The Canadian Aquatic Invasive Species Network II.\*Ladd E. Johnson, Université Laval, Département de biologie (ladd.johnson@bio.ulaval.ca; oral presentation)

The NSERC Canadian Aquatic Invasive Species Network II (CAISN) is comprised of university and government-based scientists with expertise in various aspects of aquatic invasive species (AIS), working in collaboration with industries and NGOs. The Network is in its second term of funding, following highly successful achievements of CAISN I (2006-2011) in the study of the vectors of invasion and in improving our understanding and management of AIS. Training of a highly talented pool of graduate students and postdoctoral fellows with specialization in AIS is a key outcome of the network, providing them access to world-renowned lake and marine ecologists, modellers, mathematicians and statisticians. CAISN II is exploring new AIS issues in several research themes: **Early Detection:** Using state-of-the-art techniques, CAISN II is improving our abilities to detect AIS. **Rapid Response:** Following early detection, CAISN II researchers are exploring current rapid response capabilities and developing new programs, policy and decision support programs. **AIS as Part of Multiple Stressors:** Other stressors affect aquatic ecosystems, but their interactions with AIS are not known. CAISN II is exploring key stressors, such as climate change, and their interactions in lake, river and coastal marine ecosystems. **Reducing Uncertainty and Prediction in Management:** In an effort to prioritize management strategies, CAISN II is developing predictive models that will more accurately determine which AIS are likely to become established and disruptive across Canada. A scientific steering committee and board of directors oversees the Network’s research and administration, ensuring CAISN’s partners and stakeholders are well represented.