Lake Superior State University's

Center for Freshwater Research and Education

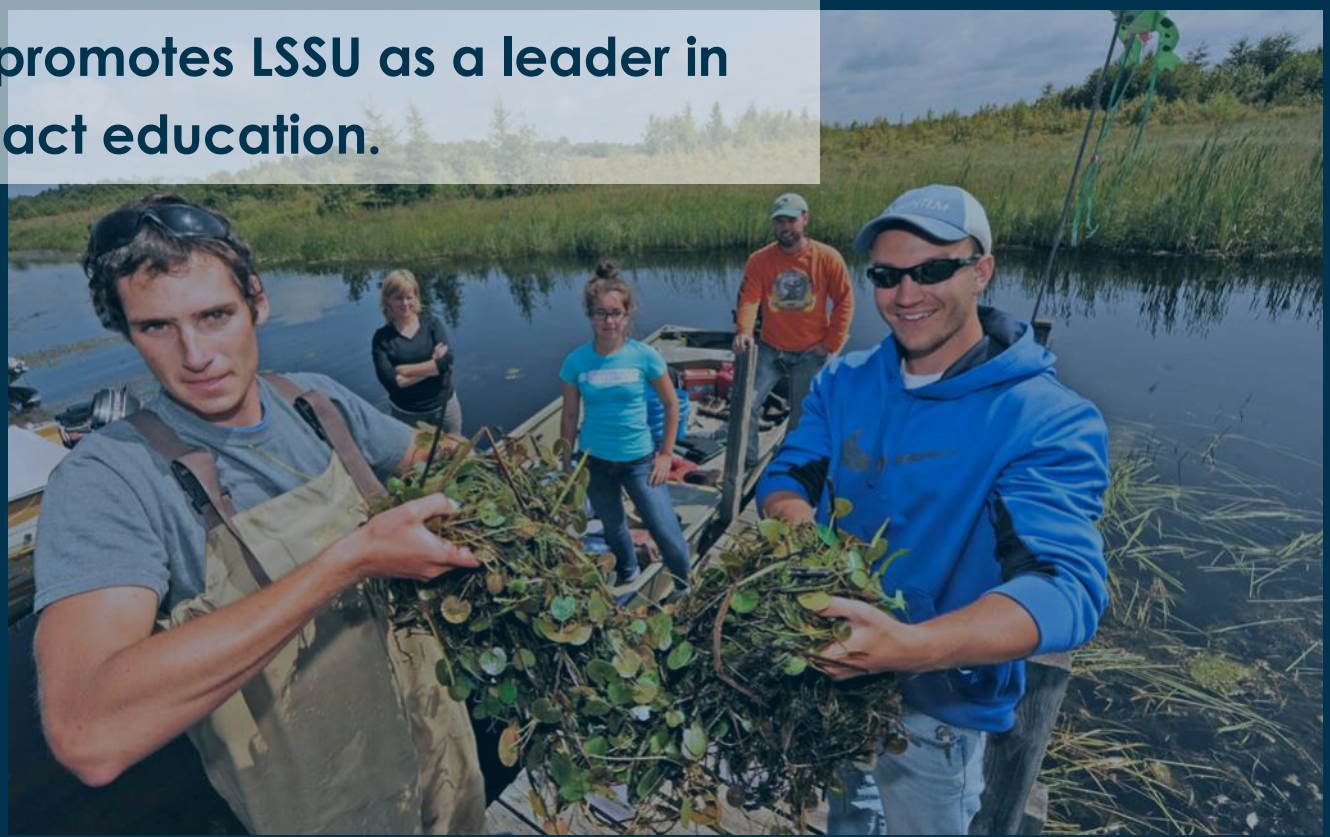
Strategic Plan 2018-2020

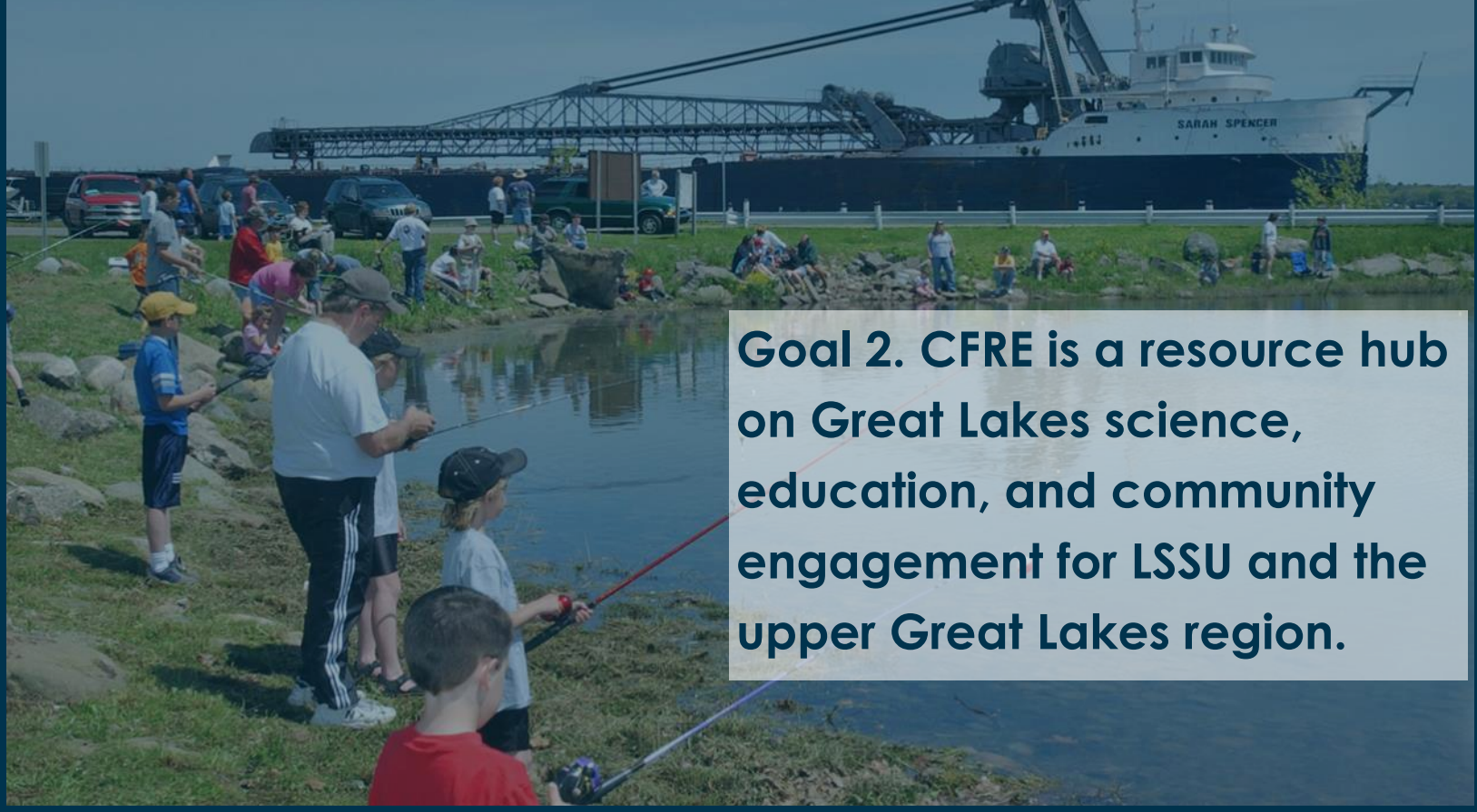
Sustain our Great Lakes.

CFRE's MISSION

Partnering to sustain Great Lakes resources through education, research, and community engagement

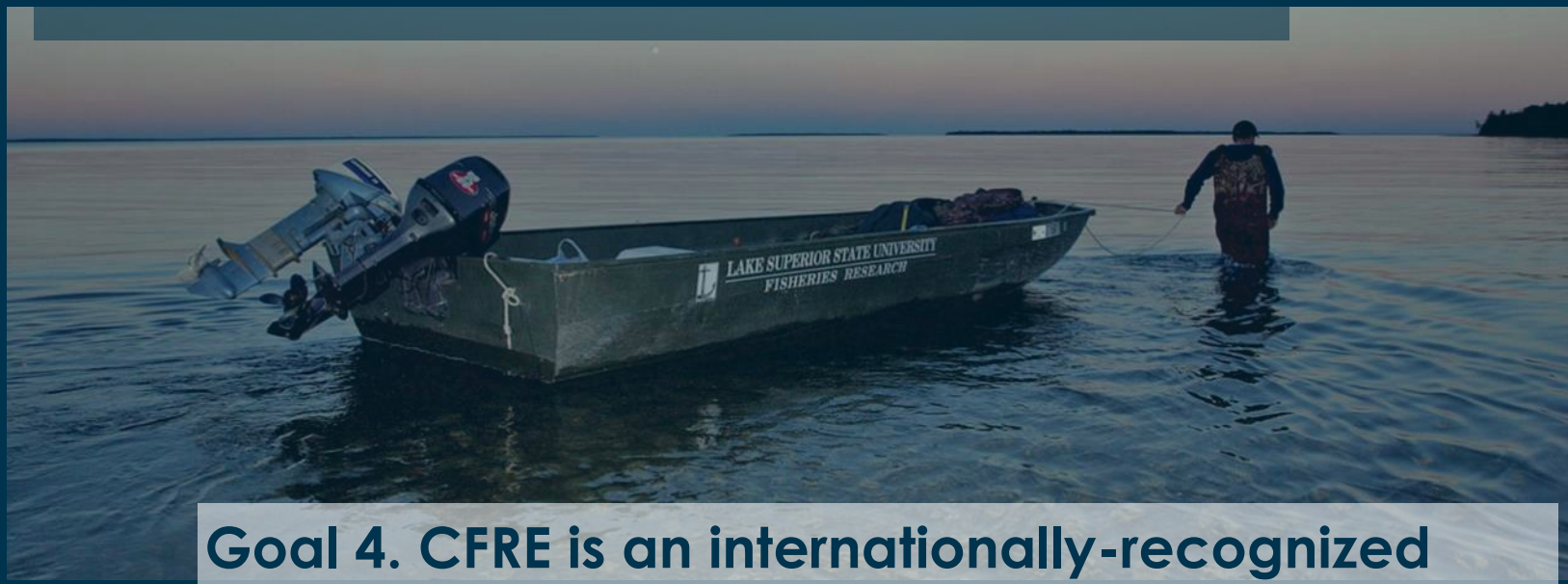
Goal 1. CFRE is a sustainable academic unit that promotes LSSU as a leader in high-impact education.





Goal 2. CFRE is a resource hub on Great Lakes science, education, and community engagement for LSSU and the upper Great Lakes region.

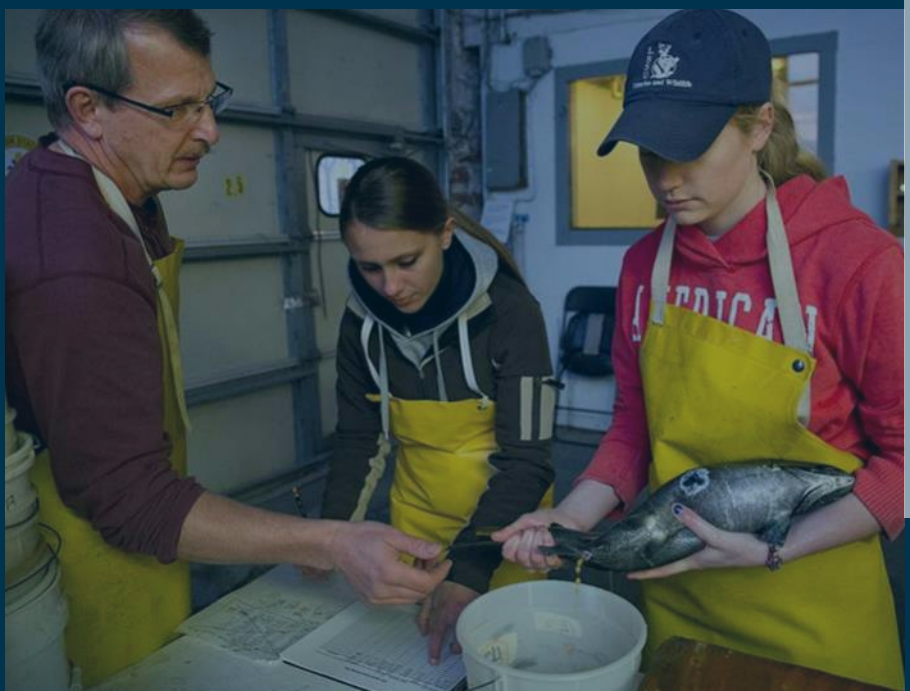
Goal 3. CFRE is a model for real-world, transformational undergraduate education in freshwater science and stewardship.

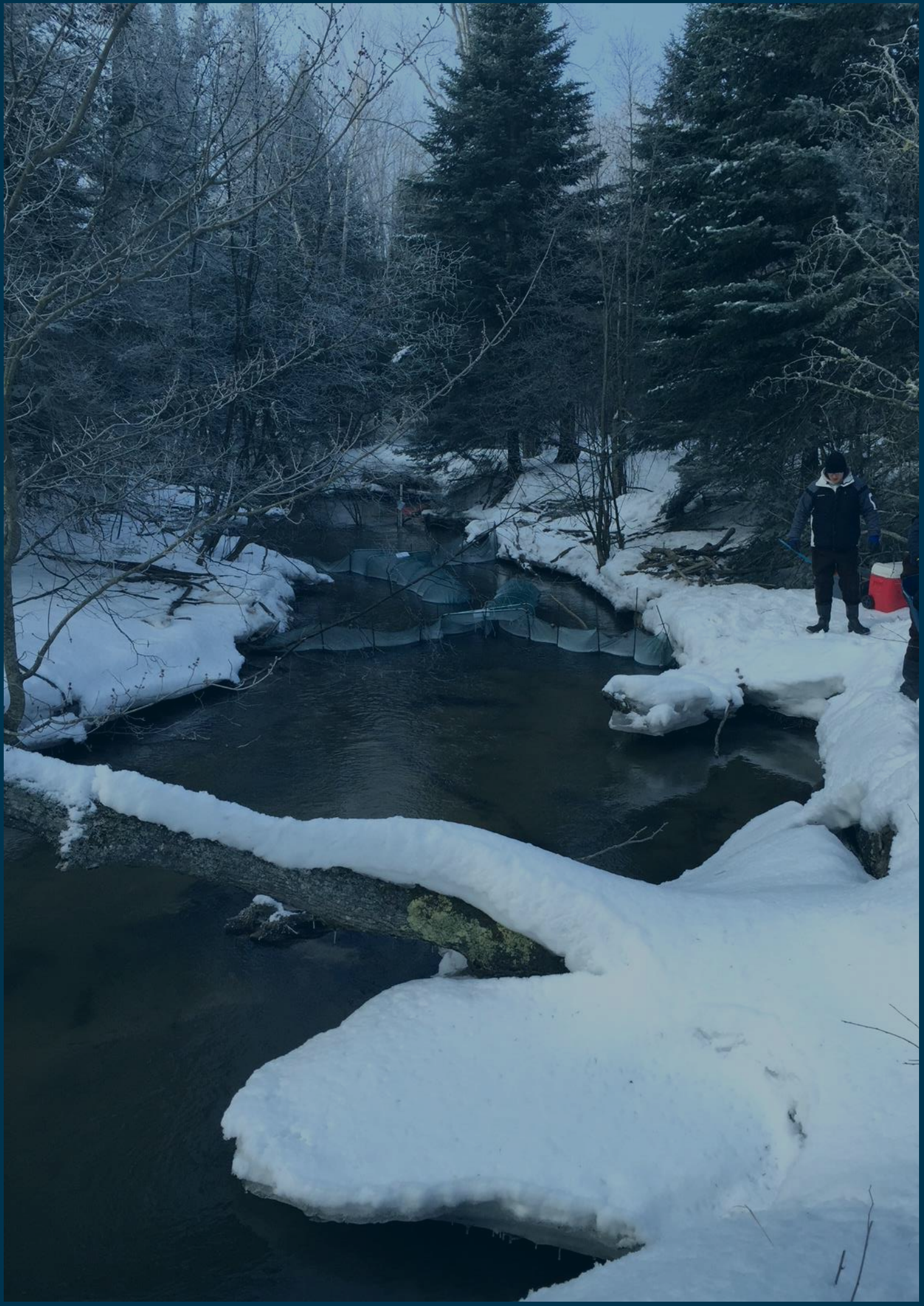


Goal 4. CFRE is an internationally-recognized research program in Great Lakes freshwater science that engages LSSU personnel, undergraduate students, and external partners.

Goal 5. CFRE creates freshwater stewards through Great Lakes-based education programs for pK-12 students and community members.

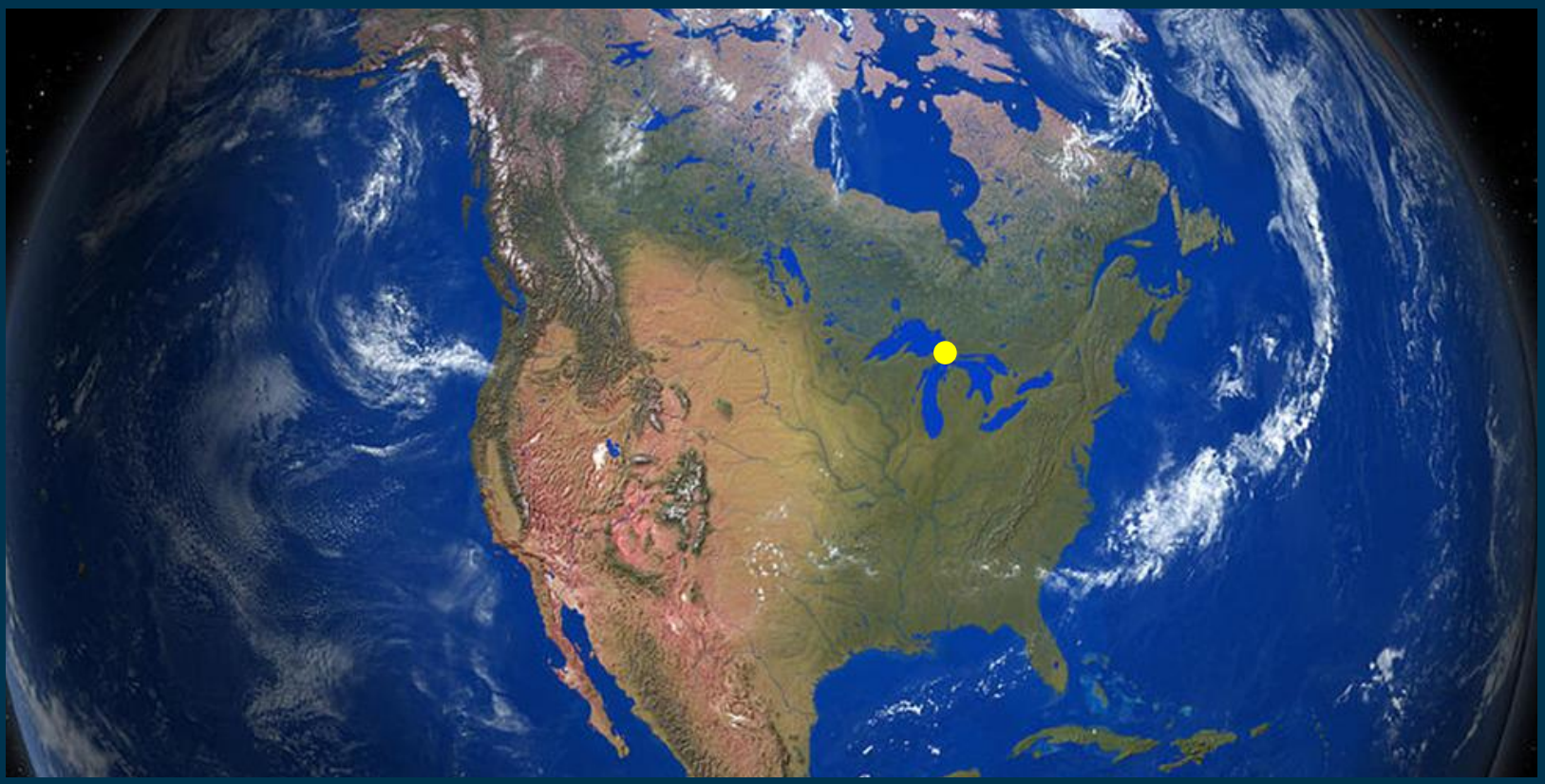
Goal 6. CFRE's policies and procedures incentivize collaboration, innovation, and diversity in research, education, and community engagement, and procedures maximize operational efficiency.





No	Goals	Objective
1	**CFRE is a sustainable academic unit that promotes LSSU as a leader in high impact undergraduate education**	1.1 Develop a financial model to support CFRE operations, including staffing and equipment acquisition and maintenance 1.2 Develop a culture that acknowledges accomplishments and supports staff job satisfaction 1.3 Engage faculty, staff, and students in the use of CFRE for research and educational activities 1.4 Maintain facilities that are energy efficient and state-of-the-art
2	**CFRE is a resource "hub" on Great Lakes science, education, and community engagement for campus and the upper Great Lakes region**	2.1 Facilitate use of equipment and facilities 2.2 Provide educational materials for k-12 and community 2.3 Facilitates development of new Great Lakes partnerships and maintain existing partnerships 2.4 Provide regional expertise on freshwater science issues
3	**CFRE is a model for real-world, transformational undergraduate education in freshwater science and stewardship**	3.1 Provide innovative hands-on training opportunities in freshwater science 3.2 Provide undergraduate research opportunities 3.3 Create opportunities for students to conduct outreach and community engagement 3.4 Provide real-world classroom experiences for Education majors 3.5 Engage LSSU teacher education students and students in other majors in formal and informal teaching roles

No	Goals	Objective
4	**CFRE is an internationally-recognized research program in Great Lakes freshwater science that engages LSSU personnel, undergraduate students, and external partners**	4.1 Increase research activity and opportunities related to Great Lakes fresh- 4.2 Maintain and increase international research collaborations 4.3 Increase popular media coverage of CFRE research activity 4.4 Increase contract/grant activity and enhance status of the Environmen-
5	**CFRE creates freshwater stewards through Great Lakes-based education programs for pK-12 students and other community members**	5.1 Create/adopt NGSS/CC aligned Great Lakes stewardship curriculum for 5.2 Engage community members in Great Lakes stewardship activities 5.3 Design and create Visitor Center and Discovery Center interactive dis-
6	**CFRE's policies and procedures incentivize collaboration, innovation, and diversity in research, education, and community engagement, and procedures improve operational efficiency**	6.1 Have clear procedures in place for efficient and safe operations of all facil- 6.2. Develop policies to incentivize indirect cost recovery and salary recovery 6.3 Develop policies and procedures for academic use for both university courses and K-12 instruction, including CTE educational programming 6.4 Develop policies and procedures related to community use of CFRE 6.5 Develop policies and procedures to establish and incentivize CFRE Affiliate Faculty and Visiting Research Associates



CFRE is located at the nexus of three Great Lakes, which collectively represent nearly 20% of the world's fresh surface water