

## **Research Program 2018-19**

In Fall 2018 in collaboration with the **COALITION**, the École de technologie supérieure affiliated with the Université du Québec will begin to undertake two research projects to develop and assemble two devices, one to assess the environmental impacts of various categories of motor boats and the second device, The Observer, to determine the cumulative impacts of motor boat activities.

In Spring 2019, the on-water activities will begin with the validation of the functionalities of the Observer.

The summer 2019 activities will consist of two components. One will be the on-water evaluations of the environmental signatures of various classes of motor boats with the first device in the Quebec Laurentians. The other component will entail on-water measurements with the Observer on the Shuswap River, an ecologically fragile salmon river in BC. The Observer will be placed in two distinct areas of the Shuswap River, one in a salmon migrating zone, with deep basins and subject to wake and ski boat activities and the other in a shallow spawning area, where the slightest wake kills the fry and destroys salmon nests and there is substantial jet boat traffic.

The methodologies for these two research components were developed by Paul Isabelle, the **COALITION** Director of Research.