Setsac Plants Interest Group Open Meeting during SETAC SciCon (Virtual Conference)
May 6th 2020
Meeting Minutes

Chairs: Rena Isemer (Bayer AG), Dave Olszyk (US EPA)
Participants: up to 50 participants

➢ The meeting was organized by the SETAC Plants IG Steering Committee members with support of the SETAC SciCon organizing team as a virtual meeting. A link to a zoom meeting was provided to all members of the Plants IG and other interested persons.

➢ Presentations given during the meeting can be assessed via the SETAC Plants IG Website

➢ Rena welcomed all participants, presented the agenda for the meeting and gave an overview of the recent changes in the Steering Committee.
  o Dave Olszyk and Rena Isemer are the new chairs of the SC
  o Gertie Arts (Wageningen University & Research), Joanna Davies (Syngenta), Udo Hommen (Fraunhofer Institut) and Hank Krueger (Eurofins US) will leave the SC. We thank them for many years of dedicating their time and will miss working on the SC with them.
  o We welcomed six new SC members: Verena Sesin (Trent University), Judith Arnolds (South African National Biodiversity Institute), Ying Wang (Lawrence Berkeley National Laboratory), Aida M Farag (Columbia Environmental Research Center), Joshua Arnie (Eurofins US), Guido Gonsior (GG Biotech Design)

➢ Reproductive plant testing – What has to be considered?
   Holger Teresiak (Agrocheck) gave a presentation on a literature review sponsored by ECPA to gather available data on reproductive plant testing and own experiments. The data is used to determine important factors and prerequisites for successful testing to support pesticide registration. To reach reliable and consistent results, there is a need to define validity criteria and requirements for reproductive higher tier testing of non-target terrestrial plants. The following parameter were investigated:
   1 potential test species
   2 environmental conditions
   3 endpoint(s)
   4 sufficient statistical power
   5 additional pesticide use

   A ring test with some species (to be defined) was proposed. Objectives would be to find suitable plant species, gather data about growing period in different labs and about variation in seed production. Several participants expressed interest in participating in a ring test and/or working group on the topic.

   ❖ Action: Chris Mihan (Bayer AG) and Andreas Duffner (Eurofins) to start a working group on reproduction testing with NTTPs. An email to determine interested persons will be sent to members of the IG.

➢ A discussion on current topics related to the upcoming EFSA Terrestrial Plants Guidance Document (GD) was led by Hank Krueger (Eurofins US). The participants expressed their interest
and it was decided that a survey on possible topics of interest will be started. Also, a workshop on the GD was discussed.

❖ **Action:** Hank & Joshua Arnie (Eurofins US) to start a survey for possible topics within SC

➢ Glyceria Ring Test: short update
Jo Davies (Syngenta) gave a short update on the status of the Glyceria Ring Test. Next steps will include a 3rd Ring-test in 2021 to improve coefficients of variations, reduce variabilities and increase standardization; a workshop in spring 2021 to train plant propagation and experimental techniques hosted by Mesocosm GmbH & GG BioTech Design GmbH; online training videos; and working on the protocol with an OECD Expert Group.

❖ **Request to all participants** – if testing *Glyceria* in 2020, please consider sharing videos and/or photographs of work in progress

➢ Connections to Effects Modeling Group on Macrophyte Modeling
Udo Hommen (Fraunhofer Institut) gave a brief overview. See his presentation.

➢ Algae flow through testing and other exposure systems in correlations to tier 2C/modelling according to AGD (EFSA, 2013)

Eric Bruns (Bayer AG) presented the current possibilities for higher tier testing of algae as well as possibilities for modelling. He concluded that at the moment a tiered approach for algae is not possible anymore. The need for development of a flow through test system for algae to also use pulsed exposure as a higher tier option was expressed. The system should be ring-tested in order to gain acceptance.

❖ **Action:** Eric to send mail to IG to find interested people for a possible ring-test

➢ Rena and Dave thanked the participants for a successful Open Meeting and invited them to attend 41st North American SETAC annual meeting in Fort Worth, in November 2020. Meeting was closed.