



Glacial Geodynamics: Climate induced Earthquakes, Large scale Ground Water Storage & Mantle Heterogeneity

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Date: 20 October 2014 (Monday)

Time: 3:45 pm

Venue: Rm. 330, Science Centre North Block

Registration: [Click Here](#)

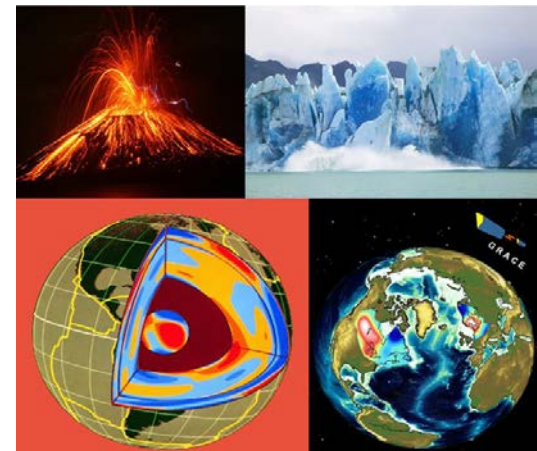


Abstract

Although the last Ice Age ended more than six thousand years ago, the adjustment of the Earth to the changing, ice and water loads on its surface are still being felt rather strongly today. This adjustment process is called Glacial Isostatic Adjustment or GIA in short.

After a brief overview of the GIA process, we will address three questions in this talk:

- 1) Can climate change induce Earthquakes & Volcanism? If so, where? when? and How?
- 2) How GIA can be used to monitor recent changes in large scale groundwater storage in Western Canada?
- 3) How the study of GIA can be used to Interpret seismic tomography and address the the role of thermal effects on the origin of seismic anomalies?



~ All are Welcome! ~