



Aquatic Macrophyte

Ecotoxicology Group: AMEG

ADVISORY GROUP OPEN MEETING

SETAC Berlin 23 May 2011



Aims of AMEG

- Established in 2009;
- Global platform and network of macrophyte experts;
- Scientific discussions and collaboration:
 - on the use and role of aquatic macrophytes in ecotoxicological science and regulation;
- Provide science based proposals and advice;
- Currently > 130 official members (AMEG listserv).



Aim of this presentation

- Update of AMEG meetings in Milan and Boston;
- Update of AMEG activities;
- All included in the AMEG 2011 annual report to the SWC, available on the AMEG communities website.

<http://communities.setac.net/index.php?f=220>



AMEG Steering Committee

Academia:

Mark Hanson, University of Manitoba, CA, co-chair

Udo Hommen, Fraunhofer IME, DE

Chris Wilson, University of Florida, US

Gertie Arts, Alterra WUR, NL, chair

Business:

Jo Davies, Syngenta, UK

Stefania Loutseti, DuPont, GR

Margit Dollinger, Bayer CropScience, DE

Jeff Giddings, Compliance Services
International, US

Government:

Véronique Poulsen, AFSSA, FR

Katja Knauer, BLW, CH

Silvia Mohr, UBA, DE





Activities 2011 - now

- Presentations about aquatic macrophyte risk assessment as joint action of members of the SC (2);
- AMEG is an umbrella for working groups: SSD, *Myriophyllum* Test Guideline WGs;
 - Presentations by the SSD and *Myriophyllum* working groups (4);
 - The SSD WG completed their report available at www.complianceservices.com/Page.aspx?nid=265 and submitted to the EFSA.



Activities 2011 - now

- The *Myriophyllum* Test Guideline WG:
 - Protocol has been accepted as an OECD Test Guideline Project;
 - *Myriophyllum* test protocol was ring-tested;
 - Updated protocol and report in 2012.
- Poster session SETAC Boston meeting about aquatic macrophytes;
- Poster corner and poster session SETAC Milan;
- Summaries of the sessions in the Globe;



Activities 2011 - now

- Open AMEG meetings in Milan and Boston;
- Participation in workshops and other meetings;
- AMEG emailing / newsletter.



Poster corner SETAC Milan 2011



Berlin activities

- Session during SETAC World congress in Berlin, 22 May 2012. **Session RA19 - Plants and chemicals in the environment;**
- Open AMEG meeting;

Organization of AMEG

AMEG is a global Advisory Group open to all interested scientists or students. AMEG is organised by a Steering Committee (SC), which comprises 11 elected members and is led by the chair (Gertie Arts) and co-chair (Mark Hanson) from Europe and North America, respectively. Members of the Steering Committee are distributed across the three stakeholder groups.

Current steering committee (2012):

Academia

Gertie Arts (Alterra, NL, chair)
 Mark Hanson (University of Manitoba, CA, co-chair).
 Udo Hommen (Fraunhofer, DE)
 Chris Wilson (University of Florida, US)

Government

Katja Knauer (BLW, CH)
 Silvia Mohr (UBA, DE)
 Véronique Poulsen (Anses, FR)

Business

Jo Davies (Syngenta, UK)
 Margit Dollinger (BayerCropscience, DE)
 Jeff Giddings (CSI, US)
 Stefania L. Loutsetti (DuPont, GB)

How to become a member of AMEG

SETAC members and non-members can become a member of the AG by expressing their interest on their SETAC profile. This will enable access to the forum for the AMEG AG via the SETAC communities site. Instructions can be found on the SETAC webpage:

<http://www.setac.org/AMEG>

If you want to announce an AMEG related event or if you can provide a link to an interesting project, web site or publication please contact Gertie Arts, Alterra WUR, P.O. Box 47, NL 6700 AA, The Netherlands (Gertie.Arts@wur.nl), or

Mark Hanson, University of Manitoba, 252 Wallace Building,
 2N2, Canada (han



Aquatic Macrophyte Ecotoxicology Advisory Group (AMEG)

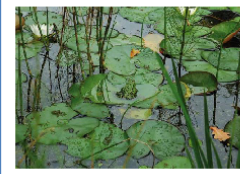


Aquatic Macrophyte Ecotoxicology Group (AMEG)

Background and aims

AMEG was established in June 2009 to provide guidance on all aspects of aquatic macrophyte testing in the laboratory and field as well as the use of macrophyte data in the risk assessment of chemicals. The group intends to accomplish these goals by being a forum for communication, co-operation, scientific discussion and collaboration between scientists in academia, business and government.

AMEG's current research areas are ecotoxicology and chemical risk assessment and, in the future, macrophytes as water quality indicators, their role in phytoremediation and the management of invasive macrophyte species.



Activities of AMEG

At the moment, two working groups are active under the umbrella of AMEG. Additional working groups will be established in future when outputs for specific questions are required.

Myriophyllum test guideline group
 The *Myriophyllum* test guideline group was established to develop a test guidance document for a *Myriophyllum* sp. water - sediment test. A ring-test has been conducted and the final report will be available in 2012. The protocol has been accepted as an OECD Test Guideline Project.

SSD group
 The SSD working group discusses the use of SSDs (Species Sensitivity Distributions) for aquatic macrophytes. The working group has compiled a database of toxicity data, which has been used to investigate the sensitivity of standard test species relative to other macrophyte species and algae. This project was funded by a consortium of several partners and a report was finalized in 2011.

In addition AMEG organizes sessions and group meetings during the SETAC conferences in North America and Europe.

Organization of AMEG

AMEG is a global Advisory Group open to all interested scientists or students. AMEG is led by a Steering Committee of currently 11 scientists from North America and Europe representing Academia, Business and Government and chaired by Gertie Arts (NL) and Mark Hanson (CA).

Publications / Output

- Arts G, Davies J, Dobbs M, Ebke P, Hanson M, Hommen U, Knauer K, Loutsetti S, Maltby L, Mohr S, Poovey A, Poulsen V. (2010): AMEG: The New SETAC Advisory Group on Aquatic Macrophyte Ecotoxicology. Environ Sci Poll Res. 17 (4), 820-823
- 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/Case.aspx?cid=265
- Platform, poster and poster corner sessions here in Berlin: Session RA19, Plants and chemicals in the environment: risk assessment, pest management and phyto-remediation, Tuesday 22nd of May 2012
- AMEG meeting on Wednesday 23rd of May 2012, 16.00 - 18.00 h in Estrel Hall C2



SETAC Advisory Group Aquatic Macrophyte Ecotoxicology Group
 Website: www.setac.org/ameg
 Email address: Gertie.Arts@wur.nl; hansonm@cc.umanitoba.ca
 Contact: Gertie Arts, Alterra WUR, P.O. Box 47, NL 6700 AA, The Netherlands
 Mark Hanson, University of Manitoba, 252 Wallace Building, Winnipeg, Manitoba, R2T 2N6, Canada



Future activities

- SETAC NA 2012 session and AMEG open meeting in Long Beach, California:

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

To submit an abstract, please go to:
<http://longbeach.setac.org/node/28>

Deadline 1st of June !



Future activities

- Development of courses and workshops in macrophyte ecotoxicology, macrophyte risk assessment and phytoremediation;
- Involvement of other Geographical Units (ongoing);
- Initiate new WGs;
- Enhance student involvement;
- Identifying new research needs;
- Improving AMEG website (ongoing).

How to join AMEG and participate ?



- **Important: Select AMEG in your SETAC user profile to stay informed;**
- You can also join the AG as non-SETAC-member;
- On the SETAC website you will also find information about our Advisory Group (<http://www.setac.org/node/363>);
- visit the AMEG community on <http://communities.setac.net/index.php?f=220> and participate in discussions;
- Aims and scope of AMEG in Environ Sci Pollut Res 17:820–823 (2010)



Thank you for your attention