WEBINAR: Using Advanced Water Quality Monitoring Technologies to Address Water Pollution on May 5, 2017 at 12:00 p.m. – 1:30 p.m. EST
- Hosted by Meridian Institute in collaboration with Pisces Foundation
- The webinar will cover merging data collection technologies from satellite remote sensing to citizen science crowdsourcing.
- Speakers and presentations are: Dr. Robert Shuchman (Technologies for Multi-Layered Water Quality Data Gathering); Dr. Erin Hestir and Dr. Erin Urrughart (Current Capabilities and Limitations of Remote Sensing for Water Quality and Related Land Use Monitoring); Jeff Allenby (Using Land Cover Mapping to Address Sources of Water Pollution in the Chesapeake Bay Watershed); Hilary Snook (Emerging Tools for Detecting Harmful Algal Blooms - Cyanobacteria Collaborative Monitoring Network); and Dr. Blake Schaeffer (Emerging Tools for Detecting Harmful Algal Blooms - Cyanobacteria Assessment Network (CyAN) Project)
- Please contact Liz Duxbury at Meridian Institute (lduxbury@merid.org or 970.296.3057)

Canada and Ontario Extend Public Consultations on Draft Action Plan to Reduce Harmful Algal Blooms in Lake Erie
This is to inform you that the public comment period for the Canada-Ontario Draft Action Plan for Lake Erie has been extended by an additional 15 days. The new deadline to submit comments is Wednesday, May 24, 2017. Please submit your comments through Canada’s engagement platform at www.letstalklakeerie.ca.

This newsletter was created by Dr. Lesley V. D’Anglada, Office of Water, U.S.EPA. To see previous editions of this newsletter, go to Freshwater HABs Newsletter. For more information, please visit the USEPA’s CyanoHABs Website.
RECENTLY PUBLISHED ARTICLES

**Adsorption of Ten Microcystin Congeners to Common Laboratory-Ware Is Solvent and Surface Dependent**

**Toxic effects of microcystin-LR on the development of prostate in mice**
Hui Zhang, Lihui Wang, Song Shen, Chenchen Wang, Zou Xiang, Xiaodong Han, Dongmei Li. Toxicology, Volume 380, 1 April 2017, Pages 50-61.

**Transfer, tissue distribution and bioaccumulation of microcystin-LR in the phytoplanktivorous and carnivorous fish in Anzali wetland, with potential health risks to humans**

**Toxicology of microcystins with reference to cases of human intoxications and epidemiological investigations of exposures to cyanobacteria and cyanotoxins**

**Screening of BMAA producing cyanobacteria in cultured isolates and in in situ blooms**

**A review of the phylogeny, ecology and toxin production of bloom-forming Aphanizomenon spp. and related species within the Nostocales (cyanobacteria)**
Samuel Cires, Andreas Ballot. 2016, Harmful Algae, 54, p. 21-43.

**New SPE-LC-MS/ MS method for simultaneous determination of multi-class cyanobacterial and algal toxins**

**Understanding the key ecological traits of cyanobacteria as a basis for their management and control in changing lakes**

**Cyanotoxins: Which detection technique for an optimum risk assessment?**
Virginie Gaget, Melody Lau, Barbara Sendall, Suzanne Frosio, Andrew R. Humpage. Water Research, Volume 118, 1 July 2017, p.227-238

**Taxonomy-free molecular diatom index for high-throughput eDNA biomonitoring**

**Ocean warming since 1982 has expanded the niche of toxic algal blooms in the North Atlantic and North Pacific oceans**

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**Toxins Journal** Topical Collection: "Freshwater HABs and Health in a Changing World". Register to submit a manuscript.

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Useful Resources
- SWAMP's California Freshwater Harmful Algal Bloom Field Guide
- The Valuation of Ecosystem Services Available from Farms and Forests

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