

**RIMMA - Interdisciplinary CODATA Workshop on  
RISK Information Management, Risk Models and Applications  
Berlin, Germany, November 17/18, 2014**

1  
2014-10-26

# Program

---

**Monday, November 17, 2014**

**Rapporteur:  
Alberto Susini**

---

**from 8:30**

registration of participants

---

**Session 1**

**9:30 – 11:15**

---

**Horst Kremers, Alberto Susini**

Welcome and Introduction to the CODATA Risk Information Management,  
Risk Models and Applications Workshop

---

**Heidi Kreibich**

German Research Centre for Geosciences GFZ    Potsdam    Germany

Costing Natural Hazards

*invited Keynote*

---

**Alexandra Bowkun  
and Viktor Putrenko**

WDC NTUU "KPI"    Kiew    Ukraine

Spatial Modeling of the Risks of Accidents in the Power System of Ukraine

---

**Emil Bayramov  
and Manfred Buchroithner**

Technical University    Dresden    Germany

Quantitative Prediction of Soil Erosion Risks Along Oil and Gas Pipelines  
Using USLE and MMF Models

*MMF, USLE, BTC, SCP, Soil loss, GIS, Erosion*

---

**Washington Okori**

Uganda Technology and Management University    Uganda

Integrated Risk Components in Data Modeling for Risk Databases

*Data Model, Disaster, Integration, Risk Database, Risk Model*

---

**Lunch Break**

**11:30 – 13:00**

---

# Program

---

## Session 2

13:00 – 14:30

---

**Alberto Susini**

Geneva

Switzerland

Risk Analysis Framework and Modelling Issues of Accidental Drones  
Aircrash

---

**Hektor Babayan and  
Armen Chilingaryan**

Institute of Geological  
Sciences

Yerevan

Armenia

Deterministic Risk Assessment (city scenario) for Armenian cities  
*Earthquake, hazard, risk*

---

**Axel Sauer  
and Robert Hecht**

Leibniz-Institute of  
Ecological Urban and  
Regional Development

Dresden

Germany

Mapping Heat Risks: Using Small-Scale Settlement Structure Information  
for a Heat-Related Health Risks Assessment

*Buildings, Geographical Information Systems (GIS), Health Risk Assessment, PET,  
Population Density, RayMan, Settlement Structure Analysis, Thermal Stress*

---

**Angela Santos, Susana Mendes,  
Antonio Emidio and Joao Corte-Real**

Centre for Geographical  
Studies

Portugal

Impacts of Storm Hercules in Southwestern Europe

*Hercules storm, Long waves disturbances, Meteotsunami, Preparedness*

---

14:30 – 15:15

**Coffee Break**

---

# Program

---

## Session 3

15:15 – 17:00

---

**Marco Neubert**

Leibniz Institute of  
Ecological Urban and  
Regional Development

Dresden

Germany

High Resolution Modelling of Damage to Buildings caused by Urban  
Sewer Floods during a Heavy Rain Event using IVART

*Spatial analysis, GIS, flooding, heavy rain, building damage*

---

**Maria Nawieśniak, Mateusz  
Strutyński and Józef Hernik**

Uniwersytet Rolniczy w  
Krakowie

Cracow

Poland

Flood Risks Managment in the Area of Upper Vistula Catchment (Poland)

*flood risk, flood protection, analyzes flood*

---

**Kristin Vogel, Frank Scherbaum**

University of Potsdam

Potsdam

Germany

Using Bayesian Networks for Uncertainty Communication in Natural  
Hazard and Risk Assessments

*natural hazards, Bayesian networks, uncertainty, flood situations*

---

**Juergen Rusch**

DHI-WASY GmbH

Berlin

Germany

Disaster Risk Mitigation - Impact of Climate Scenarios for Urban Waste  
Water

---

---

---

**Meeting Downtown Berlin from 19:30**

# Program

---

**Tuesday, November 18, 2014**

---

**Session 4  
08:30 – 9:00**

---

**Victoria Bakhtina**

IFC, World Bank Group,  
Corporate Risk  
Management

Washington U.S.A.  
D.C.

Portfolio Screening - An Integrated Quality Assessment of Key Portfolio  
Information

*Portfolio Information, Credit Risk, Financial Information, Screening*

---

**Claude Gangolf, Robert Dochow,  
Günter Schmidt, Thomas Tamisier**

CRP Gabriel Lippmann

Luxembourg Luxembourg

Automated Credit Rating Prediction and the Treatment of Information

*Automated Credit Rating Prediction, Risk Information, Credit Risk*

---

**Session 5  
09:00 – 10:50**

---

**Barbara Theilen-Willige**

TU Berlin, Institute of  
Applied Geosciences

Berlin Germany

Contribution of Remote Sensing and GIS Methods to the Detection of  
Areas Exposed to Flooding in the Coastal Zones of Northern-Algeria

*Remote Sensing, GIS, Flooding Hazards, Northern Algeria*

---

**Angela Santos  
and Shunichi Koshimura**

International Research  
Institute of Disaster  
Science

Japan

The Impact of the 1755 Lisbon Tsunami in Portugal: Historical Review

*1755 Lisbon Tsunami, historical accounts, fatalities and damage*

---

# Program

---

**Alexandre Oliveira Tavares, Ângela Santos, José Leandro Barros and António Emídio**      Centre for Social Studies and Department of Earth Sciences, University of Coimbra      Coimbra      Portugal

Tsunami Vulnerability on Two Portuguese Coastal Areas: A Multidimensional Approach

*Tsunami, Vulnerability, Multidimensional, Cartography, Modeling*

---

**Pedro Pinto Dos Santos, Alexandre Oliveira Tavares, André B. Fortunato, Ana Rilo and Paula Freire**      Centre for Social Studies and Department of Earth Sciences, University of Coimbra      Coimbra      Portugal

Assessment of Social Vulnerability in an Estuarine Context

*social vulnerability, local scale, storm surge, Tagus river estuary, Principal Component Analysis*

---

**Overtoun Placido Mgemzulu**      UNICEF Nepal Office      Kathmandu      Nepal

Child Centred Risk Assessment for Integrated Risk Informed Planning

---

**10:50 – 11:20  
Coffee Break**

---

# Program

---

**Session 6**  
**11:20 – 12:40**

---

**Monika Jarosch** University of Siegen Siegen Germany  
Disaster-Cycle „Risks, Disaster, Security“- On the Participatory Aspect of  
Risk Information Management *invited Keynote*  
*Geotagging, Social Media, Collector App, ArcGIS App, Content Management, Information  
Management*

---

**Diana Dushkova** Moscow Russia  
**and Kathrin Hoerschelmann**  
Perception of Environmental Risk in Different European Cities  
*environmental risk perception, risk communication, European cities*

---

**Sebastian Hieberger** Hochschule für Technik und Wirtschaft (HTW), Berlin Germany  
**and Frank Fuchs-Kittowski** Berlin  
Cloud-Based Map Service for Mobile Risk Maps  
*Cloud Computing, Mobile, App, Risk Map, Flood Hazard*

---

**12:45 – 14:00**  
**Lunch Break**

---

**RIMMA - Interdisciplinary CODATA Workshop on  
RISK Information Management, Risk Models and Applications  
Berlin, Germany, November 17/18, 2014**

7  
2014-10-26

# Program

---

**Session 7**  
**14:00 – 15:30**

---

**Horst Kremers** CODATA-Germany Berlin Germany

**Risk Information Management Challenges for Operational Forces in  
Multidisciplinary Decision Processes**

*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, decisionmaking*

---

**Saskia Greiner, Mathias Schäkel,  
Henning Albers and Simon Gloede** Hochschule Bremen,  
Institut für Umwelt- und  
Biotechnik Bremen Germany

**Definition, Identification and Assessment of Process Risk information as  
Foundation for their Integration in Process Models**

*process risk, BPMN, risk-interdependency, risk-dependency, risk-promoter, risk-inhibitor*

---

**Anne Baumgrass, Mathias Weske** Hasso Plattner institute Potsdam Germany

**Event Processing for Risk Management**

*Complex Event Processing, Risk Management, Event Processing System,  
Event Aggregation and Correlation, Business Processes Monitoring*

---

**Stefanie Betz** KIT Karlsruhe Institute of  
Technology, Institute  
AIFB Karlsruhe Germany

**Risk Management and Business Process Management:  
How far have we come?**

*invited Keynote*

*Business Process Management, Risk Management, Approach, Modelling Languages*

---

**Philippe De Maeyer** Department of  
Geography,  
Ghent University Ghent Belgium

**Risk Calculation: Whatever the region, Data Gathering Remains Still the  
Most Difficult Part**

*Floods in Belgium, floods in Caribbean and poaching in Africa*

---

# Program

---

**Session 8**  
**15:30 – 16:45**

---

## **All Participants**

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

---

## **Horst Kremers**

RIMMA Symposium Summary and Perspectives, Recommendations

---

---

*Program may be subject to change without notice*

---