

**The Fate of Hg in Boreal Landscapes**  
**Friday 19/10, 09:00 – 16:00 at SLU Main Lecture Building Room/Sal C**

To register send an email to [jean\\_marc.mayotte@geo.uu.se](mailto:jean_marc.mayotte@geo.uu.se).

(Thursday Oct. 18 13:00 Karin Eklöf defends her PhD. on Mercury and Forestry!)

- 8:30-9:00 Coffee
- 9:00-9:30 Doug Burns: *Is Mercury Transport in River Networks Controlled by Aquatic or Terrestrial Biogeochemical Processes?*
- 9:30-10:00 Jamie Shanley: *Using sensor data as proxies to identifying which C fractions are transporting the Hg*
- 10:00-10:15 Pause
- 10:15-10:35 Heleen de Wit: *Forestry effects on Hg in the Langtjern catchments*
- 10:35-10:50 Martyn Futter: *An introduction to INCA-Hg, a new Hg runoff model*
- 10:50-11:05 Amanda Poste: *Modeling catchment Hg runoff by INCA-Hg*
- 11:05-11:20 Jakob Schelker: *Landscape controls of THg and DOC mobilization*
- 11:30-13:00 Lunch and seminar by Brian Branfireun: *Mercury in Canadian Far Northern Rivers: Exploring the connections between water, land, and traditional foods.*  
Please send an email to [jean\\_marc.mayotte@geo.uu.se](mailto:jean_marc.mayotte@geo.uu.se) to register.  
NB Change of venue to SLU's "Loft" for the lunch seminar.
- 13:00-13:20 Erik Björn: *Methyl mercury formation and bioaccumulation in estuarine ecosystems with different pelagic food web structure and productivity*
- 13:20-13:40 Ulf Skyllberg: *The importance of reduced organic sulfur groups in natural organic matter for the reduction of Hg(II) and degradation of MeHg*
- 13:40-13:55 Rose-Marie Kronberg: *Net degradation of MeHg in Alnus swamps*
- 13:55-14:15 Coffee
- 14:15-14:30 Matti Verta: *Flow and Hg runoff analysis in Finland including estimates of anthropogenic hg emissions to air, water and land.*
- 14:30-14:45 Heidi Pyhtilä: *Development of methods for the determination of total and methyl mercury concentrations in humic-rich natural water samples*
- 14:45-15:00 Liisa Ukonmaanaho: *Four years after clear-cutting - are Hg and MeHg concentrations still increasing in runoff water?*
- 15:00-15:15 Pause
- 15:15-15:30 Andrea Garcia: *Mercury methylation and biomagnification in a reservoir contaminated by a chlor-alkali plant.*
- 15:30-15:45 Stefan Osterwalder: *Hg evasion from boreal mires*
- 15:45-16:00 Staffan Åkerblom: *The origin of methylmercury: Sulfur and temperature as drivers of MeHg evolution*

This workshop is supported by the SNS Forest Mercury Network, The Uppsala Water Center, and the lunch seminar is sponsored by the SLU Research School Focus on Soils and Water

