

NYSG is part of a national research collaboration consortium focused on climate-induced human migration

Assessing Climate-Driven Migration in the Great Lakes

C limate change impacts coastal communities through flooding, storm surge, extreme weather (including drought), and sea level rise. These hazards may lead communities to relocate away from the coasts. Conversely, researchers have identified some areas of the United States as receiving areas for potential climate migrants. Despite increased reference to the link between climate change and human mobility (displacement, migration, planned relocation), there is a dearth of knowledge on how shifts in population patterns intersect with underlying socioeconomic, cultural, political, and environmental processes. Programs to empower communities to make decisions on relocation are lacking and there is a need to identify the resources that enable or constrain the ability of communities to relocate.

New York Sea Grant (NYSG) and other Sea Grant programs received funding from the National Science Foundation to develop a Research Coordination Network focused on climate-driven migration. The project named People on the Move in a Changing Climate (PEMOCC) is providing the scientific infrastructure that is required to conduct placebased, use-inspired collaborative research on climate-induced human mobility and regionally-tailored engagement strategies.

In June 2022, NYSG hosted and co-facilitated a PEMOCC workshop for the Great Lakes region in Buffalo, NY. The workshop featured the current state of knowledge on climate-induced human mobility, provided local/ regional case studies, and addressed the unique needs of underserved

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2022 Great Lakes and Climate Migration Factsheet: https://www.nyseagrant.org/GLPeopleOnTheMove

and underrepresented coastal communities. Fifty participants from across the Great Lakes Basin states attended.

A "Great Lakes and Climate-Induced Human Migration" factsheet is now publicly available, prompting consideration of how climate change influence on human migration, displacement, and planned relocation may impact the Great Lakes region. A related presentation was made to the Erie County Climate Task Force.

Workshop outcomes that will help communities in the Great Lakes Basin and elsewhere move forward in their efforts to address climate-driven migration challenges and opportunities include:

- 1) data and research gap analyses,
- 2) a framework for conducting use-inspired research,
- 3) education and engagement needs for building community resilience and climate adaptation, and
- 4) a network of interdisciplinary and diverse researchers engaged in the study of climate-induced human mobility.

Partners:

- · Andrea Harder, University at Buffalo Master of Urban Planning student
- Pennsylvania, Ohio, Illinois-Indiana, Michigan, Wisconsin Sea Grants (Great Lakes) Georgia Sea Grant
- Funding: National Science Foundation

The Sea Grant Focus Area for this project is Resilient New York Communities and Economies.

New York Sea Grant is a joint program of Cornell University, the State University of New York, and NOAA. Contact: New York Sea Grant Extension, 112 Rice Hall, Cornell University, Ithaca, NY 14853; www.nyseagrant.org. Project summary was written by NYSG Associate Director Katherine Bunting-Howarth, Ph.D., J.D., 607-255-2832, keb264@cornell.edu.