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PCIC presentation at CCCma Lunchtime Seminar series

Title: Historical Trends in Temperature and Precipitation in BC

Presenter: Trevor Murdock and Katrina Bennett

Location: University of Victoria, ISC 370 <http://www.uvic.ca/buildings/isc.html>

Date: 18 October 2007 **Time:** 12:00-1:00

Abstract:

Historical trends in temperature and precipitation have been re-examined by PCIC for BC and surrounding areas in two different ways. First, for increased relevance to biodiversity, we consider trends that are normalized by local natural variability and compare these trends over the most recent 100, 50, and 30 year periods. Second, we update trends previously computed at 200km resolution by Zhang et al. using the native 50 km resolution of the data set. Trends of increased annual temperature and varying annual precipitation will be shown. Seasonal and monthly trends show differing trends throughout the year. Analysis by length of record shows larger trends in the recent period. Normalization by variability highlights areas of BC where small absolute changes may have larger than expected influences on biodiversity. These trends provide context on a regional basis for societal impacts of climate change.