**Grant Opportunity: WaterSMART Cooperative Watershed Management Program Phase I**

The Department of the Interior, Bureau of Reclamation announced its 2018 funding opportunity seeking proposals for activities to develop a watershed group, fund an existing watershed group, complete watershed restoration planning activities, and design watershed management projects. States, tribes, local and special districts (e.g., irrigation and water districts), local governmental entities, interstate organizations, and non-profit organizations, including existing watershed groups, within the 17 western states are eligible to apply. Up to $100,000 in federal funds may be awarded to an applicant per award, with no more than $50,000 made available in a year for a period of up to two years. Applicants must submit their proposals by Wednesday, January 31, 2018, at 4:00 p.m. The funding opportunity number is BOR-DO-18-F005 and the Media Contact is Peter Soeth (303-445-3615).

**S.1057 - Harmful Algal Bloom and Hypoxia Research and Control Amendments Act of 2017 at House of Representatives**

On November 16, 2017, the S. 1057 HABHRCA passed the Senate and was introduced to the House Natural Resources Committee to reauthorize and authorize the appropriation of $22,000,000 in each Fiscal Year over the 2019-2023 period for NOAA to mitigate the harmful effects of algal blooms and hypoxia in marine and freshwater, the Great Lakes, freshwater lakes and rivers, upper reaches of estuaries, and those that migrate to coast waters from freshwater lakes and rivers. The bill would also allow federal disaster-like funds to be used to combat an algal bloom declared to be an “Event of National Significance.” Additionally, the bill adds USACE to the Inter-Agency Task Force on Harmful Algal Blooms and Hypoxia. No House committee hearings are yet scheduled.

**Important Links**

- [November/ December 2017 Fish and Shellfish Program Newsletter](#)
- [The Challenge of Tracking Nutrient Pollution 2,300 Miles](#)
- [NWQMC National Water Monitoring News](#)
- [OHEPA Public Health Guidance in Specific Settings During DW Advisories](#)
- [EPA STAR 2018 - 2020 Freshwater HABs Grants:](#)
  - Development of a multi-scale management tool for predicting and mitigating HABs in Ohio River watersheds
  - A systems approach for understanding, predicting, and managing harmful algal blooms in Midwestern Lakes

**UPCOMING EVENTS**

- **SETAC Europe HABs Special Session**
  - May 13-17, 2018
  - Rome, Italy

- **ASLO 2018 HABs Special Session**
  - June 10-15, 2018
  - Victoria, BC, Canada

- **IAGLR 2018 Conference HABs Special Session**
  - June 18-22, 2018
  - Toronto, Canada

- **18th ICHA**
  - October 21-26, 2018
  - Nantes, France

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BLOOMS, BEACH CLOSURES and HEALTH ADVISORIES, DECEMBER 2017

![California (6)](image1) ![Florida (3)](image2) ![Idaho (2)](image3) ![Ohio (1)](image4) ![Oregon (1)](image5)

**SUMMARY OF HABs-RELATED ADVISORIES POSTED IN 2017***

* Postings include blooms, cautions, warnings, public health advisories, and closings, due to the presence of algae, toxins or both. This is NOT a comprehensive list, and many blooms may have not been reported.

**RECENTLY PUBLISHED ARTICLES**

**Identification of cyanobacteria and microalgae in aerosols of various sizes in the air over the Southern Baltic Sea**

**Temperature and precipitation shape the distribution of harmful cyanobacteria in subtropical lotic and lentic ecosystems**

**Fresh water, marine and terrestrial cyanobacteria display distinct allergen characteristics**

**Hot and toxic: Temperature regulates microcystin release from cyanobacteria**

**Cyanobacteria blooms induce embryonic heart failure in an endangered fish species**

**Evaluation of potassium ferrate as an alternative disinfectant on cyanobacteria inactivation and associated toxin fate in various waters**

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For more information, please visit the USEPA’s CyanoHABs Website