

Announcement, Preliminary Program (ver. of May 4, 2011)

3rd iNTeg-Risk Conference: New Technologies & Emerging Risks

Annual Topic

Risk vs. Risk: Managing Emerging Risk-Benefit Tradeoffs in Complex Systems

June 7–8, 2011

Haus der Wirtschaft, Willi-Bleicher-Str. 19
70174 Stuttgart, Germany

www.integrisk.eu-vri.eu

NOTE: The Conference is taking place in conjunction and
sharing venue with SRA Europe Conference (June 6-8, 2011)



3rd iNTeg-Risk Conference Committee

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European Virtual Institute for Integrated Risk Management
Stuttgart 2011

In June 2011, Stuttgart will host the Third International iNTeg-Risk Project Conference. We expect 92 papers/presentations which is a respectable number for a single project conference, even if one talks about a project as large as iNTeg-Risk (the number of papers practically doubled since the 1st Conference). With great confidence and pleasure, we extend herewith the invitation to attend the

3rd iNTeg-Risk Conference:
New Technologies & Emerging Risks
with this year's annual topic
"Risk vs. Risk – Managing Emerging Risk-Benefit Tradeoffs
in Complex Systems"
Stuttgart June 7-8, 2011

As in the preceding years, the main purpose of the Conference is to provide a forum at which partners involved in the EU "flagship project" iNTeg-Risk ("Early Recognition, Monitoring and Integrated Management of Emerging, New Technology Related, Risks", www.integrisk.eu-vri.eu), will openly and thoroughly discuss the results obtained in the project, both among themselves and with all other interested parties. The Conference is also a unique opportunity for project partners to communicate their results to the "outside world" and an opportunity to those, not participating in the project, to learn about the project results such as iNTeg-Risk early warning system RiskEars, emerging risk mapping (RiskAtlas of iNTeg-Risk), emerging risk management framework (iNTeg-Risk ERMF), emerging risk communication, methods and tools for emerging risk analysis.

This year, the Conference will be focused on to the issues dealing with risk-risk tradeoffs, multiple and interconnected emerging risks of New Technologies. The Conference will be accompanied by 2 specialized workshops and will take place in conjunction with the SRA Europe Annual Meeting conference. This will be an additional opportunity for the entire risk community to share sessions on risk governance, communication, analysis and management and to enjoy the pleasant ambience of Haus der Wirtschaft in Stuttgart.

Last but not least, the Conference will take place in the 5th year of existence of EU-VRI what will be appropriately noted.

We are looking forward to welcoming you in Stuttgart.



*(A. Jovanovic, iNTeg-Risk Project
Coordinator, CEO EU-VRI)*



(O. Renn, President EU-VRI)



5 Founding members:



5 Honorary members:



5 main fields of activities in the area of sustainability, emerging risk and integrated risk management

- Project & services
- Products & tools
- Coordination & networking
- Support to EU harmonization & standardization
- R&D

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The 50 Members of EU-VRI in 2011

AXA - Group AXA, France
2B - Consuleza Ambientale, Italy
BAM - Bundesanstalt für Materialforschung und -prüfung, Germany
Blue Ocean - Internet Content Consulting & Software Solution GmbH, Switzerland
BMILP - Beijing Municipal Institute of Labor Protection, China
BZF - Bay Zoltán Foundation, Hungary
CEA - Commissariat à l'Energie Atomique, France
CEN - European committee for standardization, Belgium
CIOP - Central Institute for Labour Protection, Poland
CNR-IRC - Istituto di Ricerche sulla Combustione, Italy
CONPRICI - Consorzio Interuniversitario per la Prevenzione e la Protezione dai Rischi Chimico-Industriali, Italy
CrisisTox Consult, The Netherlands
D'Appolonia S.p.A., Italy
Demokritos - National Center for Scientific Research, Greece
DIN - Deutsches Institut fuer Normung e.v., Germany
DNV - Det Norske Veritas AS, Norway
DTU - Danish Technical University (Risoe National Laboratory), Denmark
EDF - Electricité de France, France
EKON Modeling Software Systems Ltd. Israel
ELITE Foundation, Germany
Erasmus University Rotterdam, Netherlands
Expert System SpA, Italy
Fraunhofer-Institut für Optronik, Systemtechnik und Bildauswertung, Germany IONB
INCDPM - Institute on Occupational Safety, Romania
INERIS - Institut National de l'Environnement Industriel et des Risques, France
STW - Steinbeis GmbH & Co. KG für Technologietransfer, Germany
IRGC - International Risk Governance Council, Switzerland
ISQ - Instituto de Soidaduria e Qualidade, Portugal
IVF - Industrial Research and Development Corporation, Sweden
JRC/EC - Commission of the European Communities, Joint Research Center, Belgium
JSI - Jozef Stefan Institute, Slovenia
KMM-VIN - European Virtual Institute on Knowledge-based Multifunctional Materials, Belgium
LABEIN - TECNALIA, Spain
MIT - Management Intelligent Technologies GmbH, Germany
NIS - Petroleum Industry of Serbia, Serbia
OECD - Organisation for Economic Co-operation and Development, France
OttoUNI - Otto-von-Guericke-Universität Magdeburg, Germany
PROMIS@Service Sarl, Luxembourg
SINTEF - Stiftelsen SINTEF, Norway
SP - Technical Research Institute of Sweden, Sweden
Swiss Re - Swiss Reinsurance Company, Switzerland
SWISSI - Sicherheitsinstitut, Switzerland
Swissi España - Instituto Suizo para la Promoción de la Seguridad, Spain
TECNALIA - Fundación Tecnalia Research & Innovation, Spain
Technologica - Technologica Group c.v., Belgium
TÜV SÜD Industrie Service GmbH, Germany
URL - Universidad Ramon Llull Fundación Privada, Spain
VŠB - Technical University of Ostrava, Czech Republic
VTT - Technical Research Centre of Finland, Finland
ZIRN - Interdisciplinary Research Unit for Risk, Governance and Sustainable Technology, University of Stuttgart, Germany



Program

PRE-CONFERENCE WORKSHOPS (details on workshops will follow in due course)

June 6, 2011

- W 1. Workshop on Key Performance Indicators (KPIs)
- W 2. Workshop on IRGC Framework (International Risk Governance Council)

NOTE:

The pre-conference workshops are intended for groups of 15-80 people with presentations from different authors and collegial discussions. The workshop coordinators may, but need not necessarily be the chairpersons and moderators.

MAIN CONFERENCE

June 7-8, 2011

We expect a strong presence of high-level representatives from government, regulatory agencies and standardization brokers, EU directorates, industry and other organizations. The conference will take place in conjunction with SRA Europe 20th Annual Meeting providing the delegates with an opportunity to share their experiences and knowledge with participants attending the SRA Europe meeting. The two conferences will have joint plenary meetings on Tuesday and Wednesday allowing the participants to attend some of the SRA sessions and vice-versa.

ACCOMPANYING EVENTS (iNTeg-Risk project internal)

June 6-10, 2011

- **Project meetings** for single project activities (Workpackage and Task meetings)
June 6 & 10, 2011
- **International Advisory Board (IAB) Meeting**
June 8, 2011, 17:00 – 19:00
- **Project General Assembly (GA)**
June 9, 2011, 9:00 – 11:00
- **Project Executive Board (EB) Meeting**
June 9, 2011, 11:30 – 13:30
- **ERRA-Integration Delphi-Workshop**
June 9, 2011, 15:00 – 19:00
- **Preparation meeting for Exploitation Strategy Seminar for iNTeg-Risk project**
June 9, 2011, 15:00 – 18:00

SPONSORS/SUPPORT

- **Stiftung Umwelt- und Schadensvorsorge** (Foundation for Environmental and Damage Prevention, www.stiftung-schadenvorsorge.de)
- **EU, DG RTD**, through iNTeg-Risk project



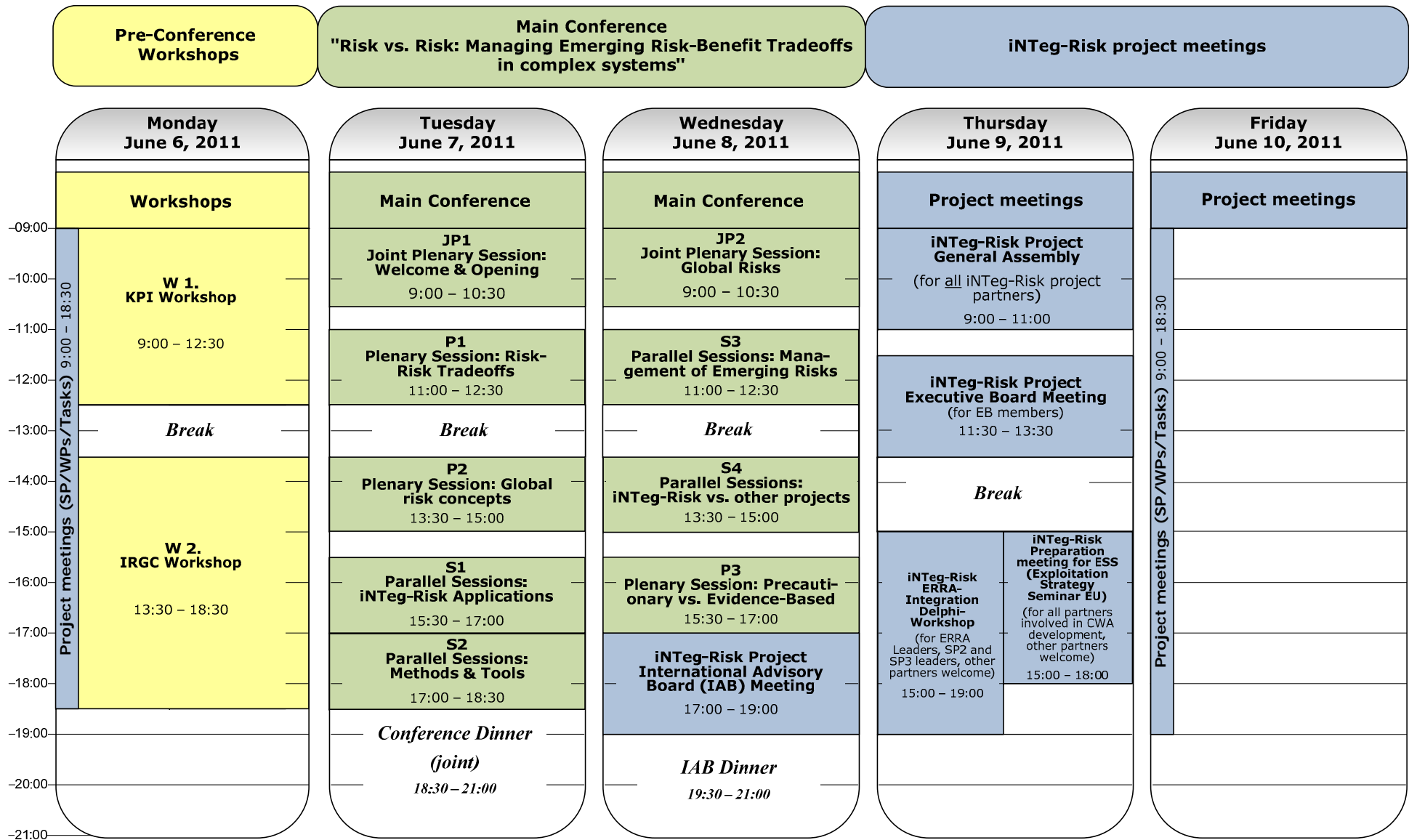
iNTeg-Risk

Early Recognition, Monitoring and Integrated Management
of Emerging, New Technology Related, Risks



Grant agreement number: CP-IP 213345-2

3rd iNTeg-Risk Conference 2011 - Overview



NOTE: Details about single events of the above program are available at www.integrisk.eu-vri.eu

Pre-Conference Workshops

iNTeg-Risk workshop on Key Performance Indicators (KPIs)

**June 6, 2011
9:00 – 12:30**

Stuttgart

Haus der Wirtschaft, Room Bertha-Benz-Saal
Willi-Bleicher-Strasse 19, 70174 Stuttgart

More details on the workshop will follow in due course.

iNTeg-Risk workshop organized by **International Risk Governance Council (IRGC)**

**June 6, 2011
13:30 – 18:30**

Stuttgart

Haus der Wirtschaft, Room Bertha-Benz-Saal
Willi-Bleicher-Strasse 19, 70174 Stuttgart

More details on the workshop will follow in due course.

Detailed Agenda (DRAFT)

Main Conference

June 7, 2011

08:30 – 09:00 Registration and getting together (Coffee and refreshments)

JP 1. iNTeg-Risk/SRA Europe Joint Plenary Session & Opening of 3rd iNTeg-Risk Conference
(Chair: W. Gerhardt, O. Renn, A. Jovanovic)

NOTE: All chairpersons' names as well as room assignments are preliminary and yet to be confirmed (ytbc)

09:00 – 10:30 König-Karl-Halle	<p><i>Welcome and organizational introductory remarks, A. Jovanovic</i></p> <p><i>"5 years EU-VRI– Awarding the EU-VRI Medals of Merit", V. Laflèche</i> <i>An initiative to reward the outstanding contributions of individuals to activities and organization of EU-VRI has been started by EU-VRI Founding Members; 3 medals will be awarded honoring exceptional excellence, commitment and dedication.</i></p> <p>Welcome EU - A. Cipollaro, Project Officer European Commission – Directorate General RTD, Directorate G (Industrial Technologies - New Generation of Products)</p> <p>JP 1.1. Future Global Shocks: can we cope with the challenges? – P.-A. Schieb, OECD Organisation For Economic Co-Operation And Development, France</p> <p>JP 1.2. From Emerging Risk Perception to Action – R. Schneider, Swiss Reinsurance Company, Zurich, Switzerland</p>
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10:30 – 11:00 Coffee break

P 1. iNTeg-Risk Plenary Session 1: Risk-Risk Tradeoffs
(Chair: V. Laflèche, R. Schneider, P. A. Schieb)

11:00 – 12:30 König-Karl-Halle	<p>Welcome Steinbeis: Safe Innovation as a guarantee for long-term sustainability - H. Trasch, President Steinbeis, Germany</p> <p>P 1.1. Risk-Risk Tradeoffs - Wiener, Jonathan, Duke University, Schools of Law, Environment, and Public Policy, United States</p> <p>P 1.2. Dealing With Tradeoffs Between Target and Ancillary Risks of New Technologies in iNTeg-Risk Project – A. Jovanovic, EU-VRI, Germany</p>
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12:30 – 13:30 Lunch (buffet)

P 2. iNTeg-Risk Plenary Session 2: Global risk Concepts on the Regional, Local and Company levels
(Chair: H. Trasch, J. Wiener, O. Salvi)

13:30 – 15:00	<p>P 2.1. Safety Culture Development at BASF – W. Gerhardt, BASF, Germany</p> <p>P 2.2. Use of the Environmental Information System Baden-Württemberg for Risk Assessment Tasks – Opportunities and Constraints – <u>R. Ebel</u>, LUBW, ITZ, Germany; R. Mayer-Föll, Ministry of the Environment, Nature Conservation and Transport, UVM, Germany; Th. Usländer, Fraunhofer IOSB, Information Management, Germany</p> <p>P 2.3. iNTeg-Risk Project: An Overview of the Results of 17 Emerging Risk Representative Applications – <u>B. Debray</u>, INERIS, France; M. Zarea, GDF Suez, France; K. Øien, SINTEF, Norway; R. Rota, Politecnico di Milano - CMIC Dpt, Italy; A. Jovanovic, EU-VRI, Germany</p>
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15:00 – 15:30 Coffee break

S 1. iNTeg-Risk Parallel Sessions – Emerging Risk Representative Applications

15:30 – 17:00	<p>Session 1.1. Emerging Risks in New Technologies (König-Karl-Halle; Chair: B. Debray, M. Zarea)</p> <p>S 1.1.1. Overview of ERRA A1 on Carbon Capture and Storage – J Wilday, <u>J. Buston</u>, Health and Safety Laboratory, United Kingdom; R. Farret, INERIS, France; L. Breedveld, 2B, Italy; N. Paltrinieri, Health and Safety Laboratory, United Kingdom</p> <p>S 1.1.2. Addressing Emerging Risks related to LNG regasification Terminals – <u>G. Uguccioni</u>, S. Benucci, D'Appolonia SpA, Italy; R. Rota, V. Busini, M. Derudi, E. Marzo, Politecnico di Milano, Italy; A. Tugnoli, V. Valerio, Università di Bologna, Italy; O. Aneziris, NCSR Demokritos, Greece; I. Vela, BAM - Bundesanstalt für Materialforschung und -prüfung, Germany</p> <p>S 1.1.3. Evacuation of a Complex Underground Facility – <u>M. Wietek</u>, VSH, Switzerland; J. Hugosson, SP, Sweden; F. Leismann, STUVA, Germany; F. Fouillen, INERIS, France</p> <p>Papers presentation 25' each, 15' Discussion</p>
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15:30 – 17:00	<p>Session 1.2. Emerging Risks in New Material and Products (<u>Studio A</u>; Chair: U. Krause, G. Klein)</p> <p>S 1.2.1. Dust Explosions as a Destructive Threat to Solids Handling Industries: Case Studies of Hazards and Means and Measures to Avoid Injuries and Losses – S. Penno, Index e.V., Germany</p> <p>S 1.2.2. A Generic Approach for Hazard Prevention in Large Storages of Combustible Wastes – <u>I. Vela</u>, U. Krause, BAM, Germany</p> <p>S 1.2.3. Method to Management of the Emerging Risks Connected with the Introduction Of Advanced Engineering Materials – <u>J. Trebicki</u>, K. Dolinski, IPPT, Poland</p> <p>S 1.2.4. Easy-to-use Nano Control Banding Tool for Risks Related to Working with Nanomaterials: Stoffenmanager Nano – <u>A. Pronk</u>, S. Spaan, B. Duuren-Stuurman, E. Tielemans, W. Fransman, TNO, Netherlands; H. Heussen, K. Verbist, Expert Centre for Chemical Risk Management, Arbo Unie, Netherlands</p> <p>Papers presentation 20' each, 10' Discussion</p>
	<p>Session 1.3. ERs in New Production Technologies and Production Networks (<u>Heilbronn</u>; Chair: L. van Wijk, H. B. Andersen)</p> <p>S 1.3.1. Safety challenges from subcontracting - Review – <u>J. Thommesen</u>; H. B. Andersen, DTU, Management Engineering, Denmark</p> <p>S 1.3.2. On-line risk monitoring and assessment methodology and techniques for emerging risk in petrochemical plants – <u>G. Lenkey</u>, P. Rózsahegyi, E. Bodnár, R. Somogyvári, Bay Zoltan Foundation, Hungary</p> <p>S 1.3.3. Risk issues and good practices related to subcontracting - Interview study - <u>J. Thommesen</u>; H. B. Andersen, DTU, Management Engineering, Denmark</p> <p>S 1.3.4. How Can Emerging Risk Areas Learn from a Consideration of Past "Atypical Events"? – <u>J. Buston</u>, G. Atkinson, N. Paltrinieri, Health and Safety Laboratory, United Kingdom; N. Dechy, INERIS, France; E. Salzano, IRC-CNR, Italy; L. van Wijk, JRC Ispra, Italy</p> <p>Papers presentation 20' each, 10' Discussion</p>
	<p>Session 1.4. Emerging Risks in Related Policies (<u>Tübingen</u>; Chair: A. Moreno Ucelay, E. Salzano)</p> <p>S 1.4.1. The ERRA D2 Tool: A New Approach to Support Emerging Risks Management in Energy Sector Companies – <u>J. López de Ipiña</u>, I. Padillo, J. Rubio, TECNALIA, Spain; A. Moreno Ucelay, J. L. Lirón, Iberdrola SA, Occupational Safety Area, Spain; J. Goitia, L. Azpiaz, Iberdrola Distribución SAU, Spain</p> <p>S 1.4.2. Human Risk Assessment of Single Exposure in Chemical Incidents - <u>P. Bos</u>, K. Mahieu, RIVM, Netherlands; M. Ruijten, Crisistox Consult, Netherlands; U. Gundert-Remy, Bundesinstitut für Risikobewertung, Germany; S. Bull, Health Protection Agency, United Kingdom; E. Nielsen, Danish Technical University, Denmark; S. Tissot, J.-M. Vincent, INERIS, France; M. Wood, Joint Research Center, Italy; G. Cassel, P. Leffler, Swedish Defence Research Agency, Sweden; D. Russell, Health Protection Agency, United Kingdom; A. Zitting, T. Santonen, M. Heinälä, Finnish Institute of Occupational Health, Helsinki, Finland</p> <p>S 1.4.3. A New Set of KPIs and a New Methodology for NATECH (Natural-Technological) Risk Assessment – E. Krausmann, JRC, Italy; E. Salzano, Istituto di Ricerche sulla Combustione, CNR, Italy; V. Cozzani, R. Rota, CONPRICI, Italy; O. Aneziris, DEMOKRITOS, Greece; A. Vallee, B. Affeltranger, <u>M. Reimeringer</u>, Ch. Mazri, INERIS, France</p> <p>Papers presentation 25' each, 15' Discussion</p>
	<p>Session 1.5. GRUNDTVIG (<u>Bertha-Benz-Saal</u>; Chair: O. Renn, University of Stuttgart, ZIRN)</p> <p>S 1.5.1. "Save Your Energies" - Designing Energy Concepts for Reducing Risks of Climate Change - Session for the lifelong learning partnership GRUNDTVIG –</p> <p>Moderator: O. Renn, University of Stuttgart, Germany, Panelists:</p> <ul style="list-style-type: none"> • Roger Strand (University of Bergen) • Gisela Wachinger (Dialogik, Stuttgart) • Päivi Tirkkenen (Finland) • William Leiss (USA)
	<p>S 2. iNTeg-Risk Parallel Sessions 2 – Dealing with Emerging Risk: Methods and Tools</p>

17:00 – 18:30	<p>Session 2.1. Framework and Paradigm for Emerging Risk Management (<u>Bertha-Benz-Saal</u>; Chair: V. Cozzani, C. Duval)</p> <p>S 2.1.1. Development of An Integrated Risk Analysis Method in Order to Treat the Different Sides of the ERMF – <u>C. Duval</u>, Y. Dien, EDF-R&D, Industrial Risk Management, France</p> <p>S 2.1.2. An Assessment Framework for Risk Communication Challenges – <u>K. Øien</u>, SINTEF, Safety Research, Norway</p> <p>S 2.1.3. Obstacles to Emerging Risk Anticipation – <u>M. V. Florin</u>, International Risk Governance Council, Switzerland; other authors, Steering Committee of the IRGC project on Emerging Risks, Switzerland</p> <p>Papers presentation 25' each, 15' Discussion</p>

17:00 – 18:30	<p>Session 2.2. Risk-Risk Tradeoffs & Early Warning Signals (<u>Tübingen</u>; Chair: A. Kishimoto, E. Rosa)</p> <p>S 2.2.1. Resolving Risk-Risk Dilemmas by Reframing Objectives and Options: Lessons from 'Smart-Wear' – T. Assmuth, Finnish Environment Institute, Environmental Policy Centre, Finland</p> <p>S 2.2.2. Bridging Silos: Risk Governance and Cross-Domain Risks – E. Rosa, Washington State University, United States</p> <p>S 2.2.3. Risk Tradeoff Analysis of Substance Substitution: Scope, Framework and Metrics – H. Kajihara, <u>A. Kishimoto</u>, National Institute of Advanced Industrial Science and Technology, Research Institute of Science for Safety and Sustainability, Japan</p> <p>S 2.2.4. The Atypical Incident Scenarios: Longstanding Issues Commonly Disregarded as Improbable and New Issues Due To Emerging Technologies – <u>N. Paltrinieri</u>, V. Cozzani, Università di Bologna, Dipartimento di Ingegneria Chimica, Mineraria e delle Tecnologie Ambientali, Italy; E. Salzano, Consiglio Nazionale delle Ricerche, Istituto di Ricerche sulla Combustione, Italy; N. Dechy, IRSN – Institut de Radioprotection et de Sûreté Nucléaire, France; J. Buston, J. Wilday, Health and Safety Laboratory (HSL), Fire & Process Safety Unit, United Kingdom</p> <p>Papers presentation 20' each, 10' Discussion</p>
	<p>Session 2.3. Key Performance Indicators and Risk Perception (<u>Heilbronn</u>; Chair: K. Grieger, H. Pacaiova)</p> <p>S 2.3.1. A Communicative Approach to Understanding the Association Between Procedural Performance and the Legitimacy Of Outcomes – Th. Webler, SERI, United States</p> <p>S 2.3.2. Advantages and Disadvantages of KPI in Risk Management Process – <u>H. Pacaiova</u>, A. Nagyova, J. Namesanska, Technical University of Kosice, Department of Safety and Quality Production, Slovakia</p> <p>S 2.3.3. Emerging Nanotechnologies and Risk Perception – <u>K. Grieger</u>, H. B. Andersen, Technical University of Denmark, Denmark</p> <p>Papers presentation 25' each, 15' Discussion</p>
	<p>Session 2.4. Methodologies for Dealing with Emerging Risks I (<u>Freiburg</u>; Chair: Y. Malmen, M. Ström)</p> <p>S 2.4.1. Qualitative vs. Quantitative Data Quality Objectives for Complex Multi-pathway Risk Assessments – What Should Reasonable People Who are Not Statisticians Do? – <u>K. Butler</u>, Ch. Lambert, R. Countway, McDaniel Lambert, Inc., United States</p> <p>S 2.4.2. On the Way to a UML Model Of Handling Of Risks Related To Emerging Technologies – <u>M. Ström</u>, Swerea IVF AB, Operations Development, Sweden; D. Andersson, Swerea IVF AB, Electronics Production, Sweden</p> <p>S 2.4.3. 3DHaz – Emerging Hazard Analysis Using 3D Plant Models – <u>Y. Malmen</u>, K. Virolainen, VTT Technical Research Centre of Finland, Finland; T. Keskitalo, Pöyry Finland Oy, Finland</p> <p>S 2.4.4. Managing Emerging Risk Trade-Offs along the Life-Cycle: the Case of CCS – <u>L. Breedveld</u>, 2B, Italy; J. Wilday, HSL, United Kingdom; M. Cordella, M. Löscher, A. Jovanovic, EU-VRI, Germany</p> <p>Papers presentation 20' each, 10' Discussion</p>
	<p>Session 2.5. Special Issues in Management of Emerging Risks (<u>Ulm</u>; Chair: S. Kovacs, G. Lenkey)</p> <p>S 2.5.1. Smart Grids Risk - on a Non-Classic Information Measure – I. Purica, FCCEA, Romania</p> <p>S 2.5.2. Risk, the End is Nigh? – A. G. Hessami, Vega Systems & University of East London, System of Systems Engineering, United Kingdom</p> <p>S 2.5.3. Managing Emerging Risks New Bottles for a New Wine... and for Old Wine as Well! – <u>Y. Dien</u>, C. Duval, EDF - R&D, Management of Industrial Risks, France</p> <p>S 2.5.4. Evaluate Possible Technologies for e-Learning / Web-Based Courses for the iNTeg-Risk European Master on Emerging Risks – P. Lerena, Swiss Safety Institute, Switzerland</p> <p>Papers presentation 20' each, 10' Discussion</p>
	<p>Posters first conference day (Coordinator: M. Löscher; the time table of presentations will be indicated at each poster)</p>

09:00 – 18:00 König-Karl-Halle	<p>The following posters will be presented throughout the day in König-Karl Halle</p> <p>PO 1. An Example of RBI Assessment for One Equipment From Chemical Industry – H. Mateiu, N. Pasca, A. Murariu, National R&D Institute for welding and material testing-ISIM, Timisoara, Romania</p> <p>PO 2. Rapid Fingerprinting Technique of Oil Spill Based on the Concentration-Synchronous-Matrix-Fluorescence Spectroscopy and Chemometrics – Ch. Wang, W. Ren, M. Tang, J. Zhang, Beijing Normal University, China</p> <p>PO 3. A Comparative Study of the Main Existing Methods and Software Tools for Analysis and Modeling of Domino Effects – F. Kadri, Université de technologie de Troyes, Institut Charles Delaunay, UMR CNRS, France</p> <p>PO 4. Integrated Technologies For Improving Atmospheric Risk and Impact Assessment Models And Studies – N. Ajtai, Z. Török, H. Stefănie, A. Ozunu, Babes-Bolyai University, Environmental Sciences and Engineering, Romania</p>
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18:30 – 21:00	Conference Dinner (joint dinner with SRA Europe Conference)
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June 8, 2011

JP 2. iNTeg-Risk/SRA Europe Joint Plenary Session 2

<p>09:00 – 10:30 König-Karl-Halle</p>	<p>Global Risks: A Broader Perspective (Chair: W. Leiss, J. López de Ipiña, K. Øien)</p> <p><i>"Best Graduate Student / Young Scientist Award", A. Jovanovic</i> <i>Two special prizes, 1,000 € in total, financed by Stiftung Umwelt- und</i> <i>Schadensvorsorge (Foundation for Environmental and Damage Prevention,</i> www.stiftung-schadensvorsorge.de) will be awarded to 2 outstanding iNTeg-Risk Conference papers or posters, authored by graduate students or young scientists.</p> <p>Welcome Baden-Württemberg International: Provider of New Technologies and related services for economic development and international cooperation – H. Neuland, Baden-Württemberg International, Germany</p> <p>JP 2.1. Global Systemic Risks with Catastrophic Potential – W. Leiss, University of Ottawa, McLaughlin Centre for Risk Assessment, Canada</p> <p>JP 2.2. To Count or to Judge? – E. Rosa, Washington State University, United States</p> <p>JP 2.3. Risk governance deficits in the multiple risk situation: the Great East Japan Earthquake, Tsunami, and Fukushima nuclear accident – A. Kishimoto, RISS, AIST, Japan</p>
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10:30 – 11:00 Coffee break

S 3. iNTeg-Risk Session 3 (parallel) – Management of Emerging Risks

<p>11:00 – 12:30</p>	<p>Session 3.1. Early Warnings and Risk Mitigation (Tools) (König-Karl-Halle; Chair: A. Jovanovic, L. Fabbri)</p> <p>S 3.1.1. Infrastructure for Spatial Information in Europe (INSPIRE) – Towards Interoperability of Data Sets for Risk Prevention and Management – <u>M. Tuchyna</u>, A. López Alós, P. Smits, R. Tomas, Institute for Environment and Sustainability, JRC, EC, Italy</p> <p>S 3.1.2. The RiskClock: A way to improve monitoring of emerging risks related to New Technologies – <u>A. Jovanovic</u>, P. Klimek, D. Balos, EU-VRI, Germany; R. Schneider, Swiss Re, Switzerland</p> <p>S 3.1.3. Software Interoperability in Risk Analysis: A Possible Way Forward? – S. Contini, <u>L. Fabbri</u>, V. Matuzas, European Commission, Joint Research Centre, Italy; M. Binda, THS Informatica, Italy</p> <p>S 3.1.4. An Agent-Based Model Tool for Analyzing Perception of Emerging Risks – <u>P. Klimek</u>, A. Jovanovic, R. Lim, EU-VRI, Germany; R. Schneider, Swiss Re, Switzerland</p> <p>Papers presentation 20' each, 10' Discussion</p> <p>Session 3.2. Findings from iNTeg-Risk Related Projects (Ulm; Chair: H. Wenzel, R. Hutter)</p> <p>S 3.2.1. VALUESEC - Mastering the Value Function of Security Measures – Ch. Blobner, Fraunhofer Institute for Factory Operation and Automation IFF, Logistics and Factory Systems, Germany; <u>R. Hutter</u>, CESS GmbH Centre for European Security Strategies, Germany</p> <p>S 3.2.2. Comprehensive Assessment of Traffic, Environmental and Financial Impacts of Tramway Extension Using Intelligent Multi-agent Simulator MATES – <u>H. Fujii</u>, S. Yoshimura, H. Uchida, The University of Tokyo, Dep. of Systems Innovation, Japan</p> <p>S 3.2.3. Results of the IRIS Project with Relevance to iNTeg-Risk – H. Wenzel, VCE Holding GmbH, Austria</p> <p>S 3.2.4. Architecture, Interfaces and Standards of Environmental Information Systems – How to Integrate them into Risk Management Applications – <u>M. Schenk</u>, M. Rudolf, Fraunhofer IOSB, Information Management, Germany</p> <p>Papers presentation 20' each, 10' Discussion</p> <p>Session 3.3. Risk Management and Standardization (Heilbronn; Chair: S. Jovanovic, H. Behrens)</p> <p>S 3.3.1. Standardization in Risk Management – V. Lafleche, INERIS, France</p> <p>S 3.3.2. Tbd – P. Hatto, IonBond Ltd., United Kingdom</p> <p>S 3.3.3. Standardization Activities within the iNTeg-Risk Project – H. Behrens, DIN Deutsches Institut für Normung e.V., R&D Phase Standardization, Germany</p> <p>S 3.3.4. NanoRef: Coordination of standardization activities for Safety Related To Nanoparticles – <u>O. Salvi</u>, EU-VRI, Germany; S. Engel, BASF, Germany; E. Fréjafon, O. Le Bihan, INERIS, France; S. Jovanovic, R-Tech, Germany; N. Babcsan, Bay Zoltan Foundation, Hungary</p> <p>Papers presentation 25' each, 15' Discussion</p> <p>Session 3.4. Natural Hazard Management and Insurability (Mannheim; Chair: O. Renn)</p> <p>S 3.4.1. Invited Lecture: Natural Hazards, Climate Change and New Challenges for Insurance Companies – J. Brinkmann, Norwegian School of Management, Norway</p> <p>Moderator: <u>O. Renn</u>, University of Stuttgart, Germany, Panelists: E. Rosa, V. Schetula, H. Kossow, S. Kjellgren, J. Brinkmann</p>
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12:30 – 13:30 Lunch (buffet)

S 4. iNTeg-Risk Session 4 (parallel) – iNTeg-Risk Project Liaisons to Other Projects & Activities

13:30 – 15:00	<p>Session 4.1. Near Misses & Knowledge Discovery (<u>Heilbronn</u>; Chair: N. Allan, S. Ansalidi)</p> <p>S 4.1.1. Discussing Near Misses to Revive the "Sleeping" Knowledge – <u>S. Ansalidi</u>, P. Agnello, P. Bragatto, INAIL, Italy</p> <p>S 4.1.2. Dynamic Knowledge Management (DKM) – <u>B. Debray</u>, INERIS, France, E. Kon, EKON, Israel</p> <p>S 4.1.3. An Evolutionary Approach to Identifying Emerging Risk in Complex Adaptive Systems Using Phylogenetic Analysis – <u>N. Allan</u>, University of Bristol, Systems Centre, United Kingdom; Y. Yin, University of Bath, School of Management, UK</p> <p>Papers presentation 25' each, 15' Discussion</p>
	<p>Session 4.2. Methodologies for Dealing with Emerging Risks II (<u>Ulm</u>; Chair: P. Auerkari, M. Gerbec)</p> <p>S 4.2.1. Experience and the Unexpected: Risk and Mitigation Issues For Operating Underground Storage Silos for Coal Fired Power Plant – <u>Y. Malmén</u>, P. Auerkari, A.-M. Heikkilä, VTT, Finland; J. Sipilä, Helsingin Energia, Finland; U. Krause, BAM, Germany</p> <p>S 4.2.2. Effective Key Performance Indicators on Integration of Risk Related Information into Land Use Planning Process – D. Kontič, <u>M. Gerbec</u>, B. Kontič, Jozef Stefan Institute, Slovenia</p> <p>S 4.2.3. Two-Stage Stochastic Mixed Integer Linear Programming – J. Cui, TU Dortmund, Germany</p> <p>Papers presentation 25' each, 15' Discussion</p>
	<p>Session 4.3. Benchmarking (<u>Tübingen</u>; Chair: L. Breedveld, D. Leonte)</p> <p>S 4.3.1. Comprehensive Ex-Ante Evaluation of New Emerging Technologies/Risks and Their Approval – B. Kontič, <u>D. Kontič</u>, M. Gerbec, Jozef Stefan Institute, Slovenia</p> <p>S 4.3.2. An Exposition into the Diversity of Risk Applications and Implications for their Integrated Management in Organizations – D. Leonte, NICNAS, Australian Department of Health and Aging, Australia</p> <p>S 4.3.3. Benchmark Study on International Functional Safety Standards – <u>F. Massé</u>, INERIS, France; R. Tiennot, LigeronFrance; J.-P. Signoret, Total, France; Ph. Blancart, PSA Peugeot Citroën, France; G. Dupin, RATP, France; L. Marle, IMdR, France</p> <p>Papers presentation 25' each, 15' Discussion</p>
	<p>Session 4.4. Uncertainties and Systemic Risks (<u>König-Karl-Halle</u>; Chair: P. Bragatto, Ch. Huang)</p> <p>S 4.4.1. Some Issues on Experimental Riskology – Ch. Huang, Beijing Normal University, Academy of Disaster Reduction and Emergency Management, China</p> <p>S 4.4.2. Inspection Planning of Pressure Vessels in Service – <u>P. Bragatto</u>, INAIL, DIPIA, Italy; C. Delle Site, INAIL, DCC, Italy; A. Faragnoli, C-ENG, Italy</p> <p>S 4.4.3. Estimation of Uncertainty for Emerging Technologies and Implications to Risk Management – <u>E. Markert</u>, I. Kozine, Technical University of Denmark, Management Engineering, Safety, Reliability & Human Factors, Denmark</p> <p>Papers presentation 25' each, 15' Discussion</p>

15:00 – 15:30 Coffee break

P 3. iNTeg-Risk Plenary Session 3 – Panel Discussion Precautionary vs. Evidence-Based Approaches

15:30 – 16:50 König-Karl Halle	<p>P 3.1. Precautionary vs. Evidence-Based Approaches when Dealing with Emerging Risks – Moderator: <u>O. Renn</u>, University of Stuttgart, Germany, Panelists:</p> <ul style="list-style-type: none"> • J. Wiener (US vs. Europe) • R. Löfstedt (Implications for European and US Policy Making) • E. Rosa (Application of Precaution to Climate Change) • Th. Webler (Citizen preferences for risk management approaches) • A. Jovanovic (Precautionary principle and evidence-based approach in the iNTeg-Risk framework) • P.A. Schieb (Precautionary principle in the future)
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16:50 – 17.00 Closure of the conference (Renn, Jovanovic)

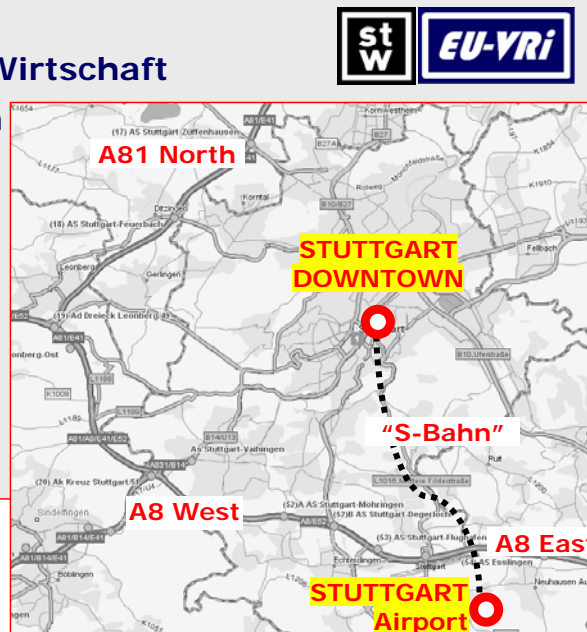
Posters second conference day (Coordinator: D. Balos)

09:00 – 15:30 König-Karl Halle	<p>The following posters will be presented throughout the day in König-Karl Halle</p> <p>PO 5. Human Erroneous Action Context Monitoring by Two HRA Methods – G. Petkov, Technical University of Sofia, Thermal and Nuclear Power Engineering, Bulgaria</p> <p>PO 6. Using Human Key Performance Indicators Together with Expert Reasoning Processes in Order to Understand and Cope with New and Emergent Risks – S. Kovacs, G. Apostol, I. Iorga, INCDPM, Romania; E. Doval, Spiru Haret University, Romania</p> <p>PO 7. Reliability Analysis and RBI Planning for Industrial Heating Vessels – A. Kozak, Office of Technical Inspection, Poland</p> <p>PO 8. Reducing Airbag Induced Injuries – A. Davila, M. Nombela, IDIADA Automotive Technology, Passive Safety, Spain</p>
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Venue

- Stuttgart, Haus der Wirtschaft
- Steinbeis Foundation
- Steinbeis Advanced Risk Technologies
- European Virtual Institute for Integrated Risk Management (EU-VRI)

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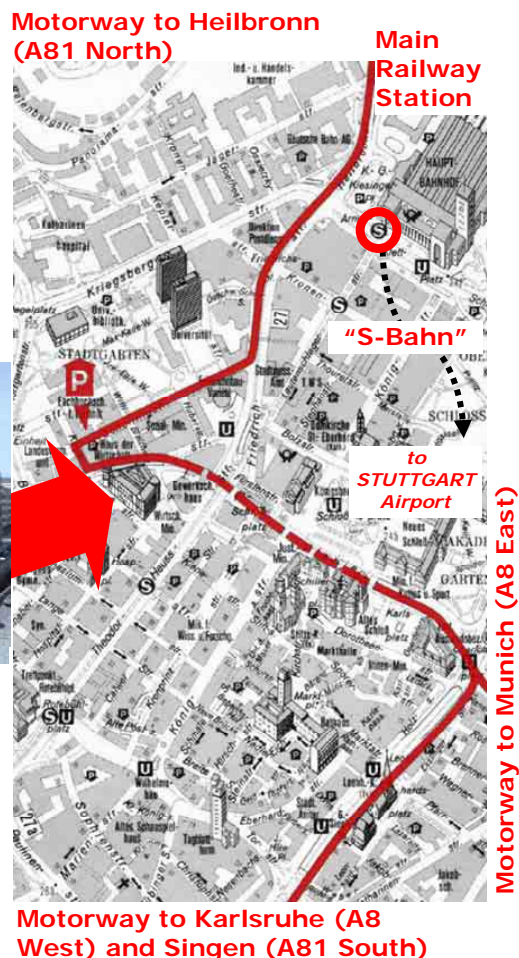


Walking from the main railway station (Hauptbahnhof): Take the main street (Koenigstrasse) for about 500 meters up to the main place Schlossplatz. Between the bookstore WITTWER and the ESPRIT, you have to turn right (kleiner Schlossplatz), go straight ahead, cross the 'Theodor Heuss Strasse' and you will reach automatically the 'Willi-Bleicher-Strasse'.

Public transportation: Take any of the subway lines ("S-Bahn") S1 to S6 (**S2 or S3 from the airport!**) and get off at the main railway station (Hauptbahnhof). Then follow the instructions above. Alternatively: use the tramway (the "U-Bahn") lines U9 or U14 and get off at the stop "Friedrichsbau".



By car: From the main motorways follow always "Stuttgart Zentrum" or "Stuttgart Stadtmitte". Take exits "Degerloch" when coming from Munich (Autobahn A8), exit "Vaihingen" when coming from Karlsruhe (Autobahn A8) or Zurich (Autobahn A81), or Zuffenhausen when coming from Heilbronn (Autobahn A81).
Park at "Hofdienergarage" in front of Haus der Wirtschaft (access to garage from Schellingstraße).



Hotels

The special prices conditions are arranged with CONGEX.
Please use the contact details provided at registration (<http://www.eu-vri.eu/fwlink/?LinkID=315>)!

For further hotel and/or other information consult http://www.stuttgart-tourist.de/ENG/hotels/hotels_buchen.htm. No special conditions would apply to these hotels.

Registration/Fees

Registration for the Main Conference is open at:

<http://www.eu-vri.eu/fwlink/?LinkID=315>

Registration Fees:

Conference fees (+ VAT if applicable):

- 350 €, for iNTeg-Risk partner and members of the International Advisory Board
- 430 €, for other full delegate
- 230 €, for student delegates.

The registration includes handouts, coffee breaks, lunches, the conference reception and the conference dinner on June 7, 2011. Having registered either for SRA-Europe Meeting (June 5–8, 2011) or for 3rd iNTeg-Risk Conference (June 7–8, 2011) gives free access to both events on June 7–8, 2011.

Workshops fees (per workshop, + VAT if applicable):

- 150 €, for project partners and IAB members
- 250 €, for other participants.

The registration includes handouts and coffee breaks.

Registration:

- KPI Workshop: <http://www.eu-vri.eu/fwlink/?LinkID=317>
- IRGC Workshop: <http://www.eu-vri.eu/fwlink/?LinkID=316>

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