

# Global Water Research Coalition: An International Collaboration on Water Research

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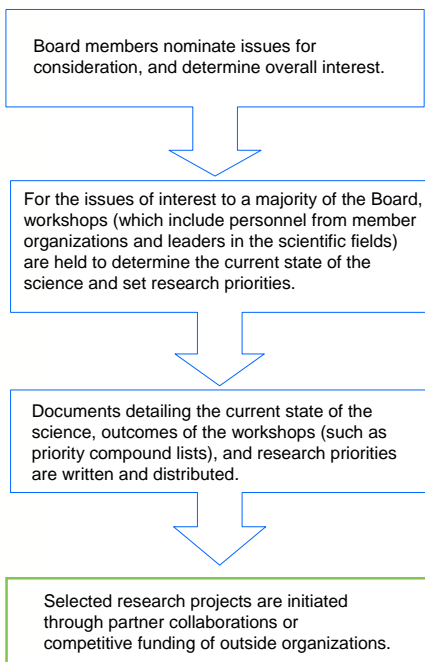
The Global Water Research Coalition (GWRC) is a formal, non-profit organization that is dedicated to promoting international cooperation and collaboration on water-related research. EPA's Office of Research and Development has established a formal partnership with the GWRC to foster collaboration, leverage funding and share knowledge on a global scale.

<http://www.globalwaterresearchcoalition.net/>

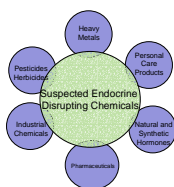


## GWRC Decision Process

The GWRC develops research priorities and projects through a series of Board meetings and workshops to establish a research agenda, as illustrated in the diagram below:



## Endocrine Disrupting Compounds (EDCs)



- ◆ Priority compound list
- ◆ Analytical round robin
- ◆ Public health and environmental risks of EDCs
- ◆ Occurrence and fate of EDCs in different parts of the water cycle

## Pharmaceuticals and Personal Care Products

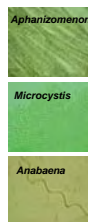


- ◆ Priority compound list
- ◆ Analytical round robin
- ◆ Removal during wastewater and drinking water treatment

## Current Research Priorities

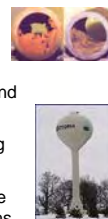
### Cyanobacterial and Algal Toxins

- ◆ Risk assessment for short term exposure
- ◆ Online and direct monitoring in recreational, source, and treated waters
- ◆ International guidance manual on the management of toxic algae for water suppliers



### Water Quality in Distribution Systems

- ◆ Operational management tools for discolored water
- ◆ Design and operation strategies for new and existing distribution systems
- ◆ Survey on the effects of in-house plumbing systems on water quality
- ◆ Survey on best practices for monitoring the security and integrity of distribution systems



## Research Strategies Under Development

- ◆ Water Reuse
- ◆ Asset Management
- ◆ Membrane Bioreactors
- ◆ Waterborne Pathogens
- ◆ Membrane Filtration

## Information Exchange

One of the goals of the partnership between the EPA and the GWRC is to promote the exchange information about research priorities, plans and results. This will be accomplished through several pathways:

- ◆ Drinking Water Research Information Network (DRINK) <http://www.epa.gov/drink>
- ◆ EPA Research Update Newsletter (future)
- ◆ Reports from GWRC workshops and results of research projects



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