

Participating organisations:

Dresden University of Technology
Institute of Waste Management and Contaminated Sites Treatment

Chemical and Environmental Research Institute; Barcelona

Laboratory of Environmental Chemistry and Toxicology,
Mario Negri; Milan

Universitat Politecnica de Catalunya ; Barcelona

University of Leiden
Institute of Environmental Sciences

Swedish Environmental Research Institute ; Gothenburg

Universitat Rovira i Virgili; Reus
Laboratory of Toxicology and Environmental Health

University Cattolica del Sacro Cuore; Piacenza
Institut of Agricultural and Environmental Chemistry

Technical University of Denmark; Kgs. Lyngby
Department of Management Engineering
Department of Environmental Engineering

Bureau de recherché géologiques ; Orléans
l'Unité Gestion des Déchets Service Environnement et Procédés

Universidade Federal do Rio de Janeiro
Fundacao Coordenacao de Projetos Pesquisas e Estudos Tecnologicos

Shenyang University of Aeronautical Engineering
Institute of Clean Energy & Environmental Engineering
Institute of Aeronautical Engineering

The Energy and Ressources Institute; New Dehli
Energy and Environment Technologies Division

Hanoi University of Science
Faculty of Chemistry

Hamburg University of Applied Sciences

NORDEConsult Sweden AB; Lund

CEFIC - European Chemical Industry Council

OECD Environment Directorate

SCHER - Scientific Committee on Health and Environmental Risks of the
European Commission

University of Wollongong
School of Earth and Environmental Sciences

Chinese Academy of Social Science

German Federal Agency for Environment

BZL GmbH

Technische Universität Darmstadt

German Federal Institute for Risk Assessment

Workshop topics:

- Diffuse emissions from global trade of products and recyclables
- Environmental problems due to waste recycling in Brazil
- Impact to health
- Impact to the environment
- Environmental impacts of use and recycling of additives in products: a lifecycle perspective

Meeting place:

Casa da Ciencia da UFRJ
Rua Lauro Muller, 3
Botafogo, Rio de Janeiro, Brazil



Fees:

Participation fee: free

Registration:

Please register via e-mail

Veit Grundmann: veit.grundmann@tu-dresden.de

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Further information: www.wadef.com



3rd RISKCYCLE workshop

Environmental and health risks of chemical additives and recycling materials

2nd – 6th May 2011

Organizers:



Prof. Dr. Claudio Fernando Mahler
Universidade Federal do Rio de Janeiro
Universidade Federal Rural do Rio de
Janeiro



**Prof. Dr.-Ing. habil. Dr. h.c. Bernd
Bilitewski**
Technische Universität Dresden
Institute of Waste Management and
Contaminated Sites Treatment

Tuesday 3rd May 2011

1. Session - Moderator: Prof. Dr. Bernd Bilitewski (TUD)

- 9.00 am** Welcome speech
- 9.20 am** Riskcycle – A new paradigm in waste assessment and management
Prof. Dr.-Ing.habil. Dr. h.c. Bernd Bilitewski
Dresden University of Technology
- 9.40 am** 20 years of a slow evolution of solid waste management in Brazil
Prof. Claudio Mahler, COPPE/UFRJ
Prof. Adriana Schueler UFRuRJ
- 10.00 am** Discussion
- 10.30 am** Coffee break

2. Session - Moderator: Prof. Dr. Damià Barceló (CSIC)

- 11.00 am** Additives in WEEE: A Challenge for Recycling
Prof. Julio Carlos Afonso,, UFRJ
- 11.20 am** WEEE in Brazil - local impacts of a pervasive product
Eng Marcelo Guimarães Araújo, M.Sc COPPE/ UFRJ
- 11.40 am** Discussion
- 12.00 am** Lunch break

3. Session - Moderator: Prof. Claudio Fernando Mahler (COPPE/UFRJ)

- 2.00 pm** Coprocessing - Sustainable destination for municipal solid waste
Eng Francisco José Piffer Leme,
Lafarge Group
- 2.20 pm** Where we are now? A practical view of co-processing in Brazil
Químico Antonio Lacerda de Menezes,
Essencis Soluções Ambientais
- 2.40 pm** The separation of waste experience at UFRJ: Recicla CT
Prof. Walter Issamu Suemitsu, UFRJ
- 3.00 pm** The challenger of chemical contamination in plastics recycling
Vladimir Kudrjawzew
- 3.20 pm** Discussion
- 3.40 pm** Coffee break

4. Session - Moderator: Elena Boriani (IRFMN)

- 4.10 pm** Reutilization of Residues in High Aggregated Value Products - Biorefinery Concept
Prof Marisa Fernandes Mendes, UFRuRJ
- 4.30 pm** Healthcare Wastes Management in Rio de Janeiro City
Eng Zilton José Sá da Fonseca, M.Sc,
Aborgama do Brasil Ltda
- 4.50 pm** Environmental and health risks of perfluorinated compounds at global scale: From the kitchen to Antarctica
Prof. Dr. Damià Barceló,
Chemical and Environmental Research Institute;
Barcelona
- 5.10 pm** Final Discussion
Prof. Claudio Mahler
Prof. Adriana Schueler
Prof. Dr.-Ing.habil. Dr. h.c. Bernd Bilitewski
Prof. Dr. Damià Barceló
- 6.00 pm** End of Day 1

Wednesday 4th May 2011

1. Session - Moderator: Dr. Rosa-Maria Darbra (UPC)

- 9.00 am** State of the art collection and recycling of oils and lubricants in Brazil
Eng Ricardo Baptista, Manager of Planning and Industrial Control Petrobras Distribuidora SA
- 9.20 am** Prioritisation of chemicals in the environment: analytical, modelling and risk issues
Dr. Antoni Ginebreda
Chemical and Environmental Research Institute;
Barcelona
- 9.40 am** Environmental risk assessment of brominated flame retardants using fuzzy logic
Dr. Rosa-Maria Darbra
Universitat Politècnica de Catalunya; Barcelona
- 10.00 am** Discussion
- 10.40 am** Coffee break

2. Session - Moderator: Dr. Henrik F. Larsen (DTU)

- 11.10 am** Additives and Life Cycle Assessment – introduction and overview
Dr. Tomas Rydberg
Swedish Environmental Research Institute;
Gothenburg
- 11.30 am** Additives in plastics: (lack of) information from LCA databases and case studies
Ass. Prof. Dr. Ester van der Voet
University of Leiden
- 11.50 am** Life cycle assessment (LCA) of printed matter: Potential “additives” in recycled paper
Dr. Henrik Fred Larsen
Technical University of Denmark, Copenhagen
- 12.10 am** Discussion
- 1.00 pm** Lunch break

3. Session - Moderator: Dr. Tomas Rydberg (IVL)

- 2.30 pm** Research relationships in Waste Management between Brazil and Germany
Veit Grundmann
Dresden University of Technology
- 2.50 pm** E-Waste around the world
Prof. Dr. Susanne Heise
Hamburg University of applied science
- 3.10 pm** Health risk assessment for Lead released by e-waste recycling processes, using a multimedia exposure model (2-FUN model) – Preliminary calculations based on a case study designed for a region located in South of China
Dr. Ing. Nicoleta Alina Suciú,
University Cattolica del Sacro Cuore, Piacenza
- 3.30 pm** Recycling as a measure of energy efficiency
Dr Luciano Basto Oliveira, EPE
- 3.50 pm** Discussion
- 4.10 pm** Coffee break
- 4.30 pm** Final Discussion
Prof. Claudio Mahler
Prof. Adriana Schueler
Prof. Dr.-Ing.habil. Dr. h.c. Bernd Bilitewski
Prof. Dr. Damià Barceló
- 5.30 pm** End of Day 2