

**Interdisciplinary CODATA Workshop on
RISK Models and Applications, Berlin, Germany, August 26/27, 2010**

Program

Thursday, August 26, 2010

from 9:00

registration of participants

Session 1

10:00 – 12:00

Horst Kremers, Alberto Susini

Welcome and Introduction to the CODATA Risk Models and Applications Workshop

Alberto Susini

Use of Multirisk Mapping for Assessing the Collective and Individual Risks of Industries and Transport of Dangerous Goods

industrial hazards, risk mapping, chemical and biological risks

Diana Dushkova, Alexander Evseev

Russian North: Environmental and Human Health Risks Assessment

ecological risk, environment, human health, medical-ecological mapping, Russian North, ecology-connected morbidity

Robert Dixon-Gough, Krzysztof Gawronski, Józef Hernik

Catchment Processes and Drivers: The Anthropogenic Dimension

Water Catchments, Land Use Change, River Modifications, Run-off, Flood Risk, GIS, Modelling, Ontology

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12:00 – 13:30

Lunch Break

Session 2

13:30 – 15:00

Jie-Ying Wu

The Disaster Risk Evaluation System under Climate Change in Taiwan

Climate change, disaster risk evaluation system, fuzzy Delphi, fuzzy analytic hierarchy process, GIS

Mulyanto Darmawan, Suharto Widjojo, Ferrari Pinem, Sigit Purnomo

Forest Degradation Assessment in Kalimantan Tropical Rain Forest
Using Phenological And Geometrical Shape Analysis

Forest degradation, NDVI, Phenological and Geometrical Shape

G.Barinova, Yu.Koroleva, E. Krasnov

Indicative Modeling and Spatial Evaluation of Air Pollution Risk

indicative models, mosses, heavy metals, atmospheric precipitation

Jianping Yan

Disaster Risk Assessments: GRIP's solution for Public Sectors

15:00 – 15:30

Coffee Break

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Session 3

15:30 – 16:45

Carmen Diego Gonçalves, Antonio Possolo

Physical and Social Aspects of Seismic Risk

Earthquake, seismic risk, vulnerability, resilience, interdisciplinary, methods and techniques of data collect and analysis

Raushan Mamyrova, Bourdeau, C., H-B. Havenith, J. Stahlmann

Hazards Analyses on Loess Landslides

Victoria Bakhtina

Putting Europe in the Context of Sustainability Risk Framework

16:45 – 17:00

Coffee Break

17:00 – 18:00

Experts Discussion Roundtable

The Role of Indicators and Statistical Methods in Risk Models
Application

risk analysis, disaster reduction, statistics and indicators, information mining

18:15 – 20:30

Boat Tour on the Spree River

We leave by S-Bahn Station "Rathaus Steglitz" (dept. 18:20) to "Friedrichstrasse" (arr. 18.37), walk to embarkment "Friedrichstr./Reichstagsufer" (map will be provided) and enjoy a tour through the scenic center of Berlin from 19:00 to 20:30 (returning to the same place).

Public transport and boat tour cost are covered from the workshop, drinks and meals on the boat at participants' own expenses

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Friday, August 27, 2010

Session 4

09:00 – 10:30

Shih-Liang Chan

On the Vulnerability Assessment of Typhoon Disaster of the
Metropolitan Areas in Taiwan

vulnerability assessment, metropolitan areas, Sensitivity Model, Taiwan

Anandita Sengupta

Applying Consequence Modeling Scenarios to Factor Technological
Risk into Land Use Planning

*Hazardous Chemicals, Consequence Models, Hazard Footprint, Risk Scenario, Land
Use Planning Criteria, GIS*

José Manuel Mendes

The Heat Waves of 2003 in France and Portugal: The Role of Socio-
Technical Dispositives and Social Change

*2003 Heat Waves; Portugal; France; Comparative analysis; Technical dispositives;
Institutional and legal designs*

10:30 – 11:00

Coffee Break

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Session 5

11:00 – 13:00

Biswajeet Pradhan, Manfred F. Buchroithner

Manifestation of remote sensing and GIS data for landslide hazard and risk analyses using Weights-of-Evidence based geospatial model: Balik Pulau catchments area, Malaysia

Landslide; hazard; risk analysis; spatial modeling; remote sensing; GIS; Malaysia

Zbynek Sterba, Cenek Sasinka

Evaluation of Maps for Crisis Management in the Context of User's Cognitive Features

crisis management, cartographic symbology, evaluation of map, MUTEF, cognitive processes

Olga Ryabkova, Elena Cheshina

The Danger of Abrasion Along the Seacoasts of Kaliningrad Oblast

abrasion, shoreline, dismembering, sustainability, coastal, destruction, geomorphological risk

Krushna Sadan

Risk Prevention, Mitigation and Preparedness, Coastal Area Disaster Mitigation Efforts

Horst Kremers

Elements of RISK Communication

RISK Communication, Actor Situation, Decisionmaking, Strategy and Action Control, Archiving Communication Information, Standards, Multi-Cultural RISK Information.

13:00 – 14:00

Lunch Break

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Session 6

14:00 – 15:00

Alexandre O. Tavares, José M. Mendes, Eduardo Basto, Susana Freiria
Public Perception and Public Policies on Natural Hazards. The
Unconformities in the Portuguese Case

natural hazards, public policies, risk perception, legal instruments, national survey

Debanjan Bandyopadhyay

Integrating Technological Risk Modeling with Distributed Geo-
information System

*Hazardous Chemicals, Consequence Models, Hazard Footprint, Vulnerability,
Simulation, Geo-Database, Web-GIS*

15:00 – 15:30

Coffee Break

Session 7

15:30 – 17:00

Jianping Yan

Disaster Risk Modeling for Public Decision Making – Conceptual
Framework

Open Forum

Open Forum Session on R&D Demand in Risk Models and Applications

Horst Kremers

RMA Symposium Summary and Perspectives, Recommendations

Program may be subject to change without notice
