12:00 am to 12:15 pm	<p>Anna PRĘDECKA Main School of Fire Service, Warsaw, Poland <b>Presentation: <i>Communication tools and susceptibility of fire-rescue units responding to natural hazards in Poland</i></b></p>
12:15 pm to 12:30 pm	<p>Paweł GROMEK Main School of Fire Service, Warsaw, Poland <b>Presentation: <i>Fire-rescue units response to natural hazards in Poland – two-dimensional emergency communication approach</i></b></p>
12:30 pm to 12:40 pm	Discussion

**SESSION 02: VULNERABILITY ASPECTS**  
**Co-Chairpersons: Dorota Rucińska and Ewa Smolska**

12:40 pm to 12:55 pm	<p>Sławomir WILK Institute of Sociology, University of Rzeszów, Poland <b>Presentation: <i>Social assistance system in the event of mishaps and natural disasters</i></b></p>
12:55 pm to 1:10 pm	<p>Karolina LISTWAN-FRANCZAK Jagiellonian University, Cracow, Poland <b>Presentation: <i>Rise communication as a part of flood risk management according to existing legislation</i></b></p>
1:10 pm to 1:25 pm	<p>Irena TSERMEGAS Faculty of Geography and Regional Studies, University of Warsaw, Poland <b>Presentation: <i>Natural hazards in ancient Greek myths: paleogeographic and contemporary context</i></b></p>
1:25 pm to 1:40 pm	<p>Mirosław KAMIŃSKI Polish Geological Institute – National Research Institute, Poland <b>Presentation: <i>Spatial analysis of the threat of mass movements of the cliff in Jastrzębia Góra (Northern part of Poland)</i></b></p>
1:40 pm to 1:50 pm	Discussion
1:50 pm to 2:35 pm	<b>LUNCH BREAK</b>
2:35 pm to 2:50	<b>POSTER SESSION</b>

**SESSION 03: HUMAN CONTEXT**  
**Co-Chairpersons: Sharon D. Moran and José Palma-Oliveira**

2:50 pm to 3:05 pm	Nehir VAROL Ankara University, Turkey <b>Presentation: <i>Vulnerable Groups in Disasters and Coping Mechanisms</i></b>
3:05 pm to 3:20 pm	Timur GULTEKIN Ankara University, Turkey <b>Presentation: <i>Human and Disasters from Past to Present in Anatolia: an Anthropological Perspective</i></b>
3:20 pm to 3:35 pm	Monika KACZAŁA Poznań University of Economics and Business, Poznań, Poland <b>Presentation: <i>Factors affecting farmers' drought and flood risk perception</i></b>
3:35 pm to 3:50 pm	Dorota RUCIŃSKA Faculty of Geography and Regional Studies, University of Warsaw, Poland <b>Presentation: <i>Ethical challenges in Disaster Risk Reduction</i></b>
3:50 pm to 4:00 pm	Discussion

**WORKSHOP**  
**Chairperson: Jorge Díaz**

4:00 pm to 6:00 pm	Jorge Angel DÍAZ TEJADA Instituto Tecnológico y de Estudios Superiores de Monterrey, Mexico <b><i>Underlying causes of Vulnerability and its impact on Disaster Risk Management</i></b>
5:50 pm	RESUME AND CLOSING: Sharon D. Moran and José Palma-Oliveira

## CONFERENCE DAY 02: FRIDAY, OCTOBER 13, 2017

LOCATION: CENTRUM KONFERENCYJNE KOPERNIKA, Kopernika 30, Warsaw  
CONFERENCE ROOM 'SALA BALOWA KSIĘŻYCOWA'

8:30 am to 14:00 am | REGISTRATION

8:55 am to 9:10 | Morning Coffee

### WELCOME REMARKS & OPENING LECTURE Co-Chairpersons: Artur Magnuszewski and Dorota Rucińska

9:10 am to 9:20 am | **Opening**

9:20 am to 10:10 am | Sharon D. MORAN

Associate Professor of Environmental Studies, State University of New York –  
Environmental Science and Forestry, Syracuse, New York, USA

**Keynote: *Defusing Disasters – Exploring Preparedness and Coastal Storm Warnings***

### SESSION 04: MEASURING AND ADAPTING FOR RISK MITIGATION Co-Chairpersons: Artur Magnuszewski and Dorota Rucińska

10:10 am to 10:25 am | Jie-Ying WU

University of Taipei, Taiwan

**Presentation: *The Effectiveness of Urban Flood Mitigation: Applying Low Impact Development Concept in land uses in Taiwan***

10:25 am to 10:40 am | Rajesh Kumar ABHAY

Dyal Singh College, University of Delhi, India

**Video conference: *An analysis of indicators for measuring land resilience in agricultural landscape: a case study from northern Odisha, India***

10:40 am to 10:55 am | Agnieszka DUDZIŃSKA-JARMOLIŃSKA

Faculty of Geography and Regional Studies, University of Warsaw, Poland

**Presentation: *Adapting modern urban spaces to the negative consequences of natural disasters: the floods***

10:55 am to 11:10 am	Grzegorz DUMIENSKI Institute of Meteorology and Water Management – National Research Institute; <b>Presentation: <i>The measurement of the adaptive capacity of the social-ecological system towards flood hazard</i></b>
11:10 am to 11:25 am	Marek W. JASKÓLSKI University of Wrocław, Poland <b>Presentation: <i>Index based method for heritage vulnerability assessment in case of storm surge – study of UNESCO Candidate Hershel Island, Canada</i></b>
11:25 am to 11:35 am	Discussion
11:35 am to 11:50 am	Coffee Break

**SESSION 05: CLIMATE: URBAN AND RURAL AREA**  
Co-Chairpersons: Jorge Díaz and Stanisław Lewiński

11:50 am to 12:05 pm	Elwira ŻMUDZKA, Krzysztof PIASECKI Faculty of Geography and Regional Studies, University of Warsaw, Poland <b>Presentation: <i>Severe storms as example of natural hazard on urban area – case studies on area of Warsaw, Poland</i></b>
12:05 pm to 12:20 pm	Rafael GONÇALVES SANTOS Institute of Geography and Spatial Planning, University of Lisbon, Portugal <b>Presentation: <i>The Impact of Land-Use and Land-Cover Changes on Urban Climate of the City of São Paulo</i></b>
12:20 pm to 12:35 pm	Krzysztof JARZYNA Institute of Geography, Jan Kochanowski University in Kielce, Poland <b>Presentation: <i>Hot and cold weather extremes – urban-rural differences of thermal stress in the Świętokrzyskie region over 2009-2016 period</i></b>
12:35 pm to 12:50 pm	Mirosław GROCHOWSKI, Sylwia DUDEK-MANIKOWSKA Faculty of Geography and Regional Studies, University of Warsaw, Poland <b>Presentation: <i>Planning for Urban Resilience: Governance Approaches to Natural Hazards</i></b>

12:50 pm to 1:05 pm	<p>Kamil LEZIAK Faculty of Geography and Regional Studies, University of Warsaw, Poland</p> <p><b>Presentation: <i>The influence of horizontal atmospheric circulation on convection and on convection-dependent severe weather phenomena over Poland</i></b></p>
1:05 pm to 1:20 pm	<p>Anna BARCZ, Kamil BEMBNISTA Institute of Literary Research, Polish Academy of Sciences, Warsaw, Poland Leibniz Institute for Research on Society and Space, Erkner/Berlin</p> <p><b>Presentation: <i>Cultural Constructions of Floods and Climate Change in Poland and Germany. Literary, Media and Agents Knowledge in Odra River Regions</i></b></p>
1:20 pm to 1:30 pm	Discussion

**SESSION 06: HYDROLOGICAL ASPECTS**  
**Co-Chairpersons: Sharon D. Moran and Renata Romanowicz**

1:30 pm to 1:45 pm	<p>Piotr KUSZTAL Institute of Geography, Jan Kochanowski University in Kielce, Poland</p> <p><b>Presentation: <i>Anthropogenic flash floods on rivers of Holy Cross Mts. region in 20th c. – origin and effects</i></b></p>
1:45 pm to 2:00 pm	<p>Paweł FRAN CZAK Jagiellonian University, Cracow, Poland</p> <p><b>Presentation: <i>Flash flood hazard in small towns of the Sudety Foothills in 2010-2016</i></b></p>
2:00 pm to 2:15 pm	<p>Krzysztof JARZYNA Institute of Geography, The Jan Kochanowski University in Kielce, Poland</p> <p><b>Presentation: <i>Spatial and temporal distribution of damages caused by heavy rainfalls in the Świętokrzyskie Province (Voivodship) – 2013 case study</i></b></p>
2:15 pm to 2:30 pm	<p>Abhay Shankar PRASAD Department of Geography, Delhi School of Economics, University of Delhi, India</p> <p><b>Presentation: <i>Ecological Challenges and Extreme Climatic Events Assessment for Disaster Risk Reduction in High Altitude Region of Himalaya Ecosystem: A Case Study of Alaknanda River Basin, Uttarakhand, India</i></b></p>

2:30 pm to 2:45 pm	Maciej LENARTOWICZ Faculty of Geography and Regional Studies, University of Warsaw, Poland <b>Presentation: <i>Map of the contemporary hydrological hazards in the city of Warsaw</i></b>
2:45 pm to 2:55 pm	Discussion
2:55 pm to 3:45 pm	<b>LUNCH BREAK</b>
3:45 pm to 4:00 pm	<b>POSTER SESSION</b>

**SESSION 07: DATA MODELLING**  
**Co-Chairpersons: Stanisław Lewiński and Artur Magnuszewski**

4:00 pm to 4:15 pm	Ewelina SIWIEC Institute of Environmental Protection – National Research Institute, Warsaw, Poland <b>Presentation: <i>Extreme events results ' estimation based on Polish method and Post-Disaster Needs Assessment PDNA</i></b>
4:15 pm to 4:30 pm	Beata WEINTRIT Astri Polska Sp. z o.o., Warsaw, Poland <b>Presentation: <i>Feasibility study of flood risk monitoring based on optical satellite data</i></b>
4:30 pm to 4:45 pm	Halina KOWALEWSKA-KALKOWSKA Faculty of Geosciences, University of Szczecin, Poland <b>Presentation: <i>The high resolution PM3D model for flood risk management along the southern Baltic coast</i></b>
4:45 pm to 5:00 pm	Renata J. ROMANOWICZ, Joanna DOROSZKIEWICZ Institute of Geophysics, Polish Academy of Sciences, Poland <b>Presentation: <i>Flood risk projection in the 21 st century– the Biala Tarnowska case study</i></b>
5:00 pm to 5:10 pm	Discussion

**SUMMARY OF CONFERENCE CONCLUSIONS & RECOMMENDATIONS  
RESULTS OF COMPETITION FOR THE BEST SCIENTIFIC POSTER**

5:10 pm to 5:30 pm

RESUME: Jorge Díaz and Sharon D. Moran

5:30 pm to 5:45 pm

CLOSING