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## **Joint PCIC/CCCma Topics on Atmospheres and Oceans Seminar**

**Title:** Climate change simulations and impacts

**Presenter:** Phil Duffy, Director, Institute for Research on Climate Change and its Societal Impacts, University of California, Livermore, California

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

**Date:** 20 September 2007 **Time:** 10:30-11:30

**Abstract:**

1. Development of climate models that are better suited for societal impacts assessments than traditional models, including:
  - o effects of increasing spatial resolution in global climate models;
  - o some effects of replacing selected cloud parameterizations with an embedded cloud system resolving model.
  
2. Application of those and other models to selected societal impacts problems, including:
  - o climate change impacts on river flows in California, with implications for water availability and flood risk;
  - o impacts on Pinyon Pine in the American Southwest
  - o impacts on yields of perennial crops in California.

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**Meetings:** To schedule a meeting with Phil Duffy during his visit (September 18-20), please contact Dave Rodenhuis at [dhuis@uvic.ca](mailto:dhuis@uvic.ca)