

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

Course Committee

L. Breedveld, 2B Consulenza Ambientale, Italy

H. Florin, PE International, Germany

Contact & Organization

N. Ghavami, Steinbeis Advanced Risk Technologies GmbH, Germany

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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.

Agenda

09:00 – 09:15 Opening

09:15 – 10:30 Session I – Basics on LCA

1. Introduction to LCA and outline of the iNTeg-Risk LCA guidelines (L. Breedveld, 2B)
2. Methodological issues related to the application of LCA to emerging technologies (H. Florin, PE International)
3. Application of RA and LCA to emerging risks: the example of nanotechnologies (F. Markert, DTU)

10:30 – 11:00 Break

11:00 – 12:30 Session II – Operational aspects

4. LCA software and databases as supporting tools for the evaluation of emerging technologies (L. Breedveld, 2B / H. Florin, PE International / F. Markert, DTU)
5. LCA software: GaBi and its added value for the evaluation of emerging risks (H. Florin, PE International)
6. LCA software: SimaPro and its added value for the evaluation of emerging risks (L. Breedveld, 2B)

12:30 End of the course