

Prioritizing Research within SETAC

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http://www.setac.org/



SETAC

- Animal Alternatives
- Bioaccumulation Science
- Chemistry
- Dung Organism Toxicity Testing
- Ecological Risk Assessment
- Ecosystem Services
- Ecotoxicology of Amphibians & Reptiles
- Endocrine Disruption Testing and Risk
 Assessment
- Environmental Modeling Pesticides
- Exposure Modeling
- Extreme Stress Events
- Freshwater Salinization

- Global Soils
- Human Health Risk Assessment
- Life-Cycle Assessment
- Mechanistic Effect Models ERA
- Metals
- Nanotechnology
- Pharmaceuticals
- Plants
- REACH
- Sediments
- Sustainability
- Wildlife Toxicology



Advisory Groups

- Member initiated
- Formal request to be recognized
 - Steering committee elected
 - Rotating governance structure
 - Priority for sessions at annual meetings
 - Annual activities report
- Member driven
 - Sessions
 - Focussed topic meetings
 - Workshops
 - Publications



- Pellston Workshops
 - Cutting edge topics
 - 30 to 45 experts (by invitation)
 - Report findings
- Focused Topic Meetings
 - Narrower scope
 - Can be a few or many (invitation or open)
 - Report findings



Pellston Workshop

- The first was in 1977 (at the Field Biology Station, Pellston, Michigan, USA) to address the needs and the means for assessing hazards of chemicals to aquatic life
- More than 45 such workshops since on a wide range of environmental topics

Recent and Upcoming Highlights

- SETAC North America Focused Topic Meeting on Endocrine Disruption
- Passive Sampling Devices Workshop
- Webinars on Persistence of POPs-PBTs and Tissue Residue Approach to Toxicity Assessment
- Workshops on
 - Risks of Plant Protection Products to Pollinators
 - Global Guidance for LCA Databases (with UNEP)
 - Influence of Global Climate Change (GCC) on the Scientific Foundations of Environmental Toxicology and Chemistry
 - Life Cycle Impact Assessment Methods
 - Protection and Restoration of Ecosystem (with Society of Ecological Restoration)
 - Ecosystem Services (with the Ecological Society of America)





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Virtual Issue

Nuclear Accidents: Chernobyl Revisited, May 2011

Edited by C. Herb Ward

This virtual issue on the ecological effects of radiation and hazardous materials in the environment focused on the Chernobyl accident is being published by SETAC as a freely accessible resource to inform public and private sectors on the potential impacts of the March 11 earthquake, tsunami, and subsequent nuclear accident in Fukushima, Japan. Watch for new articles on radiation in the environment publishing in the July issue of IEAM!

Understanding the genetic consequences of environmental toxicant exposure: Chernobyl as a model system

Heather N. Meeks, Ronald K. Chesser, Brenda E. Rodgers, Sergey Gaschak and Robert J. Baker

Biotic interactions modify the transfer of cesium-137 in a soil-earthworm-plant-snail food web

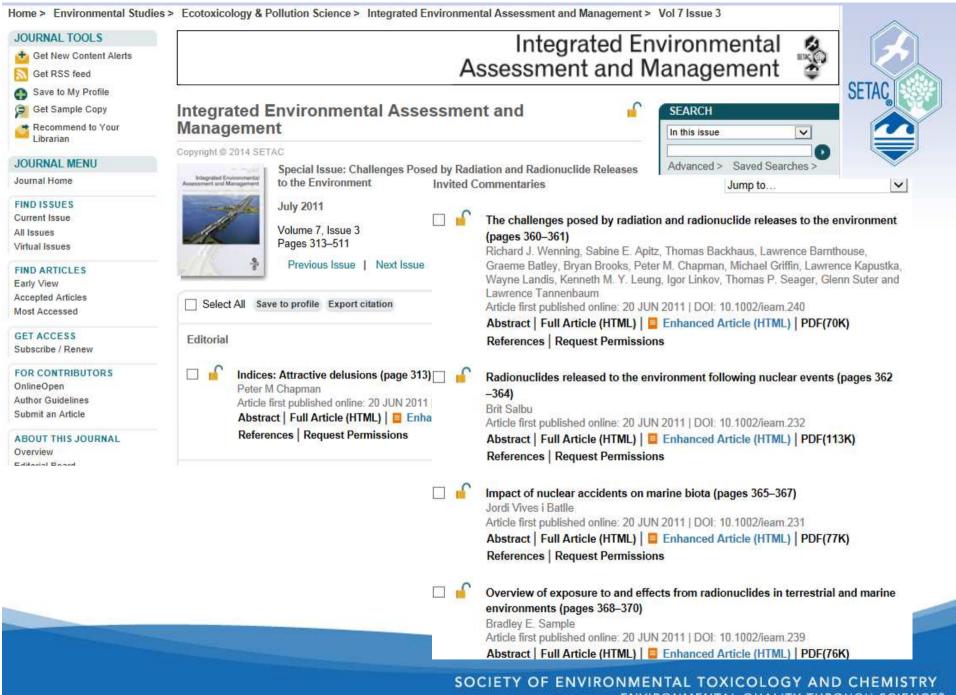
Clémentine Fritsch, Renaud Scheifler, Karine Beaugelin-Seiller, Philippe Hubert, Michaël





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SETAC Members engaged in Radioecology

An informal survey (Spring 2014):

Belgium 1
Canada 14
Sweden 1
USA 18
Total 34

- François Bréchignac and Igor Linkov organized sessions at SETAC Annual meetings
- Are there sufficient numbers to develop a working group?

SETAC Global Horizon Scanning Project – North America

- Surveying priority research questions
- Projects in each of the 5 SETAC GUS
- Top questions at 2016 World Congress



What is your Big Question?

setac.org or tinyurl.com/SETAC-Q





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