

Great Lakes BLUE TECH CHALLENGE

2026 Focus Areas

Resilience and Adaptation

- Infrastructure resilience solutions to extreme weather
- Flood and drought mitigation
- Disaster preparedness and recovery
- Resilience solutions risk assessment and planning
- Adaptive technologies for communities and industries
- and other subcategories

Aquatic Ecosystems and Aquaculture

- Sustainable aquaculture and fish farming
- Habitat restoration and conservation
- Water quality monitoring and management
- Aquatic species health and productivity
- Ecosystem protection technologies
- and other subcategories

Maritime Mobility and Exploration Systems

- Autonomous and manned vessels
- Navigation and safety systems
- Maritime transportation and logistics
- Ocean and freshwater exploration technologies
- Research vessels and related equipment
- and other subcategories

Water Treatment and Purification

- Drinking Water Treatment
- Industrial and Process Water Treatment
- Wastewater Treatment

Water Treatment and Purification (cont'd)

- Desalination
- Point-of-Use or Household Solutions
- and other subcategories

Resource Recovery and Circular Solutions

- Water Reuse and Recycling
- Nutrient Recovery
- Energy Recovery from Wastewater
- Material Recovery and Upcycling
- Circular Water and Resource Systems
- and other subcategories

Water Intelligence and Decision Support

- Sensors and IoT for Water Monitoring
- Data Analytics and Modeling
- Decision Support Systems (DSS)
- Digital Twins and Simulation
- and other subcategories

Water Infrastructure and Asset Management

- Asset Management Systems
- Infrastructure Planning and Design
- Smart Infrastructure and Automation
- Maintenance and Rehabilitation Technologies
- and other subcategories