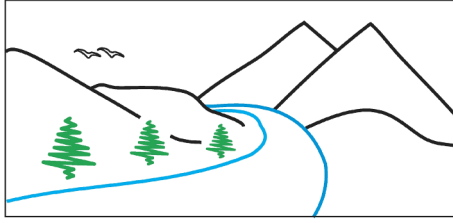


NRESi



"Our environment is our future"

For **Collaborate** information and to link to the webcast: http://www.unbc.ca/nres/nresi_webcast.html

RESEARCH COLLOQUIUM SERIES

Dr. Gwenn Flowers

**Associate Professor and Canada Research
Chair in Glaciology, Department of Earth
Sciences, Simon Fraser University**



Friday

Nov. 14, 2014

3:30 - 4:25

Weldwood Theater

7-238

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FIELD STUDIES OF GLACIER MASS BALANCE AND DYNAMICS IN THE ST. ELIAS MOUNTAINS, YUKON, CANADA

Glaciers in the St. Elias Mountains are currently losing mass at one of the highest rates worldwide, making significant contributions to rising sea level. Locally, mountain glaciers are also important players in the regional hydrological cycle. In this talk, we will examine the internal and external drivers of observed glacier change, from climate-driven surface mass balance to changes in glacier dynamics. Disentangling these effects is important in improving projections of glacier change in regions of the world characterized by an abundance of surge-type and tidewater glaciers. This talk will draw upon field-based research that has been conducted over the last decade on mountain glaciers in southwest Yukon, aimed at better understanding the regional variability of glacier response to climate.