Third
Announcement, Call for Participation

2nd iNTeg-Risk Conference: New Technologies & Emerging Risks

Annual Topic: Dealing with multiple and interconnected emerging risks

June 14 – 18, 2010

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

www.integrisk.eu-vri.eu

EU-VRi

European Virtual Institute for Integrated Risk Management

Stuttgart 2010

After the success of the 1st iNTeg-Risk Project Conference organized in Stuttgart on June 2-4, 2009 with more than 250 participants and 44 papers presented, the

2nd iNTeg-Risk Conference:
New Technologies & Emerging Risks

Annual Topic: Dealing with multiple and interconnected emerging risks

will take place in

Stuttgart on June 14-18, 2010

Main purpose of the conference is to provide a forum at which the topics relevant for the EU "flagship project" iNTeg-Risk ("Early Recognition, Monitoring and Integrated Management of Emerging, New Technology Related, Risks", www.integrisk.eu-vri.eu), involving a budget of almost 20 million €, more than 80 leading European companies and more than 400 professionals working on the project directly, can be openly and thoroughly discussed among all interested parties. It is, therefore, a unique opportunity for project partners to communicate their results to the "outside world" and an opportunity to interested professionals, not participating in the project, to learn "from one hand" about the project. Hence, all professionals working in the areas of risk/safety related emerging, communication, legislation and policy making are encouraged to contribute.

This year the conference will be focused but not limited onto the issues related to dealing with multiple and interconnected emerging risks of New Technologies. The conferences will be accompanied (see the program below) by 10 specialized workshop and courses devoted to major topics dealt with in iNTeg-Risk, by an exhibition and series of project meetings.

High-level representatives from government, regulatory and standardization bodies, EU and EU agencies, industry, press and other organizations will also participate, and this will provide a unique opportunity to meet and exchange experiences among different stakeholders groups.

We are looking forward to welcoming you in Stuttgart.

on behalf of the Conference Board and the Program Committee

A. Jovanovic, iNTeg-Risk Project Coordinator

Program

I. Pre-conference Courses and Workshops
June 14, 2010

I.1. Course: Principles of IRGC Framework

I.2. Course: Life Cycle Assessment

I.3. Course: Life management, maintenance and aging (OSHA)

I.4. Course: Use of semantic technology (web text-mining) to generate early warning information for risk management

II. Main Conference
June 15-16, 2010

The Main Conference will be organized as a "single track" event focusing onto major contribution from the main stakeholders (industry partners, SMEs, EU, government and regulatory bodies). A special poster session will take place on June 15, 2010.

III. Post-Conference Courses and Workshops
June 17-18, 2010

III.1. Workshop: Concept and Applications of Key Performance Indicators for New Technologies

III.2. Course: Nanosmile – Communicating risks related to nanotechnologies

III.3. Workshop: New Technologies and CSR (Corporate Social Responsibility)

III.4. Workshop: China-Europe partnership in the area of emerging risks

III.5. Workshop: ERRA-Integration Delphi-Workshop

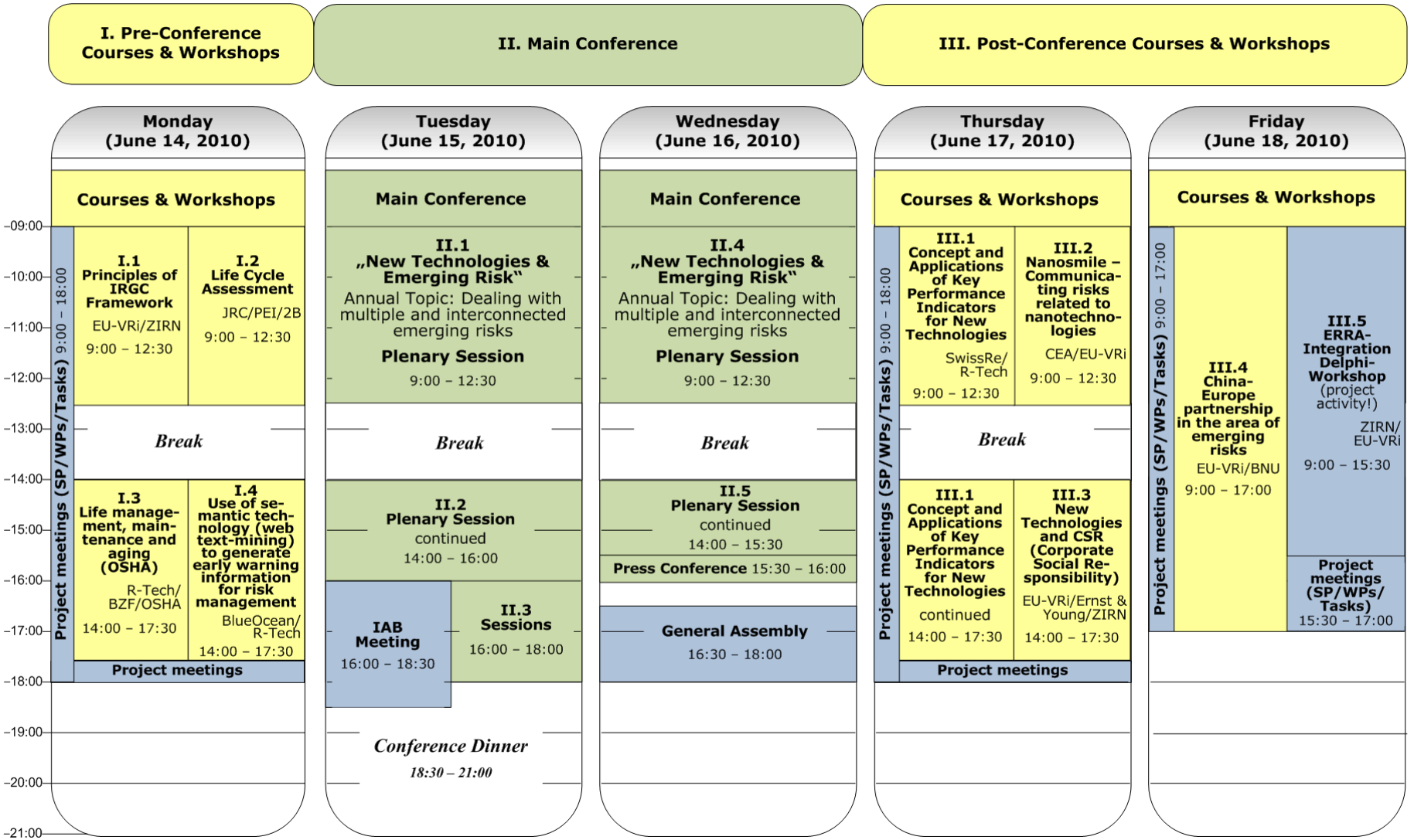
NOTE:
The conference courses are intended for groups of 12-20 people, with few main lectures given by the course coordinators, acting also as chairpersons of the course and moderators of the discussions.
The conference workshops are intended for groups of 15-80 people with presentations from different authors and collegial discussions. The workshop coordinators may, but need not necessarily be the chairpersons and moderators.

IV. Accompanying events
June 14-18, 2010

- **Project meetings** for single project activities (Workpackage and Task meetings)
  June 14 - 18, 2010
- **International Advisory Board** (IAB) Meeting
  June 15, 2010
- Project **General Assembly** (GA)
  June 16, 2010

iNTeg-Risk Conference 2010

(preliminary program, May 6, 2010)



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

iNTeg-Risk
Early Recognition, Monitoring and Integrated Management of Emerging, New Technology Related, Risks
Grant agreement number: CP-IP 213345-2

Detailed Agenda (DRAFT)

NOTE: All Chairpersons' names are tentative.

Main Conference

June 15, 2010

08:00 – 09:00	**Registration and getting together** (Coffee and refreshments)
II.1.	**"New Technologies & Emerging Risk" – Plenary Session**
09:00 – 10:30	**Welcome & Introduction** (Chair: O. Renn, EU-VRi; A. Jovanovic, EU-VRi; W. Gerhardt, BASF) II.1.1 Welcome - K. Tappeser, Science and the Arts Baden-Württemberg, Germany (10') II.1.2 Welcome - W. Ressel, University of Stuttgart, Germany (10') II.1.3 Welcome - H. Trasch, President Steinbeis, Germany (5') II.1.4 Welcome - V. Laflèche, Director General, INERIS, France (10') II.1.5 Welcome - C. Dumon, Consul General of France, Stuttgart, Germany (5') II.1.6 Aspects of the Future Innovation Policy and the Industrial Safety Area - A. Boenke, European Commission DG Enterprise and Industry, Belgium (20') II.1.7 WEF – GRR (World Economic Forum - Global Risk Report): Global risk landscape and implication on the industry - R. Schneider; Swiss Reinsurance Company, Switzerland (20') Discussion (10')
10:30 – 11:00	**Coffee break**
11:00 – 12:30	**Presenting iNTeg-Risk** (Chair: V. Laflèche, INERIS; A. Boenke, European Commission; Ch. Huang, Beijing Normal University) II.1.8 Future Global shocks: are there prospects for progress on understanding propagation? - P.-A. Schieb, OECD, France (20') II.1.9 EU perspectives on new industrial technologies and related innovation risk - A. Cipollaro, European Commission, Belgium (10') II.1.10 Risk communication for emerging technologies - O. Renn, T. Assmuth, M. Hilden, University of Stuttgart; C. Benighaus, DIALOGIK, Germany (20') II.1.11 iNTeg-Risk project: concept and first results - A. Jovanovic, EU-VRi, Germany (30') Discussion (10')
12:30 – 14:00	**Lunch (buffet)**
II.2.	**"New Technologies & Emerging Risk" – Plenary Session (continued)**
14:00 – 16:00	**iNTeg-Risk, Industrial application aspects** (Chair: O. Salvi, EU-VRi; R. Schneider, Swiss Re; C. Duval, EDF) II.2.1 Innovation as response to emerging risks – W. Gerhardt, BASF, Germany (20') II.2.2 IRGC's approach to emerging risks – M.V. Florin, International Risk Governance Council, Switzerland (20') II.2.3 Integrated Risk and Process Management - the key to identify emerging risks and compliance issues from a corporate point of view – U. Rothfuchs, DEKRA, Germany (20') II.2.4 How to build efficient technological key performance indicators: A contribution to ensure a proper management of industrial safety - C. Duval, Y. Dien, EDF, France (20') II.2.5 Voluntary certification for nanotechnologies - G. Klein, TÜV-SÜD, Germany (15') II.2.6 Ensuring wide-scale exploitation of the iNTeg-Risk results: the modalities and added value of standardization - A. Pirlet, CEN - European Committee for Standardization, Belgium (15') Discussion (10')

II.3. Sessions (parallel): iNTeg-Risk – first results

16:00 – 18:00

Session 1 – Management Aspects of Emerging Risks

(Chair: E. Salzano, IRC-CNR; J. Lexow, BAM; Q. You, Beijing Research Center of Urban Systems Engineering)

II.3.1 Tri-Level Decision Models for Interconnected Risk Analysis - J. Lu, G. Zhang, University of Technology, Australia; J. Montero, L. Garmendia, Complutense University, Spain (15'+5')

II.3.2 Emerging risk management needs early warning information – semantic web technology, applied to the internet, can generate it - L. Keller, Blue Ocean, Switzerland (15'+5')

II.3.3 A new methodology for NaTech (Natural-technological) risk assessment - M. Reimeringer, INERIS, France; E. Krausmann, JRC, Italy; V. Cozzani, R. Rota, CONPRICI, Italy; E. Salzano, IRC-CNR, Italy; I. Papazoglou, DEMOKRITOS, Greece (15'+5')

II.3.4 Multi-attribute analysis of the severity of the consequences during urban gas pipeline risk assessment - Q. You, W. Zhu, K. Liu, Beijing Research Center of Urban Systems Engineering, China (15'+5')

II.3.5 On-line monitoring and assessment of emerging risk in conventional industrial plants –possible way to implement integrated risk management approach - G. Lenkey, P. Rózsahegyi, J. Németh, BZF, Hungary; A. Jovanovic, Steinbeis R-Tech, Germany (15'+5')

II.3.6 Risk based assessment of wind power generators and farms - E. Dias Lopes, A. Correia da Cruz, ISQ and ISEL Instituto de Soldadura e Qualidade, Portugal; J. Gonçalves, Instituto Superior de Engenharia de Lisboa, Portugal (15'+5')

Session 2 – Technical & Engineering Aspects of Emerging Risks

(Chair: D. Pinchbeck, GERG; I. Papazoglou, DEMOKRITOS; M. Zarea, GDF Suez)

II.3.7 Start up of new process technology in the process industries: preparing for an extreme event - T. Lager, Grenoble Ecole de Management, France; N. Beesley, Loughborough University, England (15'+5')

II.3.8 Guideline for managing CUI (Corrosion under Insulation) in oil refinery and petrochemical industry - Y. Kimura, S. Hara, K. Yamamoto, K. Asakura, Kogakuin University, Japan (15'+5')

II.3.9 First steps in developing an automated aerial surveillance approach - Murès Zaréa, Gael Pognonec, GDF SUEZ, France; Christina Schmidt, Tilo Schnur, Definiens, Germany; José Lana, Enagas, Spain; C. Böhm, GDS GmbH, Germany; Marco Buschmann, Mavionics, Germany; Chabane Mazri, INERIS, France; Eric Rigaud, Mines Paris Tech, France (15'+5')

II.3.10 Integrated risk assessment for onshore and offshore LNG terminals - O. Aneziris, I. Papazoglou, M. Konstantinidou, N.C.S.R. "DEMOKRITOS", Greece (15'+5')

II.3.11 On-Line monitoring and assessment of emerging risks in conventional industrial plants – possible way to implement integrated risk management approach and KPI's - M. Misita, Faculty of Mechanical Engineering, Serbia; P. Stanojevic, B. Orlic, NIS Petroleum Industry, Serbia; N. Tatalovic, EPS, TE-TO, Serbia; G. Lenkey, BZF-Bay Zoltan Foundation for Applied Research, Hungary (15'+5')

II.3.12 TR@IN-MD: A System aimed at intelligent transportation of dangerous goods by railway - A. Azarian, Institut Ligeron, France; V. Delcour, SNCF, France; J. M. Armani, CEA, France (15'+5')

Session 3 – Human & Management Aspects of Emerging Risks

(Chair: R. Flynn, Institute for Social, Cultural and Political Research; J. Thommesen, DTU; M. Ström, Swerea IVF)

II.3.13 Risk assessment of national and local eHealth platforms - O. Rienhoff, Universitätsmedizin Göttingen Georg-August-Universität, Germany (15'+5')

II.3.14 Human rights or humans looking for "rights" to protect themselves from advances and risks (unknown) of nanotechnologies - A. Stringhi Flores, W. Engelmann, Universidade do Vale do Rio dos Sinos, Brazil (15'+5')

II.3.15 Management system for achieving safety and prevention at work place - M. R. Vallerotonda, M. Mariani, R. Lauri, A. Nebbioso, A. Pirone, ISPESL, Italy (15'+5')

II.3.16 Subcontracting railway maintenance – challenges to safety - J. Thommesen, Technical University of Denmark, Denmark (15'+5')

II.3.17 UML Modelling concepts of HAZOP to enhance the ability to identify emerging risks - M Ström, Swerea IVF, Sweden; R Koivisto, VTT, Finland; D Andersson, Swerea IVF (15'+5')

II.3.18 Deliberation over new hydrogen energy technologies: evidence from two citizens' panels in the UK - R. Flynn, Institute for Social, Cultural and Political Research, United Kingdom (15'+5')

16:00 – 18:00	**Session 4 – Governance & Regulation Aspects of Emerging Risk** (Chair: A. Kozak, Office of Technical Inspection, Poland; L. Breedveld, 2B Consulenza Ambientale, Italy) II.3.19 Risk governance for emerging technologies – the state-of-the-art in iNTeg-Risk: results from a telephone survey -D. Scheer, ZIRN - University of Stuttgart, Germany (15'+5') II.3.20 Outline of the iNTeg-Risk LCA guidelines – L. Breedveld, 2B Consulenza Ambientale, Italy (15'+5') II.3.21 Managing new technology risk in safety critical systems – F. Matarese, D. Dell'Amura, SESM, Italy (15'+5') II.3.22 Risk management in Polish process industry – practical approach; A. Kozak, Office of Technical Inspection, Poland (15'+5') II.3.23 Safetypedia – A safety window to the world with expansion potential towards algorithm to extract emerging risk – E. Kon, EKON Modeling Software Systems Ltd., Israel (15'+5') II.3.24 Liaisons to national and EU authorities and transfer of research results – J. Lexow, U. Krause, BAM, Germany (15'+5')
16:00 – 18:00	**Poster Session (Coordinator: M. Löscher)** II.3.25 Development of CWAs in iNTeg-Risk project - H. Behrens, DIN German Institute for Standardization, Germany II.3.26 Improvement in the analysis of emerging risks through modified FMEA method - V. Popović, B. Vasić, V. Spasojević-Brkić, Faculty of Mechanical Engineering, Serbia II.3.27 Nanomaterials, risk governance systems and technology roadmapping - A. Toikka, S. Heikkilä, University of Helsinki, Finland II.3.28 Analyses of key performance indicators in gas industry - H. Pačaiová, J. Sinay, A. Nagyová, J. Glatz, M. Balážiková, Technical University of Kosice, Slovakia II.3.29 The use of modern technology for post-emergency rescue activities - M. Boskovic, Faculty for Security Studies, Beograd, Serbia II.3.30 Application of GPS system in the company "Dunav Insurance" to reduce risk of vehicles theft - V. Spasojević Brkić, A. Janković, V. Popović, University of Belgrade, Serbia II.3.31 Comparative analysis of risk assessment in the field of fire protection and occupational and health safety - B. Nikolić, Biljana Gemović, Duško Gavanski, The Higher Education Technical School of Professional Studies, Serbia II.3.32 Management of risk in the area of occupational and health safety - B. Nikolić, Biljana Gemović, Duško Gavanski, The Higher Education Technical School of Professional Studies, Serbia Authors: Duško Gavanski, Biljana Gemović II.3.33 Towards a checklist for identification of a typical event scenarios - N. Paltrinieri, N. Dechy, E. Salzano, M J. Wardman, Health and Safety Laboratory, United Kingdom II.3.34 Methodological framework and assessment of conventional risks related to White Biotechnology - A.L. Roes, Utrecht University, Netherlands II.3.35 The specific challenges for an integrated risk assessment of Carbon Capture and Storage (CCS) - R. Farret, J. Hebrard, P. Gombert, INERIS, France, M. Wardman, J. L. Saw, T. Holmes, HSL, United Kingdom
18:30 – 21:00	**Conference Dinner**

Main Conference

June 16, 2010

II.4. **"New Technologies & Emerging Risk" – Plenary Session**

09:00 – 10:30	**iNTeg-Risk Results vs. Other Relevant Projects I** (Chair: K. Øien, SINTEF; R. Rota, Politecnico di Milano; J. Potthoff, Bayer) II.4.1 Approaches for a generic methodology for storage of hazardous energy carriers and waste products - U. Krause, C. Knaust, I. Vela, BAM, Germany; P. Lerena, Swiss Institute for the Promotion of Safety and Security, Switzerland; P. Auerkari, VTT, Finland (20') II.4.2 A desktop-based assessment of the risks related to the combustion of polymer nanocomposites in a municipal solid waste incineration plant - A.L. Roes, Utrecht University, Netherlands (20') II.4.3 A new approach for emerging risk assessment and communication in the European Distributed Energy Resources Sector (DER) - J. M. López de Ipiña, Fundación LEIA, Spain; A. Moreno, Iberdrola SA, Spain; J. Goitia, L. Azpiazu, Iberdrola Distribution Electra SA, Spain (20') II.4.4 Identification of reference accident scenarios for LNG regasification terminals - V. Cozzani, S. Benucci, G. Uguccioni, E. Salzano, G. Landucci, A. Tugnoli, G. Antonioni, S. Bonvicini; CONPRICI University of Bologna, Italy (20') Discussion (10')
10:30 – 11:00	**Coffee break**
11:00 – 12:30	**iNTeg-Risk Results vs. Other Relevant Projects II** (Chair: A. Moreno, Iberdrola; U. Krause, BAM; A. Kishimoto, AIST) II.4.5 Consequence analysis for LNG regasification plants emerging risks - R. Rota, M. Pontiggia, M. Derudi, V. Busini, Maurizio Masi, R. Bubbico, S. Benucci, G. Uguccioni, Politecnico di Milano, Italy (15') II.4.6 Holistic Asset Life Cycle Management - Identification and mitigation of operational risks during design and maintenance of processing plants - J. Potthoff, H. Cznotka, Bayer Technology Services GmbH, Germany (15') II.4.7 Emerging risk of autoignition and fire in underground coal storage - J. Sipilä, Helsinki Energy, Finland; P. Auerkari, A. M. Heikkilä, VTT Technical Research Centre of Finland; U. Krause, BAM, Germany (15') II.4.8 Remote operation in environmentally sensitive areas, development of early warning indicators - K. Øien, SINTEF Technology and Society, Norway (15') II.4.9 iNTeg-Risk ERRA A5: Safety and security of underground hubs with interconnected transportation services and shopping centers - M. Wietek, VSH Hagerbach Test Gallery Ltd, Switzerland; H. Ingason, SP Technical Research Institute of Sweden, Sweden; F. Leismann, Studiengesellschaft für unterirdische Verkehrsanlagen e. V., Germany; F. Fouillen, INERIS, France (15') Discussion (15')
12:30 – 14:00	**Lunch (buffet)**

II.5. **"New Technologies & Emerging Risk" – Plenary Session (continued)**

14:00 – 15:00	**iNTeg-Risk Results vs. Other Relevant Projects III** (Chair: U. Haug, Steinbeis; V. Cozzani, CONPRICI; J. M. López de Ipiña, LEIA) II.4.10 Integration of the time dimension in the risk assessment of Carbon Capture and Storage (CCS) - R. Farret, J. Hebrard, P. Gombert, INERIS, France, M. Wardman, J. L. Saw, T. Holmes, HSL, United Kingdom (15') II.4.11 Redefining safety in the era of risk trade-off and sustainability - A. Kishimoto, National Institute of Advanced Industrial Science and Technology, Japan (15') II.4.12 EU Projects in the Financial Statements and Annual Reports of the Participating Partners, and Specific Tax-related Issues - G. Schröder, Ebner, Stolz & Partner, Germany (15') II.4.13 The increased importance of corporate responsibility for today's risk and reputation management - M. Wiedemann, Ernst & Young AG, Germany (15')
15:00 – 15:30	**Panel discussion:** **What has iNTeg-Risk reached in its first year? Expectations met? Where should it be in June 2010? In June 2013?** Moderation: A. Jovanovic, EU-VRi; J. Meulenbrugge, TNO Preliminary list of panelists: F. Bagnoli, D'Appolonia; V. Cozzani, CONPRICI; B. Debray, INERIS; C. Duval, EDF; G. Lenkey, BZF; J. M. López de Ipiña, LEIA; R. Schneider, Swiss Re; M. Zarea, GDF Suez
15:30	**End of the Conference**

Concepts of workshops/courses

iNTeg-Risk Course I.1 with extended discussion on

Principles of IRGC Framework:

Applying IRGC's framework to emerging risk covered in iNTeg-Risk

June 14, 2010
Stuttgart
Haus der Wirtschaft, Room Heilbronn
Willi-Bleicher-Strasse 19, 70174 Stuttgart

Hosted by EU-VRi

Event organized by EU-VRi irgc Universität Stuttgart

Concept of the course (DRAFT)

Course Committee

M.-V. Florin, International Risk Governance Council, Switzerland
A. Jovanovic, European Virtual Institute for Integrated Risk Management, Germany
O. Renn, University of Stuttgart, Germany

Contact & Organization

R. Kokejl, University of Stuttgart, Germany
M. Löscher, European Virtual Institute for Integrated Risk Management, Germany
A. Veres, Steinbeis Advanced Risk Technologies GmbH, Germany

About the course

One of the challenges in the FP7 project iNTeg-Risk (Early recognition, monitoring and integrated management of emerging, new technology related risks; www.integrisk.eu-vri.eu) is the development of the Emerging Risks Management Framework (ERMF). To elaborate such a framework, which should be broadly applicable and extend to a large number of new technologies tackled by the project, it is important to have a good starting point and a basis that may serve as guidance and give orientation for further scientific work. In iNTeg-Risk, the framework developed by the International Risk Governance Council (IRGC) was selected as one of the cornerstones of the project. When starting the project, IRGC's framework with its phases pre-assessment, appraisal, characterization/evaluation, management and communication was considered worthy of being elaborated and adjusted to the needs of new technologies and emerging risks during the project.
In 2009, IRGC developed and illustrated the concept of "risk governance deficits" as deficiencies or failures in the way risks are assessed, managed or communicated, with a view to suggesting possible remediation and improvements in the global risk governance process. This approach was deliberately pursued with a view to establishing a concrete link between the framework and emerging risks.
This course will give a first outlook on what has been done in the first year of the iNTeg-Risk project with respect to the above mentioned and may identify additional needs and correctives to be implemented. With the close collaboration of the project management and IRGC representatives in organization of this course, it will be a great opportunity not only for project members, but also for externals, to work closely together with persons from the core group of framework developers on concepts needed for successful future risk management. The first results of the work related to the application of the framework in the iNTeg-Risk project will be discussed, too.
Participants in the course will benefit from:

- An introduction to the IRGC risk governance framework and deficits, by their developers
- A presentation of examples of promising application of the framework
- An exchange of experiences in adjustment of the framework to the needs of emerging risks

The target audience for this course consists of risk experts of varied backgrounds (from engineering to social science) from both companies and public authorities.

iNTeg-Risk Course I.2 on

Life Cycle Assessment:

How to perform LCA for New Technologies?

June 14, 2010
Stuttgart
Haus der Wirtschaft, Room Reutlingen
Willi-Bleicher-Strasse 19, 70174 Stuttgart

Hosted by

Event organized by

Concept of the course (DRAFT)

Course Committee

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H. Florin, PE International, Germany

J. Guinée, CML Leiden, The Netherlands

A. Jovanovic, European Virtual Institute for Integrated Risk Management, Germany

Contact & Organization

R. Kokejl, University of Stuttgart, Germany

M. Löscher, European Virtual Institute for Integrated Risk Management, Germany

A. Veres, Steinbeis Advanced Risk Technologies GmbH, Germany

About the course

Life Cycle Assessment is an instrument used for evaluation of potential environmental impacts of products or services throughout its entire life cycle. In this course, LCA experts will explain the basic concepts of LCA and present the leading software tools supporting this assessment. The major focus will be on life cycle analysis for New Technologies and their associated Emerging Risks. How to adjust "traditional" LCA methods and tools to make them applicable for New Technologies and how to deal with the obvious difficulties like uncertainties and lack of knowledge of their life cycle are main questions the course will attempt to answer. The course will be organized in close collaboration with developers and resellers of two market leading software tools (GaBi and SimaPro). Main expected benefits for the participants of this course are:

- General introduction to methods and tools of Life Cycle Assessment (LCA).
- Learn about incorporation of life cycle concepts (methods and tools) in the field of emerging risks.

Expected participants of this course are project members, Risk Analysis experts and LCA experts from companies and public authorities.

iNTeg-Risk Course I.3 on

Life management, maintenance and aging (OSHA)

June 14, 2010
Stuttgart
Haus der Wirtschaft, Room Heilbronn
Willi-Bleicher-Strasse 19, 70174 Stuttgart

Hosted by EU-VRi

Event organized by EU-VRi

Concept of the course (DRAFT)

Course Committee

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M. Löscher, European Virtual Institute for Integrated Risk Management, Germany
R. Kokejl, University of Stuttgart, Germany
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About the course

The course is aimed to provide an opportunity to explore the risk in day-to-day operation of industrial plants, power and petrochemical plants in particular. In the daily practice risk appears on two main levels:

a) As a part of a safety, reliability and availability problems (e.g. the components failing die to aging or other problems) and
b) As an opportunity to optimize management of the plants focussing on critical issues and saving resources in non-critical areas.

When dealing with both issues, much of the practice is already well defined and even covered by normative documents, regulation, standards or agreed guidelines. But new risks, unaccounted for in these documents, appear.

a) Extending the plant life beyond the design limits
b) Changing operation patterns
c) Introducing new technologies when refurbishing old plants

appear regularly as sources of new risks and "surprises" for virtually all stakeholders – not only operators, but also regulators, inspectors, consultants.
The course will address these issues for the two abovementioned type of plants (power and petro-chemical) and look at the risks related to:

- Material lifetime assessment & Component inspection
- Component/Plant maintenance & Asset management

Issues specific for iNTeg-Risk, such as

- Integrated management of risks, also by means of integrated tools,
- Identification and treatment of emerging risks and
- Use of KPIs (Key Performance Indicators)

will be tackled in the context of performance-oriented and efficient operation. The target audience are primarily engineers and all other professionals involved and/or interested in safe and reliable operation of industrial plants.

iNTeg-Risk Course I.4 on

Use of semantic technology (web text-mining) to generate early warning information for risk management

June 14, 2010
Stuttgart
Haus der Wirtschaft, Room Reutlingen
Willi-Bleicher-Strasse 19, 70174 Stuttgart

Hosted by EU-VRi

Event organized by stw BlueOcean Swiss Re

Concept of the course (DRAFT)

Course Committee

L. Keller, Blue Ocean-SWS, Switzerland

R. Schneider, Swiss Reinsurance Company, Switzerland

Contact & Organization

M. Löscher, European Virtual Institute for Integrated Risk Management, Germany

R. Kokejl, University of Stuttgart, Germany

About the course

Emerging Risk Managements relies very much on early warning information.
The internet gives a real-time access to almost infinite sources of information – semantic web technology offers the framework to build efficient and effective solutions to generate automatically highly relevant information for dedicated knowledge needs.
This course will give an overview about the technologies (and the providers) that fit early warning needs in risk management.
We will give an introduction to the concepts of semantic web technologies and semantic intelligences, and we will show running solutions in the sectors of nano-technologies, alternative energy, pharma product risks, and others.
Main benefits for the participants of this course are:

- Deep insight into the value of different web sources from a risk management perspective (scientific, stakeholder, government, databases, consumer generated contents).
- An overview of the potentials of semantic web technologies and semantic intelligence solutions and the major providers in the market.
- An introduction how to use these technologies and sources for emerging risk management purposes practically (3 professional examples used by re-insurances).

Target participants of this workshop are project managers, Innovation- and Knowledge- Managers, governmental experts and scientific representatives.

iNTeg-Risk Workshop III.1 on

Concepts and Applications of Key Performance Indicators for New Technologies

June 17, 2010
Stuttgart
Haus der Wirtschaft, Room Bertha-Benz-Saal
Willi-Bleicher-Strasse 19, 70174 Stuttgart

Hosted by

Event supported by

Concept of the workshop (DRAFT)

Workshop organizers

Y. Dien & C. Duval, Electricité de France, France

M. Hailwood, Landesanstalt für Umwelt, Messungen und Naturschutz Baden-Württemberg, Germany, Chair of the OECD Working Group on Chemical Accidents

A. Jovanovic, European Virtual Institute for Integrated Risk Management, Germany

G. Kuhn, BASF, Germany

K.-J. Niemitz, Clariant Produkte GmbH, Germany / EPSC, UK (ytbc)

R. Schneider, Swiss Re, Switzerland

Contact & Organization

R. Kokejl, University of Stuttgart, Germany

M. Löscher, European Virtual Institute for Integrated Risk Management, Germany

A. Veres, Steinbeis Advanced Risk Technologies, Germany

About the workshop

The workshop will address the issue of Key Performance Indicators (KPIs) as used, or planned to be used in iNTeg-Risk Project (www.integrisk.eu-vri.eu). In the project KPIs are one of the four main cornerstones of the methodology for assessing and managing emerging risks linked to New Technologies (the other three being the IRGC Framework, UML and Basel-II-like procedure for assessing the risks). In particular, the application of KPIs for the 17 ERRAs of iNTeg-Risk (ERRAs – Emerging Risks Representative Applications) is supposed to be looked at in more detail. This should be the case both for the ERRA-specific KPIs and for the KPIs used to compare ERRAs and single risk issues within each of them.
Main concepts developed by organizations like OECD, HSE/HSL, CCPS or VCI will be discussed in the first part of the workshop. Application of these and other concepts is foreseen to be tackled in the second and third part of the workshop, where also the practical aspects of these applications, including tools and the practical view from the industry on the use of indicators will be presented and discussed.
Main expected benefits for the participants are:

- Introduction to the KPI concepts, by their developers
- Presentation of examples of application, both within iNTeg-Risk and outside iNTeg-Risk
- Exchange of experiences in using KPIs both within iNTeg-Risk and in other projects/activities

Expected participants to this course are plant engineers, managers and risk experts.

iNTeg-Risk Course III.2 on

Nanosmile – Communicating risks related to nanotechnologies:

What can be expected from e-information support for emerging risks governance?

June 17, 2010
Stuttgart
Haus der Wirtschaft, Room Ulm
Willi-Bleicher-Strasse 19, 70174 Stuttgart

Hosted by EU-VRi

Event organized by EU-VRi nanoSAFE

Concept of the course (DRAFT)

Course Committee

Y. Sicard, Alternative & Atomic Energies Commissary, France

S. Jovanovic, European Virtual Institute for Integrated Risk Management, Germany

Contact & Organization

R. Kokejl, University of Stuttgart, Germany

A. Veres, Steinbeis Advanced Risk Technologies GmbH, Germany

About the course

The Nanosmile website www.nanosmile.org , developed in parallel of FP6 NanoSafe 2 has been available full web since June, 2008. Initially implemented as an e-learning support available internally at the Atomic Energy Commissary, Nanosmile has been gradually opened to the public at large. This website is now specifically dedicated to support:

1. **Professional training** sessions in order to guarantee adoption of best practices,
2. **Institutional education** program in order to make students aware to emerging risks,
3. Public information dissemination in order to structure **societal dialogue**.

FP7 NanEX, NanoHouse and NanoCode projects will feed Nanosmile content and structure during 2010-13 periods. iNTeg-Risk T4.10.7 will closely connect the Nanosmile website to the iNTeg-Risk One-Stop-Shop in different possible implementations.

This course proposes a Nanosmile concept and feedback presentation. Three different modules **nanotraining, nanoeducation** and **nanodialogue** will be structured as follows:

1. Presentation: initial goals, implementation phase, feedback experience
2. Generic methodological questions: discussion on the basis of IRGC, EMRF framework
3. Specific content questions: answers will be supported by a detailed website visit

Discussion outline examples

NanoTraining	NanoDialogue
What can you expect from knowledge management? What you don't have to? *How to update your resources as you realize the workplaces safety studies?* *Why do CEA decide to propose these resources on full web?*	*How to be understandable, attractive AND explicit complexity?* *What can you expect from societal dialogue in emerging governance? What you don't have to?* *How to offer the most efficient dialogue?*

iNTeg-Risk Workshop III.3 on

New Technologies and CSR (Corporate Social Responsibility):

Integrating answers to engineering, social and financial aspects of sustainability

June 17, 2010
Stuttgart
Haus der Wirtschaft, Room Ulm
Willi-Bleicher-Strasse 19, 70174 Stuttgart

Hosted by EU-VRi

Event organized by EU-VRi, Ernst & Young, Bayer, dokeo

Concept of the workshop (DRAFT)

Workshop Committee

J. Genz, Bayer AG, Environment &Sustainability, Germany
A. Jovanovic, European Virtual Institute for Integrated Risk Management, Germany
R. X. Ruter, Ernst & Young, Germany
W. Scheunemann, Dokeo GmbH, Germany (ytbc)

Contact & Organization

M. Löscher, European Virtual Institute for Integrated Risk Management, Germany
R. Kokejl, University of Stuttgart, Germany
A. Veres, Steinbeis Advanced Risk Technologies GmbH, Germany

About the workshop

FP7 project iNTeg-Risk (www.integrisk.eu-vri.eu) is dealing with early recognition, monitoring and integrated management of emerging, new technology related risks. Over 60 organisations and more than 350 persons have committed themselves to develop a harmonised EU-answer to these emerging risks, which are considered as one of the major problems for the competitiveness of the EU innovation industry. One of the important pillars in the interdisciplinary approach of iNTeg-Risk project is the involvement of social aspects and corporate responsibility throughout the whole life cycle of new technologies covered by the project.
In this workshop, we would like to bridge the gap between different CSR-relevant groups, who might already work according to CSR-related concepts, but are not in-line with other units; like differences in comprehension and application of CSR-concepts among engineers and businessmen. As the target group for this workshop is, apart from invited externals, the project consortium itself with persons mostly having technical background, this event (and the iNTeg-Risk project itself) is a one of the kind opportunity to address an interested and dedicated group of persons (engineers), whose work within the project can be considered as a test bed for CSR concepts and approaches, which will find their application within the project and its results. Main expected benefits for the participants are:

- Learning from application of sustainability concepts in other sectors (engineering vs. business/financial).
- Get in touch with experienced global players in sustainability reporting in order to elaborate appropriate concepts for New Technologies and its related emerging risks.

Foreseen participants for this workshop are project members and CSR/Sustainability responsible persons of companies and public authorities.

iNTeg-Risk Workshop III.4 on
China-Europe partnership in the area of emerging risks
Initiating collaboration on projects

June 18, 2010
Stuttgart
Haus der Wirtschaft, Turm A
Willi-Bleicher-Strasse 19, 70174 Stuttgart

Organised and hosted by EU-VRi

Event supported by: SRA EUROPE

Concept of the workshop (DRAFT)

Workshop Committee

O. Salvi, European Virtual Institute for Integrated Risk Management, Germany
A. Jovanovic, European Virtual Institute for Integrated Risk Management, Germany
R. Bubbico, Univ. di Roma La Sapienza and Past-President of SRA-Europe, Italy
B. Affeltranger, Institut National de l'Environnement Industriel et des Risques, France
L. Bodsberg, SINTEF, Norway
C-F. Huang, Beijing Normal University and President of SRA-China, China
W. Tong, Beijing Municipal Institute for Labour Protection (BMILP), China
G. Zhai, Nanjing University, Vice-Secretary-General of SRA-China, China

Contact & Organization

M. Löscher, European Virtual Institute for Integrated Risk Management, Germany
R. Kokejl, University of Stuttgart, Germany
A. Veres, Steinbeis Advanced Risk Technologies GmbH, Germany
B. Caillard, European Virtual Institute for Integrated Risk Management, Germany

About the workshop

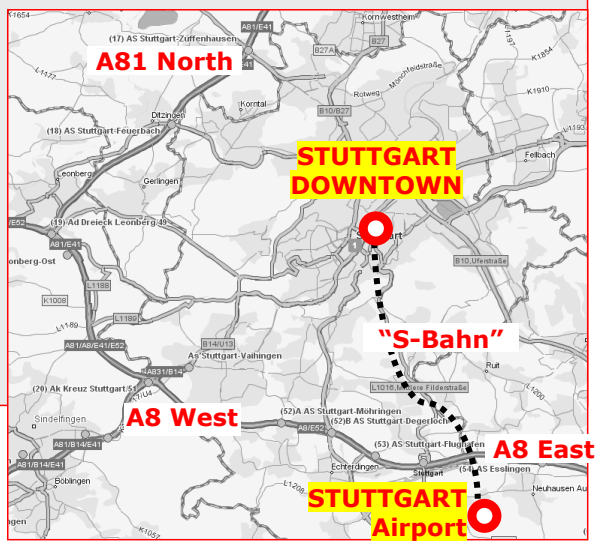
The objective of the workshop is to develop cooperation between Europe and China on emerging risks, as a follow up of the 1st China-Europe Risk Forum that took place in October 2009 in Beijing, hosted by BMILP and sponsored by SRA-Europe and EU-VRi.
(See: http://www.eu-vri.eu/home.aspx?lan=230&tab=770&pag=787)
The workshop will enable to review existing cooperations and initiate new ones on the following topics:

1. Risks related to hazardous substances and processes in the industry: Roberto Bubbico
2. Risks related to Transport Systems and Networks, including "life line" transporting utilities, products and information: Olivier Salvi
3. Risk triggered by natural disasters: Bastien Affeltranger
4. Methods and approaches for risk assessment and management: Aleksandar Jovanovic
5. Risk Policies, Monitoring, Governance and Communication: Lars Bodsberg

In particular, in order to stimulate the cross participation in projects, prior to the workshop, the participants of the conference will be asked to fill in a form presenting project opportunities, with a specification of the profile of the partners expected.
The outcome of the workshop will be the creation of partnership to submit proposals for collaborative research or scientific activities in European or Chinese programmes.

Venue

- **Stuttgart, Haus der Wirtschaft**
- **Steinbeis Foundation**
- **Steinbeis Advanced Risk Technologies**
- **EUropean Virtual Institute for Integrated Risk Management (EU-VRi)**

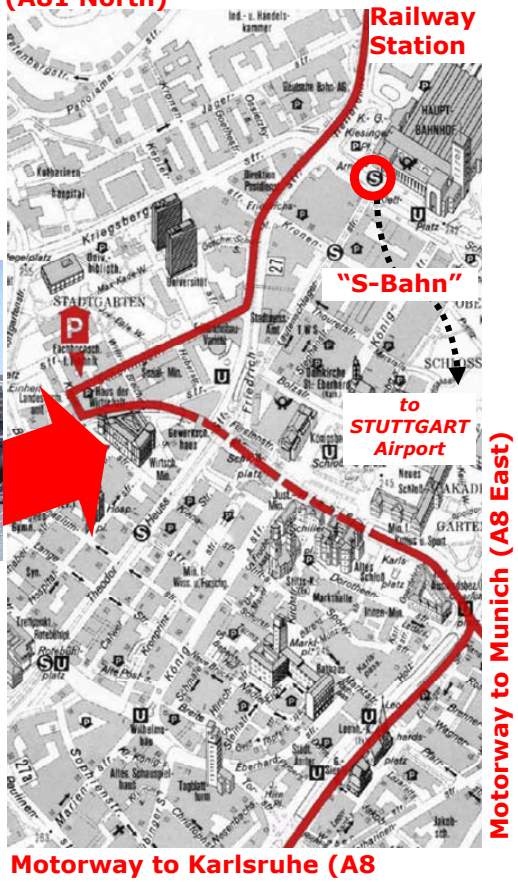


Haus der Wirtschaft,
Willi-Bleicher-Str. 19
70174 Stuttgart, Germany
+49 (711) 1839-5
www.stw.de

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 are indicative – please check with the hotel in each particular case.

Hotel Name Telephone Nr.	**Web**	**walking distance (min) to Haus der Wirtschaft**	**Regular price (€)**	**"Steinbeis" price (€)**
For the hotels below indicate **"Steinbeis Stiftung"** as the keyword				
Hotel Unger Tel. +49 711 2099-0	www.hotel-unger.de	3	125	86
Hotel Wartburg Tel. +49 711 2045-0	www.hotel-wartburg-stuttgart.de	5	88	79
Hotel Rega Tel. +49 711 619340	www.rega-hotel.de	10	115	101
Hotel Azenberg Tel. +49 711 225504-0	www.hotelazenberg.de	10	105	96
For the hotel below indicate **"SEZ152"** as the keyword				
Maritim Hotel Tel. +49 711 942 1210	www.maritim.de/typo3/english/hotels/hotels/hotel-stuttgart.html	5	152-189	130-160

For further hotels and/or info you may find useful to 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 and the Courses/Workshops is open at:

http://www.eu-vri.eu/fwlink/?LinkID=248

Fees:

Conference fees (+ VAT if applicable):

- 300 €, for project partners, speakers and IAB members
- 600 €, for other participants.

The registration includes the handouts, coffee breaks, lunches and the conference reception.

Courses and Workshops fees (per course/workshop, + VAT if applicable):

- 300 €, for project partners and IAB members
- 400 €, for other participants.

The registration includes handouts and coffee breaks.

Contact:

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