

Hello XXX,

I. Submit Your Priority Research Questions Today!

ACSEnvR has forged a unique partnership with the Society of Environmental Toxicology and Chemistry (SETAC)'s Chemistry Advisory Group to identify major research needs related to environmental quality. This partnership is part of the Global Horizon Scanning Project (GHSP), which SETAC initiated to better inform its mission to "support the development of principles and practices for protection, enhancement and management of sustainable environmental quality and ecosystem integrity." The GHSP provides a unique opportunity for ENVr and SETAC members to directly inform future strategic activities and to identify future research needs in environmental science and engineering.

In this phase of the project, we are seeking research questions relevant for North America. If you have questions pertaining to other global regions (e.g., Africa, Asia-Pacific or Latin America) you can submit them to other question solicitation webpages at www.setac.org/GHSP. Question submission for Europe has closed.

You were included in this internet-based survey because you are an ACSEnvR member. This novel survey is important and will help to better understand and manage environmental quality.

To access the survey, which will close on 31 August 2015, please proceed to <http://www.envsurvey.com/NA/SETAClogin.html>.

See section II below for some examples of priority questions.

This survey is voluntary and all responses will be strictly confidential. You can help ACSEnvR and SETAC very much by taking 10 to 20 minutes to complete this survey. All information collected during this survey will be aggregated for analysis at an upcoming workshop in Salt Lake City (see below). Following this workshop, ACSEnvR members will be asked to rank priority research needs, based on the questions submitted. Outputs of this ranking exercise will then be disseminated to the policy, business and scientific communities.

If you have any questions or comments about this project, we would be happy to supply you with any further information you may need. Please contact **Bryan Brooks, Gary Ankley, Alistair Boxall** or **Murray Rudd**.

Thank you for helping with this important effort to identify priority research needs for sustainable environmental quality!

II. What are Attributes of an “Ideal” Research Question and Examples of Recently Submitted Questions?

Attributes of an “ideal” research question include:

1. Address important gaps in knowledge
2. Be answerable through a realistic research design
3. Have a factual answer that does not depend on value judgments
4. Cover a spatial and temporal scale that could realistically be addressed by a research team (\$10M over 5 years)
5. Not be answerable by “it all depends,” or “yes” or “no”
6. If related to impact and interventions, it should contain a subject, an intervention and a measurable outcome

Here are some example questions:

- What are the influences of decreased instream flows in drought susceptible regions to the aquatic fate and risks of contaminants of emerging concern?
- What effluent treatment methods are effective in reducing the effects of contaminants of emerging concern while not increasing the toxicity of effluent discharges?