



# Prioritizing Research within SETAC

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SETAC North America Board Member

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

# Member Driven Advisory Groups



- **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



# Workshops and Focused Topic Meetings

- 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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# Integrated Environmental Assessment and Management



## Integrated Environmental Assessment and Management

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Special Issue: Challenges Posed by Radiation and Radionuclide Releases to the Environment

Invited Commentaries

July 2011

Volume 7, Issue 3  
Pages 313–511

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### Editorial

- Indices: Attractive delusions (page 313)**    
Peter M Chapman  
Article first published online: 20 JUN 2011 | [Abstract](#) | [Full Article \(HTML\)](#) | [Enha](#)  
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### SEARCH

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- The challenges posed by radiation and radionuclide releases to the environment (pages 360–361)**  
Richard J. Wenning, Sabine E. Apitz, Thomas Backhaus, Lawrence Barnhouse, Graeme Batley, Bryan Brooks, Peter M. Chapman, Michael Griffin, Lawrence Kapustka, Wayne Landis, Kenneth M. Y. Leung, Igor Linkov, Thomas P. Seager, Glenn Suter and Lawrence Tannenbaum  
Article first published online: 20 JUN 2011 | DOI: 10.1002/ieam.240  
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- Radionuclides released to the environment following nuclear events (pages 362–364)**  
Brit Salbu  
Article first published online: 20 JUN 2011 | DOI: 10.1002/ieam.232  
[Abstract](#) | [Full Article \(HTML\)](#) | [Enhanced Article \(HTML\)](#) | [PDF\(113K\)](#)  
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- Impact of nuclear accidents on marine biota (pages 365–367)**  
Jordi Vives i Batlle  
Article first published online: 20 JUN 2011 | DOI: 10.1002/ieam.231  
[Abstract](#) | [Full Article \(HTML\)](#) | [Enhanced Article \(HTML\)](#) | [PDF\(77K\)](#)  
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- Overview of exposure to and effects from radionuclides in terrestrial and marine environments (pages 368–370)**  
Bradley E. Sample  
Article first published online: 20 JUN 2011 | DOI: 10.1002/ieam.239  
[Abstract](#) | [Full Article \(HTML\)](#) | [Enhanced Article \(HTML\)](#) | [PDF\(76K\)](#)





## 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 are the Big Research Questions?

The Society of Environmental Toxicology and Chemistry (SETAC) is initiating this project to better inform its mission to achieve sustainable environmental quality.

The need for this initiative was proposed in a recent issue of *Integrated Environmental Assessment and Management* (available [here](#)).

In this, the second phase of the SETAC project (Africa was the first), we are seeking research questions relevant for North America. If you have questions pertaining to other regions, you will have an opportunity to submit them in future phases of this project. If you have questions pertaining to Africa, they can be submitted [here](#).

We recommend that you submit your questions using a computer keyboard or tablet, rather than smart phone.

Click below to proceed and submit your questions.

An initiative of the SETAC World Council, Environmental Science Department, Baylor University, and Environment Department, University of York.  
For more information on this exercise, see the FAQ or contact Bryan Brooks, Gary Jenkins, Alastair Rossall, or Murray Rudd.

### Society of Environmental Toxicology and Chemistry

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#### Become Part of a Novel Global Horizon Scanning Research Prioritization Project

Tuesday, December 17, 2013 (0 Comments)

The **Global Horizon Scanning Research Prioritization Project** aims to collect and prioritize the most important future research questions as requested by scientists from around the globe working in government, academia and industry. The results of this project contribute to the mission of SETAC to achieve Environmental Quality Through Science®.

The need for this initiative was proposed in a recent issue of *Integrated Environmental Assessment and Management*.

Submit questions online relevant to:

- Africa
- Europe
- Middle East
- North America

The survey started in Africa, then moved to North America, and the East and Europe. Future surveys for Asia, Pacific and Latin America will be available in the coming months.

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SETAC News [more](#)

4/17/2014 Call for abstracts for a Special Outreach Session in Vancouver this May.

4/16/2014 Abstract Submissions for SETAC Vancouver Now Open

4/1/2014 Deadline for Founders Award is 3 May

Upcoming Events [more](#)

## NEW!

Help SETAC identify geographically specific research needs to address stressor impacts on environmental quality.

Visit the Presentation Services Desk in the Presidential Lobby to provide your input, or go to [tinyurl.com/SETAC-Q](http://tinyurl.com/SETAC-Q).

### Global Horizon Scanning Research Prioritization Project

Scan the QR code for [tinyurl.com/SETAC-Q](http://tinyurl.com/SETAC-Q) to submit your research questions.

## What is your Big Question?

[setac.org](http://setac.org) or [tinyurl.com/SETAC-Q](http://tinyurl.com/SETAC-Q)

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