

H13: Advances in Hydroecology in Canada

Convenors: Daniel Peters¹, Wendy Monk²

¹ Environment Canada, Climate Impacts Research Centre, P.O. Box 3060 STN CSC, University of Victoria, Victoria, BC V8W 3R4, Daniel.Peters@ec.gc.ca

² Canadian Rivers Institute, University of New Brunswick, Fredericton, New Brunswick E3B 5A3 wmonk@unb.ca

Session Description:

The objective of the Hydroecology Committee is to promote and advance the understanding of the linkages between hydrology and ecology in wetland, lake, and river systems across Canada. The goal of this session organized by the Chairs of the Hydroecology Committee is to convene scientists who are investigating the role of hydrology in influencing ecological processes and integrity in ecosystems across Canada. Topics of interest include, but not limited to: anthropogenic effects (e.g. climate change, flow regulation and resource development) on runoff generation and storage, such as on low flow and flood events, with implications for riverine and riparian/delta floodplain environments; development of hydroecological models and remote sensing monitoring approaches; environmental flows; hydrological connectivity and ecological integrity; hydroecological indicators.