



## 1<sup>st</sup> iNTeg-Risk Conference: Dealing with Risks of Tomorrow's Technologies

### Agenda

June 2-3, 2009

Haus der Wirtschaft, Stuttgart, Germany  
König-Karl-Halle, [www.hausderwirtschaft.de](http://www.hausderwirtschaft.de)

[www.integrisk.eu-vri.eu](http://www.integrisk.eu-vri.eu)

organized by EU-VRI (European Virtual Institute for Integrated Risk Management) in cooperation with ETPIS (European Technology Platform on Industrial Safety), EU-OSHA (European Agency for Safety and Health at Work), Steinbeis Advanced Risk Technologies and Steinbeis GmbH & Co. KG für Technologietransfer (StC)

Program Committee:	Conference Board:	Organization Committee:
F. Bagnoli D'Appolonia, Italy	T. Bahke Director DIN, Germany	D. Balos (chair) Steinbeis R-Tech
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V. Cozzani CONPRICI, Italy	W. Gerhardt Vice President BASF, Germany	E. M. Lenart ELITE
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B. Debray INERIS, France	C. Jochum Chairman ETPIS, EU	V. Mihajlovic Steinbeis R-Tech
C. Duval EDF, France	A. Jovanovic (chair) CEO EU-VRI, Germany	A. Reinhardt Steinbeis
U. Haug Steinbeis Int., Germany	Ph. Klein Head of Risk Management Department EDF, France	T. Sakurai Steinbeis R-Tech
S. Jovanovic Steinbeis R-Tech, Germany	V. Lafliche General Director INERIS, France	
G. Lenkey BZF, Hungary	A. Moreno Ucelay Chairman PESI, Spain	
J. López de Ipiña LEIA, Spain	J.J. Meulenbrugge TNO, Netherlands	
K. Maile MPA Stuttgart, Germany	W. Ressel President Univ. Stuttgart, Germany	
R. Nomen Univ. Ramon Llull, Spain	E. Rial Gonzáles Head of European Risk Observatory EU- OSHA	
A. Pirlet CEN, Belgium	R. X. Ruter Partner Ernst & Young, Germany	
O. Renn (chair) ZIRN Univ. Stuttgart, Germany	P.-A. Schieb Head of OECD Futures Projects, France	
O. Salvi (co-chair) EU-VRI	H. Träsch President Steinbeis, Germany	
R. Schneider Swiss Re, Switzerland		
H. Wenzel VCE, Austria		
M. Zarea GDF SUEZ, France		

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NOTE: The conference is planned as a meeting occasion for ALL iNTeg-Risk project partners ("main beneficiaries", "Article 10 partner", "Subcontractors" and "IAB members") and their participation is foreseen in the Grant Agreement (Description of Work).

**June 2, 2009**

König-Karl-Halle

<b>08:00 – 09:00</b>	<b>Registration and getting together - visiting the exhibition (Coffee &amp; refreshments)</b>
<b>09:00 – 10:30</b>	<p><b>1. Welcome &amp; Introductory session</b> (Chair: W. Gerhardt, BASF, Germany; Ph. Klein, EDF; V. Laflèche, INERIS, France )</p> <ul style="list-style-type: none"> <li>1.1 Welcome – Innovations Stabilize Existences and Jobs - H. Trasch, President Steinbeis Foundation, Germany</li> <li>1.2 Welcome -Role of EU programs and large EU Projects in defining and performing of national R&amp;D in the area of new technologies - H. Bauer, Federal Ministry of Education and Research, Germany</li> <li>1.3 Welcome - Aligning national and EU efforts in the area of future-oriented innovation and education - C. Dumon, Consul General of France, Stuttgart, Germany</li> <li>1.4 European RTD and emerging risks related to new technologies – S. Bowadt, EC DG Research, EU</li> <li>1.5 EU-VRI – a common sustainable response of the European stakeholders to the needs of integrated risk management - V. Laflèche, Director General , INERIS, France</li> <li>1.6 Academic education for emerging issues - how to keep abreast - W. Ressel, Univ. Stuttgart, Germany</li> <li>1.7 iNTeg-Risk project: Providing the basis for a harmonized EU response to the challenges of New Technologies – A. Jovanovic, CEO EU-VRI, iNTeg-Risk Project Coordinator, Germany</li> </ul>
<b>10:30 – 11:00</b>	<b>Coffee break - visiting the exhibition</b>
<b>11:00 – 12:30</b>	<p><b>2. Emerging Risks related to new technologies – the European perspective</b> (Chair: A. Jovanovic, EU-VRI, Germany; O. Renn, ZIRN Univ. Stuttgart, Germany P.-A. Schieb, OECD, France)</p> <ul style="list-style-type: none"> <li>2.1 European Technology Platform on Industrial Safety (ETPIS) as a catalyst of matching stakeholder needs within EU research - C. Jochum, Chairman ETPIS, Germany</li> <li>2.2 Healthy workplaces, "Good for you, good for your business" a European campaign on Risk Assessment – E. Brun, EU-OSHA, EU</li> <li>2.3 How the industry copes with emerging risks due to new technologies – the case of nanotechnology at BASF - W. Gerhardt, BASF, Germany</li> <li>2.4 Industry response to risks emerging from human and organizational changes – Ph. Klein, EDF, France</li> <li>2.5 Emerging risks in public perception: Will we face an acceptance crisis? – O. Renn, ZIRN Univ. Stuttgart</li> </ul>
<b>12:30 – 13:30</b>	<b>Lunch (buffet) in the iNTeg-Risk Exhibition area</b>
<b>13:30 – 14:45</b>	<p><b>3. Emerging Risks related to new technologies – international perspective</b> (Chair: M. Brun, EU-OSHA; C. Jochum, ETPIS, Germany)</p> <ul style="list-style-type: none"> <li>3.1 New Technologies and Corporate Responsibility — The role of Carbon Accounting - S. Barthelmes, R. X. Ruter, Ernst &amp; Young, Germany</li> <li>3.2 Embedding HSE risk assessment procedures into R&amp;D process for emerging technologies in Japan - A. Kishimoto, AIST, Japan</li> <li>3.3 Situation and Development of Industrial Safety in China - C. F. Huang, B. Zhang and Y. Liu, Risk Analysis Council of China Association for Disaster Prevention, China</li> <li>3.4 Recent OECD efforts to harmonize approaches to safety and risk indicators - P.-A. Schieb, OECD, France</li> <li>3.5 Opportunities for and expectations of government organizations in EU R&amp;D projects - M. Hailwood, LUBW Landesanstalt für Umwelt, Messungen und Naturschutz Baden-Württemberg, Germany, Chair of the OECD Working Group on Chemical Accidents</li> </ul>
<b>14:45 – 15:00</b>	<b>Coffee break - visiting the exhibition</b>



**15:00 – 16:15**

## **4. Emerging issues in emerging risks I**

(Chair: L. Cusco, HSE/HSL, UK; R. Schneider, Swiss Re, Switzerland)

- 4.1 The limits of engagement in emerging technologies – R. Flynn, Univ. of Salford, UK
- 4.2 Emerging risks: a proactive view from insurance industry – R. Schneider, Swiss Re, Switzerland
- 4.3 Public Awareness Promoting New or Emerging Risks: The Case of Industrial Accidents Triggered by Natural Hazards – E. Salzano, A. Basco, CNR, Italy; V. Busini, R. Rota, E. Renni, V. Cozzani, CONPRICI, Italy
- 4.4 Emerging risks in complex systems – discovering risks in complex system by intelligent simulation of their behavior – H. Fujii, S. Yoshimura, Univ. of Tokyo, Japan
- 4.5 Overview of the project "Alfa-Bird" (Alternative fuels and biofuels for aircraft development)- O. Salvi, EU-VRI

**16:15 – 16:30**

## **Break - visiting the exhibition**

**16:30 – 17:30**

## **5. Emerging issues in emerging risks II**

(Chair: G. Lenkey, BZF, Hungary; Jesús M López de Ipiña, LEIA, Spain)

- 5.1 How the regulator can anticipate and react to emerging risks proportionately - L. Cusco, HSE/HSL, UK
- 5.2 Searching for synergies among the EU R&D projects - H. Wenzel, VCE, Austria
- 5.3 Use of modern risk appraisal and modeling tools in nanotechnology applications (EU Project MUST) - D. Balos, R-Tech, Germany; N. Filipović, Harvard School of Public Health, US
- 5.4 Emerging Risks: How can standardization brokers/organizations support the anticipation and management process - H. Behrens, DIN, Germany

**17:30 – 18:00**

## **6. Discussion**

**18:00 – 20:00**

## **Conference Dinner (buffet) - exhibition area**

Dinner Welcome:

Large European research projects as a chance for fostering university cooperation and education in emerging scientific areas - C. Fourcaud, Embassy of France, Germany

Steinbeis – Competitive Transfer of Technology and Innovation - U. Haug, Steinbeis Foundation, Germany

**June 3, 2009**

<b>09:00 – 10:30</b>	<b>7. Presenting the iNTeg-Risk project: Corner Stones</b> (Chair: F. Bagnoli, D'Appolonia, Italy; S. Bowadt, EC DG Research, EU) 7.1 From Shape-Risk to iNTeg-Risk - O. Salvi, EU-VRI 7.2 From IRGC Framework and sample applications (ERRAs) to Emerging Risk Management Framework (ERMF) - A. Jovanovic, O. Renn, P. J. Schweizer, ZIRN Univ. of Stuttgart, Germany 7.3 Non-mandatory forms offered by CEN for consensus building in EU RTD projects - A. Pirlet, CEN, Belgium 7.4 Catalogue of risks and its limitations - D. Proske, University of Natural Resources and Applied Life Sciences, Vienna, Austria 7.5 Combining LCA and RA for the integrated risk management of emerging risks- Leo Breedveld, 2B Consulenza Ambientale, Italy 7.6 UML as a tool modeling of risks - M. Ström, Swerea IVF, Sweden
<b>10:30 – 11:00</b>	<b>Coffee break – visiting the exhibition</b>
<b>11:00 – 12:30</b>	<b>8. Presenting the iNTeg-Risk project: Presenting and analyzing iNTeg-Risk ERRAs (Emerging Risk Representative Industrial Applications) (SP1)</b> (Chair: M. Zarea, GDF SUEZ, France; B. Debray, INERIS, France) 8.1 Aspects and needs related to emerging risks within industrial safety area including various dimensions of safety - An EU-Policy Perspective Viewpoint - A. Boenke EC DG Enterprise and Industry, EU 8.2 From specific industrial problems to a common European approach in iNTeg-Risk ERRAs - M. Zarea, GDF SUEZ, France; B. Debray, INERIS, France 8.3 Emerging risks due to extreme storage of hazardous materials - U. Krause, BAM, Germany; P. Lerena, SWISSI, Basel, Switzerland 8.4 Nanotechnologies & SMEs (Small and Medium Enterprises) - G. Klein, TÜV Süd, Germany 8.5 Emerging risks in alternative strategies of CO <sub>2</sub> capture and storage - P. Auerkari, S. Holmström, J. Salonen, A.-M. Heikkilä, VTT, Finland 8.6 Providing common basis for exploring and reporting on emerging risks ("ERRA template") - K. Øien et.al., SINTEF, Norway; E. Kon, EU-VRI, Israel/Germany
<b>12:30 – 13:45</b>	<b>Lunch (buffet) in the iNTeg-Risk Exhibition area</b>
<b>13:45 – 15:15</b>	<b>9. Presenting the iNTeg-Risk project: Harmonizing the approaches into a common framework (ERMF - Emerging Risks Management Framework) (SP2)</b> (Chair: C. Duval, EDF, France; V. Cozzani, UNIBO, Italy) 9.1 How a common solution for emerging risk will look like and be applied - C. Duval, G. Deleuze, EDF, France; V. Cozzani, CONPRICI, Italy 9.2 Process Improvement and Emerging Risk Management. The CMMI + SAFE Approach- F. Bagnoli, D'Appolonia, Italy 9.3 Methodology to build Key Performance Indicators (KPIs): for industrial or occupational safety? How to build efficient KPIs? - C. Duval, Y. Dien, M. Voirin, EDF, France 9.4 Decider: A Fuzzy Multi-Criteria Group Decision Support System Software - J. Ma, J. Lu and G. Zhang, Faculty of Engineering and Information Technology UTS, Australia 9.5 An investigation of the safety attitudes of designers in the Safety-Critical Industries - N. J. Beesley, K. Daniels, A. Cheyne, V. Wimalasiri, Loughborough University, UK 9.6 The Occupational Risk Model and the ORM tool - I. A. Papazoglou, O. N. Aneziris, M. Konstantinidou, National Centre for Scientific Research "DEMOKRITOS", Greece
<b>15:15 – 15:30</b>	<b>10. Final discussion and break-out session "Where do we want to be in iNTeg-Risk in June 2010, where in June 2013"</b> <b>Panel Discussion</b> : C. Jochum, ETPIS; J.J. Meulenbrugge, TNO; V. Laflèche, INERIS; G. Lenkey, BZF; J. López de Ipiña, LEIA; A. Pirlet, CEN; M. Zarea, GDF-SUEZ; R. Schneider, Swiss Re
<b>15:30</b>	<b>End of the Conference</b>

Note: IAB Meeting and Dinner will take place in the follow-up of the conference - please see the "Accompanying Events" Agenda