

Annex 6 – Aquatic Invasive Species Annex Implementation Update

**Great Lakes Panel Meeting
November 7-8 – Ann Arbor, MI**

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Annex 6 – Aquatic Invasive Species

Purpose: establish a binational strategy to prevent the introduction of Aquatic Invasive Species (AIS), to control or reduce the spread of existing AIS, and to eradicate, where feasible, existing AIS within the Great Lakes Basin Ecosystem, including:

- Ballast water management in Annex 5
- Prevent the introduction and spread of AIS by:
 - Conducting binationally coordinated risk assessments on pathways
 - Developing regulations or management strategies informed by risk assessments and coordinating implementation
- Education and outreach efforts
- Establish barriers that prevent spread
- Inter-basin transfer of water considers risk of AIS

Annex 6 – Aquatic Invasive Species

By 2015 develop & implement an early detection & rapid response initiative that:

- Develops species watch lists
- Identifies priority locations for surveillance
- Develops monitoring protocols for surveillance
- Establishes protocols for sharing information
- Identifies newly introduced AIS
- Coordinates effective & timely domestic and, when necessary, binational response actions to prevent the establishment of newly detected AIS



Science and Action Priorities, 2016-19

- Action
 - Refine & enhance our ability to detect and to respond to invasive species to provide the critical second line of defense.
 - Advance a clearinghouse or inventory for AIS species & pathway risk assessments to support actions in all jurisdictions.




Science and Action Priorities, 2016-19

- Science to:
 - Determine feasibility and effectiveness of AIS eradication & containment methods including understanding their impacts on the environment and ecosystem
 - Develop technology & methods to achieve effective barriers that prevent the migration of AIS, while allowing the movement of beneficial species
 - Evaluate and enhance AIS early detection technologies & methods

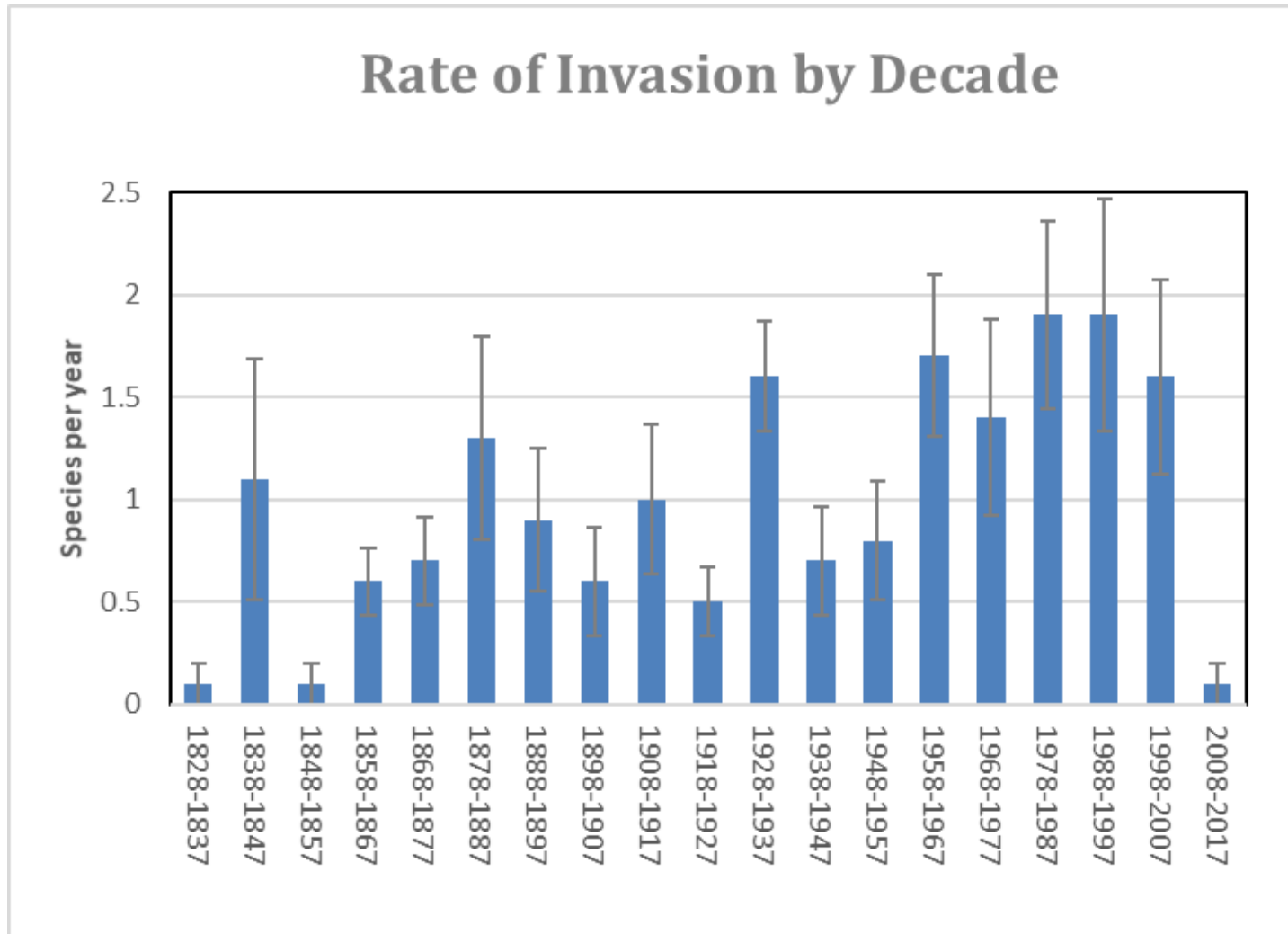


Progress Report Highlights

Actions:

- Response planning and implementation, e.g. response protocols in the CAWS, response protocols in Canadian waters, coordinated interagency Grass Carp exercises and decision analyses.
 - Reducing risk of invasion through the Chicago Area Water way with the Brandon Road Lock and Dam project.
 - Established new coordination mechanisms to deal with invasive fish species under the Joint Strategic Plan
 - Advancing Mutual Aid
 - Risk Assessment Clearing House - inventories for risk assessments of species to support regulation and management actions.
 - Development of new sub-indicators for AIS introduction and impacts
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Progress Report Highlights






Progress Report Highlights

Science:

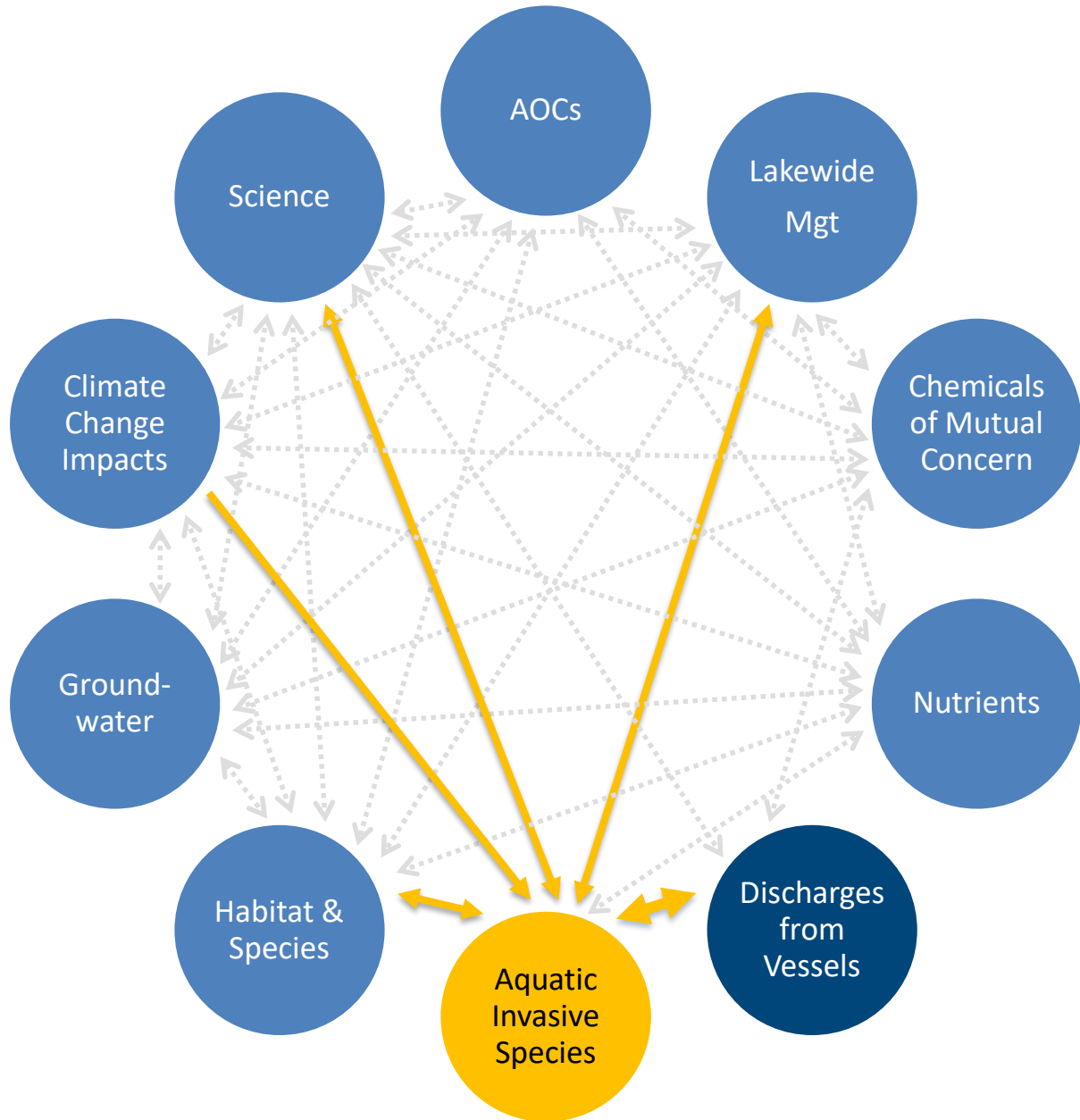
- Development of new tools and technologies to support comprehensive AIS management
 - Expanded identification, evaluation and incorporation of human dimension/socio-economic information to inform AIS strategies and policies
 - Continued development, refinement and use of early detection monitoring tools and networks, and related interagency rapid response (contingency response) plans focused on key AIS, including Asian carp.
 - Continued research and development of control and management technologies.
 - Science on selective fish passage and barrier design - FishPass
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New Priorities

- Action
 - Continue progress
 - Science
 - Continue progress
 - GL Panel Priorities Discussions
 - Leveraging and advancing shared priorities
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Cross-annex Coordination - AIS Annex 6



A large group of fish, likely salmon, are captured in mid-air, jumping out of the water. The fish are silvery and appear to be in a dense school. The water is dark and turbulent, with many splashes and white foam from the jumps. The background is a dense forest of green trees and foliage.

Thank you