

# Canadian Shipowners Association Risk Transfer Mitigation Project

Ballast Water Collaborative  
Duluth August 2-3, 2012



# Risk Transfer Mitigation Project

## Risk Model

- Developed to a mature point
- Lacked comprehensive risk methodology
- Great for developing understanding of risk and application of BMPs and technology, but does not yet have a role in regulatory framework.

## Technical Evaluation

- Reviewed all known best management practices
- Evaluated efficacy of all
- Some included in current and impending regulations
- More dialogue required to best understand impact and risk of some BMPs
- Need for further testing of technical options



# 2012 Ballast Water Olympics

- The Draft VGP was released
- The USCG Final Ruling issued
- MEPC 63 convened
- US States 401 Certification process commenced
- Canadian House Committee studies AIS for the first time
- Ontario released the Draft Great Lakes Protection Act
- DFO continued risk assessments

**Majority of Canadian fleet not recognised in regulations**



# Theoretical to Practical

- Strive for technical solution that reflected ship owner's best understanding of the available science and technology.
- Opportunities of advanced filtration
  - Systems available
  - Ability to fit into existing vessel with known constraints
  - Need to further technical and scientific development



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