



Program

10:00 – 11:00 **Session 1**

Horst Kremers

Welcome and Introduction to the CODATA Risk Models and Applications Symposium

Ludovic BLAY

From Training Tools to Helping Tools in Crises Treatment

TARANIS, National Agency of the French Research, training in the crisis treatment, crises treatment, geographical information system, crisis cell system, decision-support

Yuri Gorokhovich, Anthony Leiserowitz

Vulnerability and Risk Modeling of Climate Change on Northwestern Coastal Communities of Alaska Using Physical and Social Indicators
climate change, vulnerability, risk modeling, GIS

11:00 – 11:20

Coffee Break

11:20 – 12:10 **Session 2**

Pascal Mallet

A RIS for Overall Management of the Major Risks of the Seine Estuary

Le Havre metropolitan area : CODAH, Seine estuary, major risks management, systemic approach, risk assessment, source-effect-target, multi-source data, Geographic Information System (GIS), population based model, SIBARIMAS, PRET-RESSE, prevention, mitigation, the partnership, the scientific research

Jan Studzinski

Problems of Risk Modeling by Computer Aided Management of Communal Waterworks

Decisions making systems, computer aided risk modelling, simulation and optimization of waterworks systems

12:10 – 13:30

Lunch Break



Program

13:30 – 14:45 Session 3

Alberto Susini

Use of the IAEA industrial risk prioritization method for the assessment of aircraft accident probability on industrial facilities by means of GIS Risk-Register, the examples of Geneva, "Geneva Risk".

Chemical risk assessment, classification and prioritization of chemical hazards (IAEA methodology), major hazard plants, geographic information system (GIS), cartographic representation on environmental safety and risk, land use planning, aircraft accidents, aircraft crash probability and consequence into hazardous facilities

Michel Nabaa, Cyrille Bertelle, Damien Olivier, Pascal Mallet

A Dynamic Vulnerability Map to Assess The Risk of Road Network Traffic Utilization

CODAH, dynamic vulnerability map, decision making, hazard, dynamic graph, communities detection, self organisation, GIS, traffic flow

Falk Huettmann

A Risk Model to Assess and Minimize Biodiversity and Ecological Service Loss in the Circumpolar Arctic Using Strategic Conservation Planning With MARXAN

Arctic, IPY, GIS, MARXAN, Optimization algorithms, Biodiversity, Ecological Services, MPAs (Marine Protected Areas)

14:45 – 15:15

Coffee Break

15:15 – 16:30 Session 4

B. Iakovlev, V. Grudova, O. Slyvynska

Using Loss Distribution Approach for Operational Risk and Stock Markets

Alexander Bilyi

New Vision of the Company's Strategic Management: Systematic Implementation of the Blue Ocean Strategy into the Balanced Scorecard System

Nikolay Chorniy, Andriy Buryak

Information – analytical system "Credit Scoring"



Program

A.O. Khvastunov

Estimating bank stability with the help of probit and logit models

Volodymyr Davydenko, Oleksandr Ryzhytskyi

Development of duration based system for estimation yield curve risk

16:30 – 17:00

Coffee Break

17:00 – 18:30 Session 5

Milan Konecny, Horst Kremers, Karel Stanek

RISK as a Specific CartoGraphic Model

Visualisation of Risk Parameters and Valuation of Effects

Horst Kremers

Risk Variability in Crisis Information Systems Structure

Context Change, Time Variation, Information System Structural Components, Risk Model Change, Actor-Specific Risks, Consequences for Decision Making and Action in Crisis Management

Stefanie Betz, Andreas Oberweis

A Process-Oriented Approach for Risk Management in Global Software Engineering Projects

Risk management, Software Development Process, Petri nets, Simulation, Global Software Development

Horst Kremers

RMA Symposium Summary and Perspectives, Recommendations
