

**RIMMA - Interdisciplinary CODATA Workshop on  
RISK Information Management, Risk Models and Applications  
Berlin, Germany, June 27-28, 2016**

1  
2016-04-21

# Program

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**Monday, June 27, 2016**

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**from 8:30**

Registration of Participants

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**Session 1  
9:30 – 10:30**

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**Horst Kremers, Alberto Susini**

Welcome And Introduction to The CODATA Risk Information Management, Risk Models And Applications Workshop

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**Marieke Van Erp and Piek Vossen**

VU University Amsterdam

Amsterdam

Netherlands

Deep Reading For Desasters

*Natural Language Processing, Semantic Web, Deep Reading, Knowledge-To-Data, Knowledge Representation*

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**Horst Kremers**

CODATA-Germany

Berlin

Germany

Risk Information and the Implementation of the UN Sendai Framework

*Risk Information Models, Interoperability, Standards Development, Risk Information Processes Modelling, Services And Service Composition, Risk-Related Information Sources, Risk and Risk-Model Change in Time and Space, Risk Modeling Issues for Infrastructure, Disaster Management and Emergency Preparedness, Prevention, Alert, Response and Mitigation, Health and Biological Risks, Decision-Making*

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**Coffee Break  
10:30 – 10:45**

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**Session 2  
10:45 – 12:00**

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**Marie Lacroix**

Université Pierre et Marie  
Curie - 1Spatial

Paris

France

Dealing With The Creation Of An Artificial Intelligence Tool Taking The Underground Network Uncertainties And Regulations Into Account

*Risks Cartography, Uncertainty, Security Area, Urban Networks, Artificial Intelligence Tool*

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**Alberto Susini** DGfK RKS-Kommission Versoix Switzerland

Automatic Calculation Of Collective Risks Versus Individual Risks In Cartographic Risk Registers

*Individual Risk Calculations, Collective Risk Calculations, Risk Mapping*

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**Yılmaz Uyaroğlu, Selçuk Emiroğlu,  
Mehmet Ali Yalçın** Sakarya University Sakarya Turkey

Chaos Control Of Chaotic Cancer Model Using Feedback Control

*Cancer Model, Chaos Control, Feedback Control, Simple Tumor Growth Model*

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**Lunch Break**  
11:30 – 13:00

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**Session 3**  
13:00 – 14:30

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**Martin Nayembil, Susan Loughlin,  
Melanie Duncan** British Geological Survey Keyworth/  
Edinburgh' United Kingdom of  
Great Britain and  
Northern Ireland

Developing An Integrated And Interdisciplinary Information Platform For Volcanic Hazard And Risk Data

*Volcanoes, Databases, Standardization, Vocabularies, Relational, Platform, Interdisciplinary*

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**Abhisek Chakrabarty, Subhra Prakash  
Mandal** Vidyasagar University Midnapore West  
Bengal,  
India

Flash Flood Risk Assessment For Upper Teesta River Basin - Using The Hydrological Modeling System (Hec-Hms) Software

*HEC-HMS Software, Teesta River Valley, CN Grid, Peak Discharge Hydrograph, Flash Flood Simulation Model*

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**Alexandre Oliveira Tavares, José  
Leandro Barros, Susana Freiria and  
Pedro Pinto Dos Santos** Department of Earth  
Sciences and Centre for  
Social Studies - Univ. of  
Coimbra Coimbra Portugal

Territorial Risk Management And The Impact On Mobility

*Flood, Risk Management, Mobility*

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**Ali Rehmat**

Hussaini Organization for Local  
Development (HOLD)

Pakistan

Glacier Advancement Hazard And An Alternative Solution For Drinking And  
Irrigation Water For The Mountain Community Through GIS Technology

*Glacial Hazard, Global Positioning System, Climate Change and Shortage of Water*

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**Coffee Break  
14:30 – 15:00**

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**Session 4  
15:00 – 17:00**

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**Diana Dushkova**

Lomonosov Moscow State  
University

Moscow

Russia

Indigenous Population of the Russian Arctic at Risk: Environmental Hazards,  
People's Vulnerability and Coping Strategies

*Social Vulnerability, Indigenous People, Environmental Hazards, Health Risk, the Russian Arctic*

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**Piyooosh Rautela**

Disaster Mitigation and  
Management Centre

Uttarakhand

India

Earthquake Risk Assessment Around Nainital in Uttarakhand Himalaya, India

*Seismic vulnerability, Damageability, Building performance, Slope instability, Vulnerability analysis*

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**Mario Brkic, Eugen Vujic, Nikol Radovic,  
Dario Matika and Tomislav Basic**

University of Zagreb -  
Faculty of Geodesy

Zagreb

Croatia

Geomagnetic Information Risk Revisited: A Case Study of Croatia

*Geomagnetic Information Risk, Geomagnetic Information Model, Geomagnetic Information Map*

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**Vaclav Talhofer,  
Šárka Hošková-Mayerová**

Dep. of Mathematics and  
Phys., University of Defence

Brno

Czech Rep.

Digital Geographic Data Processing Related to Risk Management

*Geography, Meteorology, GIS (Geographic Information System), CCM (Cross-Country Movement),  
Modelling and Simulation, Risk management*

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**Paata Kervalishvili**

Georgian Technical  
University

Tbilisi

Georgia

New IT Approach Based Landslide Monitoring Systems And Networks

*Sensory System, Sensing Network, Landslide Monitoring, Natural Disaster, Quantum Algorithms*

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**From 19:30**

Evening Meeting Downtown Berlin

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**Tuesday, June 28, 2016**

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**Session 5  
09:00 – 10:00**

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**Monika Jarosch** University of Siegen Siegen Germany

Combining Aspects of the Sendai-Framework with Participatory Aspects of Risk Information Management

*Sendai Framework, Disaster, Risk, Data Availability, Open-Access, Open-Source, Sharing, Information Management, Social Media, Facebook, Content Management*

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**Roman Peperhove, Agnetha Schuchardt** Freie Universität Berlin Germany

Coordination of Unaffiliated Helpers in Disaster Management

*Disaster Management, Risk Communication, Unaffiliated Volunteers, Scenario Development, Training Exercise*

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**Coffee Break  
10:00 – 10:15**

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**Session 6  
10:15 – 12:00**

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**Uwe Jasnoch** Hexagon Safety & Infrastructure Ismaning Germany

Planning and Responding in Special Situations

*Supporting Special Situations, Response, Presentation, Common Operational Picture*

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**Tobias Pardowitz, Martin Göber** Hans-Ertel-Centre For Weather Research and Freie Universität Berlin Germany

Forecasting Weather Related Fire Brigade Operations on The Basis of Nowcasting Data

*Thunderstorm, Weather Impacts, Disaster-Risks, Risk-Based Warnings*

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**Giovanni Pisapia**

ITSTIME – Italian Team for Security, Terroristic Issues & Managing Emergencies  
Milan Italy

Planning Security Measures for Major Sport Events' Transport System: A Practical Risk-Based Methodology

*Security, Detect, Deter, Deny, Mitigate, Threat Analysis, Improvised Explosive Device, Terrorism, Risk Assessment, Transport System, Traffic Management*

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**12:15 – 13:45  
Lunch Break**

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**Session 7  
13:45 – 14:30**

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**Silvio Barbieri, Emmanuel Fragniere,  
Pedro Miguel Moreira**

University of Applied Sciences Western Switzerland  
Switzerland

Risk Management Modeling for Service Experiences Based on a Methodology Combining Service Blueprinting and Sociogram

*Human Risk Management, Service Blueprinting, Sociogram, Social Interactions And Behavior*

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**Alaa Hamdon**

University of Aberdeen Aberdeen United Kingdom of Great Britain and Northern Ireland

Risk Management of Historical Tower at Mosul City in Northern Iraq

*Risk Management, Karstification, Mosul-Iraq, Historical Tower, Geo-Technique*

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**Evgeny Krasnov, Galina Barinova,  
Anna Romanchuk**

Immanuel Kant Baltic Federal State University of Russia  
Kaliningrad Russia

Types of Environmental and Human Health Risks in Kaliningrad Region

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**Coffee Break  
14:30 – 15:00**

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**Session 8  
15:00 – 16:15**

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**Horst Kremers** CODATA-Germany Berlin Germany  
Business Process Notation and Modeling for Complex Cross-Organizational  
Time-Critical Management  
*OGC Service Architectures, Orchestration, Geoprocessing, Web Services Business Process  
Execution Language, Cross-Organizational Time-Critical Management*

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**Ernst-Peter Döbbling** Furtwangen University Furtwangen Germany  
International Standardization in the Field of Emergency Preparedness and  
Response  
*International Standardization, Disaster Management, Resilience, Emergency Preparedness And  
Response*

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**Melanie Gall, Susan L. Cutter** University of South Carolina, Columbia, U.S.A.  
Hazards and Vulnerability Research Institute SC  
Disaster Loss Data in the United States  
*Disaster, Loss, Impacts, Estimation, Loss Database*

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**Coffee Break  
16:15 – 16:30**

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**Session 9  
16:30 – 17:15**

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**All Participants**

Open Forum Session.  
Strategic Aspects of R&D Demand in Risk Information Management, Risk Models  
and Applications

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**Horst Kremers**

RIMMA Symposium Summary and Perspectives, Recommendations

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*Program may be subject to change without notice*

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