

## **iNTeg-Risk Course I.1 with extended discussion on Principles of IRGC Framework: Applying IRGC's framework to emerging risks covered in iNTeg-Risk**

**June 14, 2010**

**Stuttgart**

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

Hosted by



Event organized by



Universität Stuttgart

### **Concept of the course**

#### **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

#### **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](http://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.

## Agenda

**09:00 – 09:15 Opening**

**09:15 – 10:15 Session I: Risk Governance – the general approach**

1. The concept of Risk Governance (O. Renn, University of Stuttgart)
2. An illustration of Risk Governance (biomass conversion) (P.-J. Schweizer, University of Stuttgart)
3. Introduction to IRGC's concepts and tools for practical risk governance, in particular for emerging risks (M.-V. Florin, IRGC)

**10:15 – 10:30 Break**

**10:30 – 12:00 Session II: Application of RG to New Technologies**

4. Application 1: Nanotechnology (A. Grobe, Stiftung Risiko-Dialog)
5. Application 2: Carbon Dioxide Capture and Storage (D. Scheer, University of Stuttgart)
6. Application 3: Synthetic biology (M.-D. Weitze, acatech)
7. A refinement of the model in the light of the applications (A. Jovanovic, EU-VRI)

**12:00 – 12:30 Panel discussion:** Prospects, limitations and further development of the IRGC model (representatives from iNTeg-Risk; Swiss Re etc.)

**12:30 End of the course**