

Aquatic Macrophyte Ecotoxicology Advisory Group Newsletter

Contents of Newsletter

Dear AMEG members, on behalf of the AMEG Steering Committee we would like to invite you to the upcoming AMEG meetings in Berlin and Long Beach:

1. Open AMEG meeting during the SETAC World Congress in Berlin, 23rd May, 2012, 16.00 – 18.00 h in Estrel Hall C2
2. Macrophyte session during the SETAC North America meeting in Long Beach, 11- 15 November 2012

New publications / output are listed under topic 3.

1. Open AMEG meeting in Berlin

This meeting is particularly focused on a small workshop around the *Myriophyllum* test protocols that have been ring-tested and submitted to OECD.

The open AMEG meeting will be held:

Date: Wednesday 23rd May 2012

Time: 16:00 - 18:00 h

Room: Estrel Hall C2

Agenda open AMEG meeting in Berlin

1. Welcome;
2. Short presentation of AMEG activities over the last year;
3. Discussion / workshop rooted macrophyte bioassay protocols and ring-test results:
 - a. Technical and statistical comparison of both methods;
 - b. The *Myriophyllum* water medium-only test approach;
 - c. The *Myriophyllum* sediment test approach;
 - d. Comments by regulators;
 - e. Discussion with audience;
4. New ideas / contributions to AMEG from audience;
5. End of meeting.

We also invite you to the macrophyte platform session, poster session and poster corner, Tuesday 22nd May 2012 titled Session RA19: Plants and chemicals in the environment: risk assessment, pest management and phytoremediation.

More information: chairs of the macrophyte session Silvia.Mohr@uba.de,
Udo.Hommen@ime.fraunhofer.de, Gertie.Arts@wur.nl,

2. Invitation for abstract submission to macrophyte session in Long Beach, SETAC North-America meeting 11-15 November 2012

Drs. Richard Brain and Mark Hanson are co-chairing the AMEG session in Long Beach 2012. The session will focus on extrapolation (see session description below). Please pass on these details to colleagues who may be interested.

Extrapolating macrophytes through space, time, and ecology: An Aquatic Macrophyte Ecotoxicology Group session.

Macrophyte effects assessment can be considered hindered by the lack of standardized tests and available species, especially when compared to those available for fish, invertebrates or algae for example. Although protocols for new test species like *Myriophyllum* are being developed, most ecological risk assessments still rely on duckweed data alone to rank hazards or estimate risk from stressors to the macrophyte communities for lotic and lentic systems, acute and chronic exposures, and for recovery. This single species extrapolation across a plethora of scenarios raises a number of questions that will be addressed in this session. These include: How predictive are duckweeds and proposed standard test species for effects in other macrophytes? Can invasive species management data be used as a surrogate for species requiring protection? Does duckweed and invasive species recovery in the lab and field predict the recovery of other macrophyte species? How predictive are higher-tier experimental studies for effects on population and ecosystem level in the field? How can we extrapolate between different exposure scenarios, e.g., sediments versus water column? Increasing the confidence in and understanding of the predictive capabilities of the tools we currently utilize will result in stronger ecological risk assessments around aquatic macrophytes.

For more information about the meeting itself, please go to:

<http://longbeach.setac.org/>

To submit an abstract, please go to:

<http://longbeach.setac.org/node/28>

If you do submit an abstract, please send along a copy as well to the co-chairs (contacts below)

Many thanks!

Mark and Richard

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3. New publications / output

Giddings J. (2011): The Relative Sensitivity of Macrophyte and Algal Species to Herbicides and Fungicides: An Analysis Using Species Sensitivity Distributions. CSI Report No. 11702. Available at: www.complianceservices.com/Page.aspx?nid=265