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GenomeCanada

Biomonitoring 2.0: A High-Throughput Genomics Approach for Comprehensive Biological Assessment of Environmental Change

Integrated GE³LS Project

Integration and Dissemination in Canadian National Biodiversity Monitoring and Beyond

Genome Centre

Ontario Genomics Institute

Project Leaders

Mehrdad Hajibabaei

GE³LS Project Leaders

Donald Baird, Environment Canada and University of New Brunswick

Sarah Rosolen, South Slave Research Centre, Aurora Research Institute

Project Description

The aim of the GE³LS Activity is to address the environmental and social challenges and opportunities that arise from a shift to genome-based biomonitoring. The GE³LS research team will conduct surveys, workshops and a research project focusing on uptake and dissemination by all stakeholders.

Training and active engagement with local stakeholders is a key element of the project, and will leave a lasting legacy for the northern communities. Through education, the GE³LS team aims to reinforce the right of northern communities to have access to the best available, practical technologies for their environmental protection needs. In addition, the researchers will support and strengthen the conservation of Canada's natural heritage through more effective environmental management of its National Parks.