Data Scientist/PostDoctoral Associate

We are seeking a Data Scientist for a research project focused on spatio-temporal dynamics of nutrients and water quality in the western arm of the Lake Superior Basin to understand emerging harmful algal blooms. This position will work to synthesize monitoring data collected from several agencies and institutions to develop an optimized monitoring strategy to efficiently capture water quality and nutrient dynamics that will be implemented by agency partners and develop nutrient load models from the synthesized datasets to understand nutrient impacts on blooms in Lake Superior. This project provides a unique training opportunity to do user-driven research that serves a community's specific needs and build a professional network of managers and local decision makers. The person in this position will develop skills in data synthesis, modeling, facilitation, educational curriculum development, and communicating with a wide range of audiences, which will assist them in pursuing a career track focused on applied science while maintaining and growing academic networks. This position provides numerous avenues of professional development that span academy to agency science. The Data Scientist will also engage in professional development activities (e.g., Global Lake Ecological Observatory (GLEON), relevant conferences, student mentoring, educational programs).

Duration: Two years with the preferred start date between May and July 2024.

Location: This position will be based at the Lake Superior National Estuarine Research Reserve (NERR) in Superior, WI or Center for Limnology in Madison, WI, and be co-mentored by Kait Reinl (Lake Superior NERR, UW-Madson) and Hilary Dugan (Center for Limnology, UW-Madison).

Qualifications: Skills in data science and expertise in aquatic ecosystems, algal biology, cyanobacterial blooms, and oligotrophic systems are highly desirable. **Ph.D. in relevant field, or Master's with significant experience in the desired fields required.** Written and oral communication skills will be essential.

Compensation: The salary for this position is $56,000 with benefits.

Apply: To apply, send a cover letter, curriculum vitae, and the names of three references by e-mail to **kreinl@wisc.edu**. Review of applications will begin right away and will continue until position is filled. UW-Madison is committed to providing opportunities to people from all backgrounds to help create a welcoming, empowered, and inclusive community. UW-Madison encourages women, minorities, veterans, and people with disabilities to apply. UW-Madison is an affirmative action/equal employment employer and we encourage women, minorities, veterans, and people with disabilities to apply.

About Us: The Lake Superior Reserve is a member of NOAA's National Estuarine Research Reserve System, a network of 30 coastal sites designated to protect and study estuarine systems around the United States. The Reserve encompasses over 16,000 acres along the St. Louis River estuary in Wisconsin. The Reserve is part of the University of Wisconsin–Madison Division of Extension's Natural Resources Institute with leadership from the National Oceanic and Atmospheric Administration and is part of the University of Wisconsin-Superior campus in the city of Superior .The Center for Limnology (CFL) was established in July 1982 to coordinate, conduct and facilitate research, teaching and outreach on freshwater ecosystems at University of Wisconsin-Madison. The Center grew out of almost one hundred years of limnology at the University and includes long-term studies, synthesis, modeling, Great Lakes research, and application to resource management and environmental issues. The Center for Limnology's mission is to exemplify The Wisconsin Idea by providing new knowledge and information on aquatic ecosystems through research, education, outreach and public service; and to facilitate and support research and teaching based around facilities at the Hasler Laboratory of Limnology and Trout Lake Station.