

## SETAC Interest Group Annual Report for the Year 2018

*This form is a mechanism for IGs to report their work to SETAC Boards and Councils. SETAC recognizes that IG members are busy professionals therefore this form is designed to require minimum effort. SETAC also recognizes that IG members are typically very active in subject area and ask that activities listed here are specifically those that members have done on behalf of and for SETAC.*

**IG Name: Wildlife Ecotoxicology**

**IG Geographic Reach:**  Global /  North America

**Office Liaison:**  Tamar Schlekot /  Roel Evens

**Total membership who are SETAC members (shown in directory on SETAC group page):** 179

**2018 IG Chair(s): Current:** John Elliott, **Vice-chair:** Kim Fernie, **Outgoing:** Nico van den Brink

**2018 Steering Committee Members:**

Name	Sector	Geographic Unit	Term (yr – yr)
Vacant	Industry	Europe	
John Elliott	Government	North America	2014 -
Kim Fernie	Government	North America	2014 -
Clementine Fritsch	Academic	Europe	2014 -
Mark Johnson	Government	North America	2014 -
Mason King (new student rep)	Academic	North America	2018-
Natalie Karouna	Government	North America	2017 -
Rafa Mateo	Government	Europe	2014 -
Christy Morrissey	Academic	North America	2017 -
Barnett Rattner	Government	North America	2014 -
Renaud Scheiffler	Academic	Europe	2014 -
Richard Shore	Government	Europe	2014 -
Nico van den Brink	Academic	Europe	2014 -

\*Geographic Unit: North America, Europe, Asia Pacific, Latin America, Africa (by size)

**List IG Subgroups (if applicable):** A workshop steering committee is being developed

### **Administrative Matters:**

**Last Update of Charter:** 2018

**Is IG charter posted on the group page on SETAC website?** :  Yes /  No

**Frequency of IG Steering Committee meetings during the course of the year:** Bi-monthly

**Frequency of communication with general membership (e.g., share material [articles, guidance documents, announcements], encourage session proposal ideas, and encourage abstracts submissions...etc.):** Ongoing at least bi-monthly

**Conducted General IG Membership Appeal for Steering Committee in September 2017:**  Yes /  No

**Issues/Problems - Support Needed from Board/Council or office:** None

## **IG Name:** Wildlife Toxicology

**Summary:** The Wildlife Toxicology Interest Group (SETAC-Global) was established in 2014. The mission of the WTIG is to improve and communicate the scientific outcome of research related to wildlife toxicology, promote and advance the use of non-destructive, sub-lethal, ethical and scientifically sound methods, and when possible, animal alternative models. The founding steering committee (Nico van den Brink, John Elliott, Mark Johnson, Kim Fernie, Derek Muir, Barnett Rattner, Richard Shore, Clémentine Fritsch, Renaud Scheifler, Rafael Mateo) was increased in 2017 by three members following elections: Emmanuelle Bonneris, Natalie Karouna and Christy Morrissey. One member, Derek Muir, left the steering committee in 2017. A second member, Emmanuelle Bonneris was forced to leave prematurely in 2018 for health reasons. We have initiated a process to replace her, as an industry member. The WTIG charter was finalized and approved with a formalized process of selecting an executive and steering committee membership on a rotational schedule.

### **In 2018, IG activities included:**

- Organizing face to face WTIG business meetings at North American (Sacramento) and European (Rome) annual conferences. Those meetings have been well attended averaging 30 attendees.
- Organizing scientific sessions at annual meetings:
  - Rome 2018:
    - A. Wildlife ecotoxicology: laboratory dosing studies to field population assessments (2 session combined with Herp Ecotox group): John Elliott, Veerle Jaspers, Cristina Fossi, Scott Glaberman (Ecotoxicology of Reptiles and Amphibians IG)
    - B. Bioaccumulation session : When ecotoxicology meets trophic ecology: Clementine Fritsch, Michaël Danger and Glória dos Santos Pereira
    - C. Special Symposium proposal related to UN CMS poisoning activities: Rafa Mateo, Richard Shore, Nico van den Brink
  - Sacramento 2018:
    - A. “Wildlife ecotoxicology in support of Management Decision-Making” (1 session). Rebecca Lazarus and Katrina Leigh (from The Wildlife Society), Barnett Rattner, John Elliott.
    - B. Birds under stress: impact of chemical exposure and environmental changes (2 sessions): d Jonathan Verrault, Kim Fernie
    - C. Current use pesticides: exposure and effects on non-target organisms and ecosystems (2 sessions): Christy Morrissey, Kathy Kuivila
- Ongoing process to plan a wildlife ecotoxicology technical workshop. Considerable effort, many conference calls and several face to face meetings at annual conferences, has gone into trying to define a theme and develop a workshop around a general topic of integrating risk assessment and conservation paradigms in wildlife ecotoxicology. A successful planning workshop was held in 2018 at SETAC Europe in Rome. The workshop will be organized by the steering committee. Final structure and planning would be done by that group. Currently it is not defined whether the workshop would be by invitation only or open registration. It will proceed with a defined structure and goals and a set of charge questions.
- Contributing towards the goals of the United Nations Convention of Migratory Species. Rafa Mateo and Richard Shore have attended workshops focused on issues of poisoning of migratory species. The steering committee is developing plans to provide expertise in wildlife exotoxicology to this UN

group. A special symposium on the topic was held in Rome, and a focused technical workshop in 2019 jointly with the CMS group.

- Continue development of the Wildlife Ecotoxicology Database developed by Renaud Scheifler and Clementine Fritsch at the University of Franche-Comte.

In 2019, IG goal(s) include:

- Organizing sessions at geographic unit meetings in Europe, Latin America and North America. For the SETAC 2019 North American meeting in Toronto, we will endeavor to engage the wider membership to submit ideas for sessions.
- Three sessions have been accepted for the call for abstracts for the Helsinki meeting:
  - A. Wildlife ecotoxicology: from sub-lethal responses to adverse effects at individual and population level (N. van den Brink, J. Elliott)
  - B. Developing the field of trophic ecotoxicology (Clémentine Fritsch, Michaël Danger, M. Glória Pereira)
  - C. Effects of multiple stressors in birds and mammals: field and experimental approaches (V. Jaspars, K. Fernie, B. Munro Jenssen)
- Expanding the geographic scope of the IG to include more outreach to Africa, Asia, Australia and Latin America. Currently this may include organizing a short course, session and other activities on Wildlife Ecotoxicology at the SETAC Latin America meeting in Cartagena, Columbia.
- Development and planning of a technical workshop on integration of risk assessment and conservation.
- Supporting the UN Convention on Migratory Species and their goals of reducing poisoning of migratory wildlife. Organize a workshop with this UN group at SETAC Rome and elsewhere as planned by CMS.
- Organizing business meetings at geographic unit conferences.
- Fully deploy the Wildlife Toxicology data base developed at the University of Franche-Comte.