

## **Graduate Pursuit: Moving beyond random acts of restoration to robust adaptive resilience: a case comparison between the U.S. and Canadian coasts of Lake Erie**

### **Time of Event:**

Monday, May 7, 2018 - 09:00 to Thursday, May 10, 2018 - 17:00

### **"Moving beyond random acts of restoration to robust adaptive resilience: a case comparison between the U.S. and Canadian coasts of Lake Erie"**

This is a closed meeting for a funded group of visiting scholars.

Lakes are important socio-ecological systems that provide a multitude of benefits including water for domestic and irrigation use, fish and aquatic habitat, recreation, energy and economic resources, regulation of river flows, and a linkage to groundwater. Balancing lake system uses in a sustainable manner is challenging due to the complex multi- and often mismatched scales between governing institutions and ecological systems. Despite more than 40 years of decision-making by Lake Erie water resource managers at varying governance levels, and countless "random acts of restoration," Lake Erie remains the most polluted Great Lake. One potential solution is to move towards more robust, adaptive resilience at the landscape level. However, this approach requires an interdisciplinary research and coordination from social scientists, environmental scientists, and policy experts. To address the challenges to and opportunities for a robust resilience plan, this pursuit conducts a case study comparison between U.S. and Canadian coastline management of Lake Erie. Using existing ecological and social data, this project utilizes several qualitative and quantitative approaches including: social-ecological network analysis, water quality indicator comparisons, and spatial analyses. These approaches are combined to produce new knowledge and resources that can help policymakers and other stakeholders identify opportunities for future resilience investment. Lastly, we develop a methodological approach that can be implemented in other transboundary water systems to help develop effective resilience programs that integrate ecological and societal concerns.

To learn more about this Graduate Pursuit, click [here](#) [1].

### **Event type:**

Project Meeting

### **Event Attendance:**

Private Working Group

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### **Source URL:**

<https://www.sesync.org/events-announcements/tue-2018-04-10-1334/graduate-pursuit-moving-beyond-random-acts-of-restoration>

### **Links**

[1]

<https://www.sesync.org/project/may-2017-rfp-s-e-synthesis-research-for-graduate-students/moving-beyond-random-acts-of>