

Hosted by
TECHNISCHE
UNIVERSITÄT
DRESDEN



Risk-Based Management of
Chemicals and Products
in a Circular Economy
at a Global Scale

8 - 9 MAY 2012
DRESDEN, GERMANY

FINAL CONFERENCE PROGRAMME

Further Information:

www.wadef.com

Registration:

www.faa-tagungen-dresden.de/en/riskcycle



WHAT DO WE WANT TO ACHIEVE?

The consortium of **RISKCYCLE** consists of international, European and national experts and stakeholders from different programmes and organisations.

The primary aim of **RISKCYCLE** is to identify future R&D needs required to establish a risk-based assessment methodology for chemicals and additives in products that will help reduce animal testing while ensuring the development of new chemicals and product management pattern leading to minimized risks for health and the environment.

WORKSHOP TOPICS

- Flow and emissions of additives – from production to reuse, recycling and waste for the following sectors: textiles, electronics, plastics, leather, paper and lubricants Fate and behaviour of chemical additives in recycling products
- Alternative toxicity testing for additives in products to reduce animal test in line with the objectives of the REACH directive
- Risk assessment methodologies and mitigation strategies for human health and environment related to additives
- Importance of additives in life cycle assessment of textiles, electronics, plastics, leather, paper and lubricants
- Bridging research needs with policy in the field of Risk-Based Management of Chemicals and Products

REGISTRATION & CONTACT

Please register via our Website:
www.faa-tagungen-dresden.de/en/riskcycle/registration
or with the enclosed form!

CONTACT:

Forum für Abfallwirtschaft und Altlasten e.V.

Pratzschwitzer Straße 15 // 01796 Pirna // Tel.:
(03501) 5300-41 // Fax: (03501) 5300-22
Email: forum@mailbox.tu-dresden.de

VENUE & ACCOMODATION

VENUE

art`otel // Ostra-Allee 33 //
01067 Dresden // Germany

ACCOMODATION

We arranged room contingents in the following hotels. Please pay attention to the reservation deadlines: after the deadlines we are not able to guarantee the given room prices! Please feel free to choose the suitable accommodation for you and make the reservation yourself by using the password "**RISKCYCLE**".

- [art`otel dresden](#)
(Deadline: 08.04.2012)
- [Pullman Dresden Newa](#)
(Deadline: 20.04. 2012)
- [Gästehäuser für die Dresdner Wissenschaft GmbH](#)
(Deadline: 14.03.2012)
- [NH Dresden Altmarkt](#)
(Deadline: 09.04.2012)

Additional information can be found on our homepage: www.faa-tagungen-dresden.de/en/riskcycle/accommodation

MANAGEMENT BOARD

Bernd Bilitewski // Veit Grundmann // Technische Universität Dresden // Institute of Waste Management and Contaminated Site Treatment

Damià Barcelò // Antoni Ginebreda // Institute of Environmental Assessment and Water Research – Spanish Council for Scientific Research

Joaquim Casal // Rosa Mari Darbra // Universtat Politècnica de Catalunya // Chemical Engineering Department

Ester Van der Voet // Universiteit Leiden // Institute of Environmental Sciences

Tomas Rydberg // IVL Swedish Environmental Research Institute

Emilio Benfenati // Mario Negri Institute for Pharmacological Research

REGISTRATION FORM

I hereby register bindingly for the RISKCYCLE conference

Last Name

First Name

Academic Title

Position

Company/Authority

Street / Number

Zip Code

City

Phone

Fax

Email

**The entrance for the conference is free.
For expenses we charge a fee of 90 € per Person.**

Additional Options:

- I will attend the GALA DINNER on 08th May

Yes No (35 €p.P.)

- I will attend the Steamboat Tour on 09th May

Yes No (20 €p.P.)

Cancellations are possible (signed and stamped) until 10 workdays before the congress and will be charged with 25% of the booked conference fee.

TUESDAY 8th MAY 2012

Opening Session

Chair: Bernd Bilitewski (TUD)

- 9.00 am **Welcome Speech**
Ulrich Kraus // Sächsisches
Staatsministerium für Umwelt und
Landwirtschaft (SMUL)
- 9.15 am **Riskcycle – Aims and future impacts of the project** // Bernd Bilitewski // Technische Universität Dresden (TUD)
- 9.45 am **Results of the UNEP Chemicals in Products project** // Kevin Munn // United Nations Environmental Programme (UNEP)
- 10.15 am **How RISKCYCLE may influence the future research funding activities of the EU** // Georges Deschamps // DG Research, European Commission (EU)
- 10.45 am **COFFEE BREAK**

SESSION 1

Alternative Toxicity testing for Additives in products to reduce Animal test in line with Objectives of REACH Directive
Chair: Emilio Benfenati (IRFMN)

- 11.15 am **Status of the OECD work on alternative testing (in vitro methods, new approaches)** // Laurence Musset // Organisation for Economic Co-operation and Development (OECD)
- 11.45 am **Computer based predictive models for evaluation of properties of contaminants in waste** // Nazanin Golbamaki // Istituto di Ricerche Farmacologiche Mario Negri (IRFMN)
- 12:05 pm **Application of ERICA (Environmental Risk Index for a Chemical Assessment) to evaluate sustainability of waste** // Elena Boriani // Istituto di Ricerche Farmacologiche Mario Negri (IRFMN)
- 12.25 pm **QSAR based USEtox™ characterisation factors for assessing ecotoxicological impacts of emissions of additives from the societal stock of plastic products** // Magnus Rahmberg // Swedish Environmental Research Institute (IVL)
- 12.45 pm **LUNCH BREAK**

SESSION 2

Fate and Behaviour of Chemical Additives in Recycling Products

Chair: Damià Barceló (CSIC)

- 1.45 pm **Re-use of recycled materials in food contact applications in the perspective of consumer protection** // Karla Pfaff // Federal Institute of Risk assessment (BfR)
- 2.15 pm **Fate of brominated flame retardants (BFR) during treatment of plastics from waste of electric and electronic equipment (WEEE)** // Martin Schlummer // Fraunhofer Institute IVV
- 2.35 pm **Analysis of antioxidants in recycled plastics, before and after recycling** // Momina Bibi // Swedish Environmental Research Institute (IVL)
- 2.55 pm **Recycled paper-paperboard for food contact materials: contaminants suspected, migration models and healthy concerns** // Francesca Tiberto // University Cattolica del Sacro Cuore (UCSC)
- 3.15 pm **Emerging risks in recycling and waste: Perfluorinated compounds in plastic pellets and nanomaterials in contaminated soil** // Damià Barceló // Chemical and Environmental Research Institute (CSIC)
- 3.35 am **COFFEE BREAK**

SESSION 3

Flow and Emissions of Additives – from Production to Reuse, Recycling and Waste

Chair: Stefan Rydin (Nordeconsult)

- 4.00 pm **Sustainable paper recycling – Threats, needs and future opportunities** // Johannes Kappen // Papiertechnische Stiftung (PTS)
- 4.30 pm **Global E-waste trade in China** // Henning Tien // Hamburg University of Applied Sciences (HAW),
- 4.50 pm **Substance flow analysis of plastic additives in the Swedish waste management system** // Jenny Westerdahl // Swedish Environmental Research Institute (IVL)
- 5.10 pm **Chemicals in leather – international trends on risk based control and management** // Stefan Rydin // Nordeconsult Sweden AB

- 5.40 pm **Assessment of released heavy metals from the MS “Sea Diamond” shipwreck** // Evangelos Gidararakos // Technical University of Crete
- 6.00 pm **End of Day 1**

WEDNESDAY 9th MAY 2012

Opening Session

Chair: Ettore Capri (UCSC)

- 8.30 am **The role of waste management in the control of hazardous substances** // Henning Friegé // Stadtwerke Düsseldorf AG (AWISTA)
- 9.00 am **The assessment of mixtures of chemicals** // Helmut Greim // Technische Universität München (TUM)

SESSION 4

Risk Assessment Methodologies and Mitigation Strategies for Human Health and Environment related to Additives

Chair: Rosa Maria Barbra (UPC)

- 9.30 am **Short-range transport of contaminants released from e-waste recycling site in South China** // Jing You // Chinese Academy of Science (CAS)
- 10.00 am **Can the polybrominated compounds be a hazard for the pregnant women in an environment of electronic compounds exposure?** // Francesco Fábrega // Universitat Rovira I Virgili (URV)
- 10.20 am **Human and Environmental impact produced by the E-waste releases at Guiyu Region (China)** // Nicoletta Siucu // University Cattolica del Sacro Cuore (UCSC)
- 10.40 am **Risk assessment of informal E-waste recycling activities** // Susanne Rotter // Technische Universität Berlin (TUB)
- 11:00 am **COFFEE BREAK**

SESSION 5

Importance of Additives in Life Cycle Assessment of Textiles, Electronics, Plastics, Leather, Paper and Lubricants

Chair: Ester van der Voet (CML)

- 11.30 am **Stretching the cycle: evaluating the refurbishment of computers with a Multi Criteria tool applied to LCA** // Claudio Fernando Mahler // Federal University of Rio de Janeiro
- 11.50 am **Life cycle assessment on printed matter (paper): Focus on additives** // Henrik Fred Larsen // Danmarks Technical University (DTU)
- 12.10 pm **Assessing Plastics Additives in Life Cycle Assessment** // Ester van der Voet // Leiden University (CML)
- 12.30 pm **LUNCH BREAK**

SESSION 6

Bridging Research Needs with Policy in the Field of Risk-Based Management of Chemicals and Products

Chair: Veit Grundmann (TUD)

- 1.30 pm **Riskcycle and the EU-Legislation** // Uwe Lahl // Technische Universität Darmstadt (TUDA)
- 2.00 pm **Risk-based instruments for resource efficiency management** // Alexander A. Voronov // University Saint - Petersburg
- 2.20 pm **An Integrated Policy to Control Environmental and Health Risks from Chemicals and Additives in Products** // Dennis Häckl // Technische Universität Dresden (TUD)
- 2.40 pm **Outcomes and results of the 4 RISKCYCLE workshops** // Nguyen Thi Diem Trang (HUS) // Li Rundong (ICEEE) // Claudio Fernando Mahler (UFRJ) // Col. Rakesh Johri (TERI)
- 3.20 am **COFFEE BREAK**

FINAL SESSION

Chair: Bernd Bilitewski // Damià Barceló (CSIC)

- 3.50 pm **Research needs and outcome of the EU funded project RISKCYCLE** // Veit Grundmann // Technische Universität Dresden (TUD)
- 4.00 pm **Final Discussion // Future Research Needs**
- 5.00 pm **End of Day 2**

