

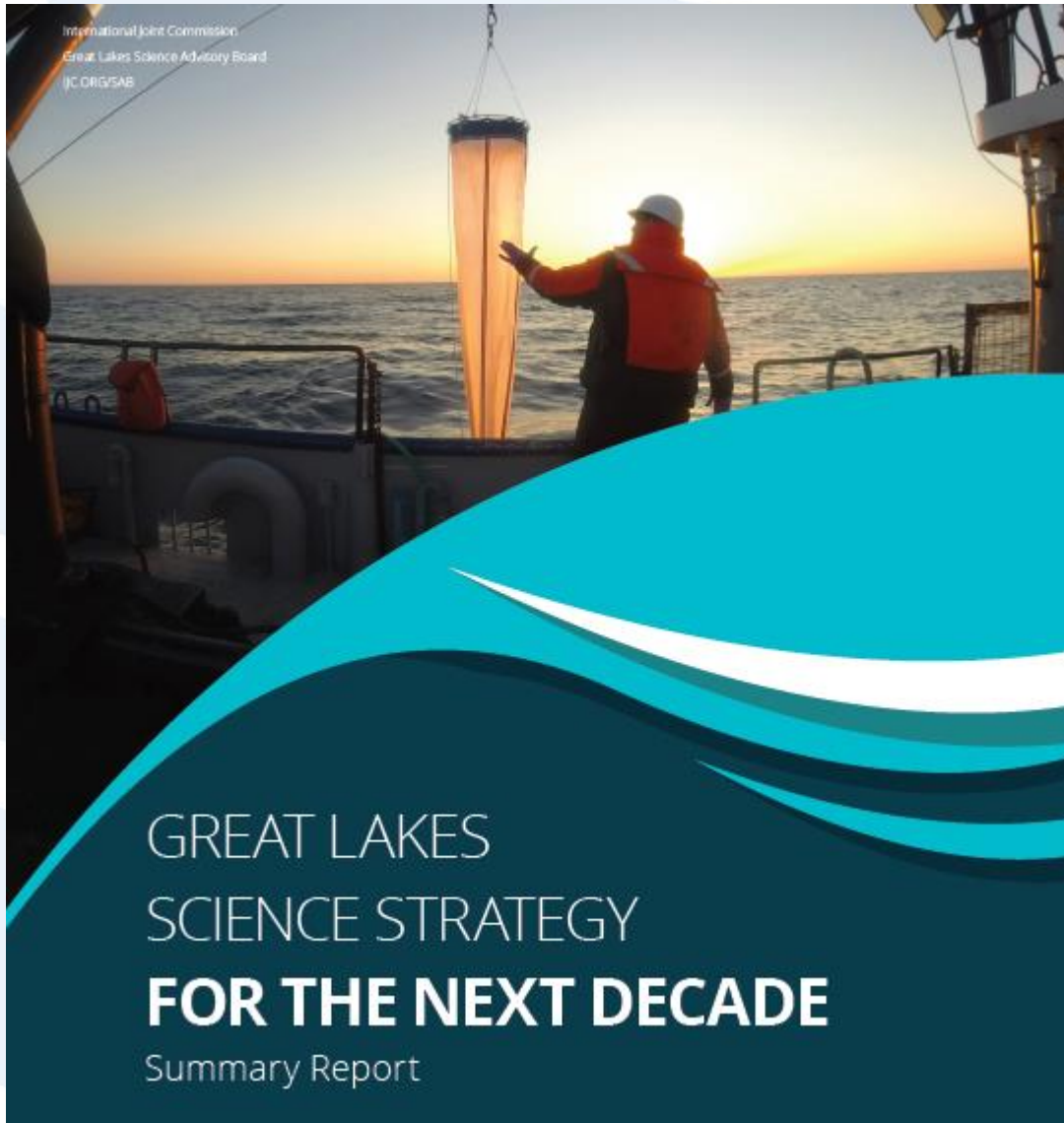


Great Lakes Science Strategy For the Next Decade

IJC Great Lakes Science Advisory Board Summary Report

Update – January 12, 2023
Great Lakes Science Vessel Coordination Workshop

November 2022 SAB Report



- Approved by IJC & sent to governments.
- Engagement
- Phase II – Build coalition to develop Science Plan including funding allocations.



Goal: Anticipate Change & Drive Permanent Sustainability

- Changing fast - Within last 20 to 30 years, Great Lakes witnessed ecological changes that equal any seen over the last century.
- Developed with the help of hundreds of knowledge-holders.
- Decadal Science Strategy outlines six priority areas to target investments of US\$100 million (CDN\$125 million) annually for the next 10 years.

Research to understand ecosystem processes and dynamics more fully	Inclusion of broad socioeconomic and cultural perspectives
Monitoring and long time series measurements	Science infrastructure and Centers of Excellence
Enhanced forecasting systems	Workforce development



Relevance to Science Vessels

- Found that research infrastructure needed to carry out essential parts of the Science Strategy was deficient; identified need for state-of-the-art research fleet.
- Used stats from www.CanAmGlass.org - current makeup of fleet has limited capacity based on needs from 40+ years ago.
- Places high priority on updating the Great Lakes research fleet and associated platforms - approximately one-third of total proposed investment to provide for the addition of purpose built, interdisciplinary, all-season state-of-the art platforms including ice-hardened and regional class research vessels.



See full report at:

**[https://www.ijc.org/en/sab/GL-
Science-Strategy](https://www.ijc.org/en/sab/GL-Science-Strategy)**

Thank You

