

Aim of the Workshop

The general aim of the workshop is to discuss the incorporation of bioavailability into the Environmental Risk Assessment of metals. Considerable scientific progress has been made with regard to a better understanding of chemical and biological mechanisms responsible for metal uptake and toxicity. Models and concepts have been developed respectively.

Aiming at a more realistic risk assessment of metals, bioavailability is taken into account in a tiered approach which is described in the Metals Environmental Risk Assessment Guidance (MERAG). This approach has been implemented in the guidance document assisting REACH registrants to perform risk assessments of metals but also plays a role in other legislations such as the Water Framework Directive. Though this tiered approach aims at a refined metal risk assessment it can impose new uncertainties and can face practical constraints.

The workshop will provide a forum for discussion between scientists and legislators, with the objective to compare the scientific progress and the possibilities of implementation into legislation and to find a consensus on a concept how bioavailability should be incorporated into legislation.

How to get there

The Hamburg University of Technology, situated in the south of the city state, is a modern and dynamic institution for research and education



The Conference Location is in the Audimax I building (H) of the Hamburg University of Technology (www.tu-harburg.de/about/campusmap.html).

Workshop Social

Drinks and a snack for free in the foyer

Contact

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European Workshop

Metals in the Environment

Incorporation of

Metal Bioavailability into
Regulatory Framework

1 - 2 April 2009

Hamburg University of Technology

Hosted by
Hamburg University of Technology
Eissendorfer Str. 40
D-21073 Hamburg

Agenda day 1 (Wednesday 1. April 2009)

11:00 Arrival

11:30 Welcome

Introducing presentations

11:45 Taking metal bioavailability into account

- The concepts of the tiered approach

12:15 Metal Bioavailability - critical aspects

12:45 Consideration of bioavailability in regulation, requirements and consequences

13:15 Lunch break

14:15 Statements of different stakeholders: legislation, science, industry, NGOs

15.00 Discussion in the workgroups

16:00 Coffee break

16:15 Discussion in the workgroups

17:00 Summary of important issues from the workgroups

17:30 Workshop Social

20:00 End of day one

Agenda day 2 (Thursday, 2. April 2009)

9:00 Discussion in the workgroups

11:00 Coffee break

11:30 Presentation of final results

12:15 Final discussions, conclusions

13:00 End of the workshop

Workgroups

Workgroup 1 - Model requirements

What kind of models/concepts exist concerning bioavailability. What do they assume? Which are considered in the tiered approach? How complete does a model have to be concerning overestimation or underestimation of a hazard and the precautionary principle?

Workgroup 2 - Biology of metal uptake

What are the possible pathways of metal-uptake? Which pathways are considered in the tiered approach? Which are important? How representative are the test-organism considered concerning uptake?

Workgroup 3 - Regulatory aspects

What are the legislative requirements to perform risk assessment? What are the differences between different regulations? What practical constraints may be faced if bioavailability is taken into account? How and what should be measured? Essential and nonessential metals - How should we deal with them?

Call for short statements!

The session gives the opportunity to present additional information for all participants

Registration Form

Closing Date 24. March 2009

Number of participants is limited to 90

Name _____

First Name _____

Organisation _____

Address _____

ZIP Code _____

City _____

Country _____

Topic of desired statement (5 min)

Fax or
eMail: _____

Date Signature