Final Course Details
Comparative Forest Histories of the Global North

Professor Nancy Langston nelangst@gmail.com
April 15-19, 2013
Umeå University
Course Website: http://globalforesthistories.weebly.com/

Final paper or website due: 10 May 2013. You may choose to do either a research paper of 8 to 10 pages (1800 to 2500 words), or a high-quality website or blog presenting your ideas and research.

I strongly encourage the website/blog, for reasons we'll discuss in class. On Monday and Tuesday afternoons, I will conduct informal afternoon workshops on website design using weebly, for those who want instruction. (See www.sustaininglakesuperior.com; the course website; www.nancylangston.net ; http://www.toxicbodies.org/ for examples of weebly websites that I've set up for research and teaching. Weebly is a free, simple, and effective web design and hosting platform. Wordpress and tumblr are also good, free options. Adam Mandelman's research blog, http://www.adammandelman.net/porous-places/ is an excellent example of how a PhD student can use wordpress to formulate ideas and solicit useful feedback).

Email me the paper or the website url by 10 May, 5 pm
If you do a traditional paper, I will post your paper on the course website.

Excursion details: Friday 19 April. Meet at 07.45 am in front of Lindellhallen; **the bus will leave at 08.00 sharp**. We will return from Lyksele at 15.30, arriving back at Lindellhallen at about 17.00. Bring your lunch, water, thermos of hot drink, snacks. Dress for walking in the woods, in wet snow and mud.

Readings https://www.dropbox.com/sh/0ox53gxfu7vdtv7/N8g7tJh2WD

Course Dinner Monday 15 April 18.00 Costas Kungsgatan 48 downtown

Daily Schedule
08:30-09.30 Lecture 1
09.30-10.00 Fika
10.00-11.30 Lecture 2 and discussion
11.30-12.30 Lunch
12.30-14.00 Lecture 3 and discussion
14.00-14.30 Fika
14.30-16.30 Website design workshops on Monday and Tuesday in C207 (bring your own laptop), Wed and Thurs informal meetings with Nancy (H104 or C207)

Participants

Students	last name	email	discussion date
Ingrid	Michelson	ingrid.michelson@plantphys.umu.se	11 April Mon pm
Olivia	Ekman	olivia.ekman@idehist.umu.se	12 April Tues am
Janina	Priebe	janina.priebe@idehist.umu.se	12 April Tues am
Ulrika	Widman	ulrika.widman@pol.umu.se	12 April Tues pm
Zhiqiang	Chen	Zhiqiang.Chen@slu.se	13 April Wed am
Ruaridh	Hägglund	Ruaridh.Hagglund@slu.se	13 April Wed am
Harri	Hölttä	holttah@gmail.com	14 April Thu am
Seija	Niemi	seasni@utu.fi	14 April Thu am
Etsuko	Nonaka	etsuko.nonaka@gmail.com	14 April Thu pm
Fredrick	Backman	fredrick.backman@umu.se	14 April Thur pm
Tore	Andersson	tore.andersson@ltu.se	15 April Friday
Zsofia	Stangl	zsofia.stangl@plantphys.umu.se	15 April Friday

Lecturers	last name	email	Lecture Date
Nancy	Langston	nelangst@gmail.com	All week
Erland	Mårald	erland.marald@idehist.umu.se	15 April Friday
Ulf	Segerström	Ulf.Segerstrom@slu.se	13 April Wed pm
Lars	Östlund	Lars.Ostlund@slu.se	14 April Thu am
Dolly	Jörgensen	dolores.jorgensen@emg.umu.se	12 April Tues pm
Erik	Törnlund	Erik.Tornlund@ddb.umu.se	14 April Thu am
Phil	Buckland	phil.buckland@arke.umu.se	11 April Mon AM

Schedule
Monday 15 APRIL

Morning: How do we know the past? Approaches, Methods, and Questions

8.30–9.30 Introductions, course goals
9.30–10 Fika
10.00–11.30 Visit to environmental archeology laboratory with Phil Buckland.
11.30–12.30 lunch on your own

Afternoon: Sami and Indigenous North American histories

12.30–14.00 Lecture, Nancy, Indigenous histories.
Questions for discussion: Ingrid.
14.30–16.30 optional website design workshop and discussion

Tuesday 16 April

Morning: North American forestry

08.30 Nancy: overview lecture on North American forest change
10.00 Nancy: Great Lakes deforestation
Questions for discussion: Olivia and Janina

Tues Afternoon: Restoration Dilemmas

12.30-14.00: Guest lecture: Dolly Jørgensen
Questions for discussion: Ulrika Widman
14.30-16.30 optional website design workshop and discussion

Wednesday 17 April

Morning: pre-industrial Europe

08.30 Nancy: Patterns and Processes in European forest history
10.00 Nancy: Swedish forestry before 1900
Questions for discussion: Chen and Ruaridh

Afternoon: Forests, Mining, Toxics

12.30-14.00: Guest lecture: Ulf Segerström

Thursday 18 April

Morning: Swedish Forests since the 19th C

08.30 Guest lecture: timber floating: Erik Törnlund (PhD Economic History)
10.00: Guest lecture: Swedish forest history: Prof. Lars Östlund, SLU
Questions for discussion: Harri and Seija

Afternoon: boreal forests, industrialization, & climate change

12.30-14.00 Nancy: lecture on boreal forests and climate change
Questions for discussion: Etsuko and Fredrick

Friday 19 April: Excursion Day

Past and Future Forests
08.00 to 17.00
Guest lecture: Erland
Questions for discussion: Tore and Zsofia

READINGS
Monday 15 APRIL
morning

- *Lindbladh, M., Bradshaw, R., & Holmqvist, B. H. (2000). Pattern and process in south swedish forests during the last 3000 years, sensed at stand and regional scales. *Journal of Ecology*, *88*(1), 113-128.
- *Axelsson, A. L., Östlund, L., & Hellberg, E. (2002). Changes in mixed deciduous forests of boreal sweden 1866–1999 based on interpretation of historical records. *Landscape Ecology*, *17*(5), 403-418.
- *Moller, P., Östlund O., Barnekow, L., Sandgren, P., Palmbo, F., & Willerslev, E. (2012). Living at the margin of the retreating fennoscandian ice sheet: The early mesolithic sites at aareavaara, northernmost sweden. *The Holocene.*
- *Pregitzer, K. S., et al (2000). A buried spruce forest provides evidence at the stand and landscape scale for the effects of environment on vegetation at the pleistocene/holocene boundary. *Journal of Ecology*, *88*(1), 45-53.
- *Schulte, L. A., & Mladenoff, D. J. (2005). Severe wind and fire regimes in northern forests: Historical variability at the regional scale. *Ecology*, *86*(2), 431-445.
- White, M. A., & Mladenoff, D. J. (1994). Old-growth forest landscape transitions from pre-european settlement to present. *Landscape Ecology*, *9*(3), 191-205.
- Ulf Segerström, Ulf. 1997. Long-term dynamics of vegetation and disturbance of a southern boreal spruce swamp forest. Journal of Vegetation Science 8: 295-306.
- Bigler, C., Barnekow, L., Heinrichs, M. L., & Hall, R. I. (2006). Holocene environmental history of lake vuolep njakajaure reconstructed using biological proxy indicators. *Vegetation History and Archaeobotany*, *15*(4), 309-320.
- Boucher, Y., Arseneault, D., & Sirois, L. (2009). Logging history (1820–2000) of a heavily exploited southern boreal forest landscape: Insights from sunken logs and forestry maps. *Forest Ecology and Management*, *258*(7), 1359-1368.

afternoon

- *Johnson, E. A., & Miyanishi, K. (2012). The boreal forest as a cultural landscape. *Annals of the New York Academy of Sciences*,*1249*(1), 151-165.
- *Josefsson, T., Bergman, I., & Östlund, L. (2010). Quantifying sami settlement and movement patterns in northern sweden 1700–1900. *Arctic*, *63*(2), 141-154.
- Östlund, L., Ericsson, T. S., Zackrisson, O., & Andersson, R. (2003). Traces of past sami forest use. *Scandinavian Journal of Forest Research*, *18*(1), 78-89.

- Roturier, S., & Roué, M. (2009). Of forest, snow and lichen: Sámi reindeer herders' knowledge of winter pastures in northern sweden.*Forest Ecology and Management*, *258*(9), 1960-1967.
- *Piper, L., & Sandlos, J. (2007). A broken frontier: ecological imperialism in the canadian north. *Environmental History*, *12*(4),
- *Sandlos, J., & Keeling, A. (2012). Claiming the new north: Development and colonialism at the pine point mine, northwest territories, canada. *Environment and History*, *18*(1), 5-34.
- *Langston, N. (2013). Mining the boreal north. *American Scientist*, *101*

Tuesday 16 April: North America

morning

- *Williams, M. (1992). *Americans and their forests: A historical geography.* Cambridge University Press.
- *Gough, R. J. (1997). *Farming the cutover: A social history of northern wisconsin, 1900-1940.* University Press of Kansas. Link to Selections.
- *Michelle M. Steen-Adams, Langston, N., & David J. Mladenoff. (2010). Logging the great lakes indian reservations: The case of the Bad River Band of Ojibwe. *American Indian Culture and Research*
- Steen-Adams, M., Langston, N., & Mladenoff, D. (2007). White pine in the northern forests: An ecological and management history of white pine on the Bad River reservation of Wisconsin. *Environmental History*, *12*(3), 614-648.
- *Cadigan, Sean. 2006. Recognizing the commons in coastal forests: The three-mile limit in newfoundland, 1875-1939. *Newfoundland and Labrador Studies*, *21.*
- *Pyne, S. (2007). Burning border.*Environmental History*, *12*:959-65.

afternoon

- *Langston, N. (1999). Environmental history and restoration in the western forests. *Journal of the West*, *38*, 45-56.
- *Jørgensen D. Pigs and Pollards: Medieval Insights for UK Wood Pasture Restoration. *Sustainability*. 2013; 5(2):387-399.

Wednesday 17 April

morning

- *Eliasson, P., & Nilsson, S. G. (2002). 'You should hate young oaks and young noblemen': The environmental history of oaks in eighteenth-and nineteenth-century sweden. *Environmental History*, *7*(4), 659-677.
- *Ericsson, S., Östlund, L., & Axelsson, A. L. (2000). A forest of grazing and logging: Deforestation and reforestation history of a boreal landscape in central sweden. *New Forests*, *19*(3), 227-240.

- Ostlund, L., Zackrisson, O., & Strotz, H. (1998). Potash production in northern sweden: History and ecological effects of a pre-industrial forest exploitation. *Environment and History*, *4*(3), 345-358

afternoon

- *Richard Bindler, Ulf Segerström, Ing-Marie Pettersson-Jensen, Anna Berg, Sophia Hansson, Harald Holmström, Karin Olsson, Ingemar Renberg. 2011. Early medieval origins of iron mining and settlement in central Sweden: multiproxy analysis of sediment and peat records from the Norberg mining district. *Journal of Archaeological Science,* 38, 2: 291–300.
- *Porvari, P., Verta, M., Munthe, J., & Haapanen, M. (2003). Forestry practices increase mercury and methyl mercury output from boreal forest catchments. *Environmental Science & Technology*, *37*(11), 2389-2393. http://pubs.acs.org/doi/abs/10.1021/es0340174
- *Parrott, J. L., McMaster, M. E., & Hewitt, L. M. (2006). A decade of research on the environmental impacts of pulp and paper mill effluents in canada. *J Toxicol Environ Health B Crit Rev*, *9*(319-339.
- Bishop, K., Allan, C., Bringmark, L., Garcia, E., Hellsten, S., Högbom, L., . . Akerblom, S. (2009). The effects of forestry on hg bioaccumulation in nemoral/boreal waters and recommendations for good silvicultural practice. *Ambio*, *38*(7), 373-80.
- Vecsey, C. (1987). Grassy narrows reserve: Mercury pollution, social disruption, and natural resources: A question of autonomy. *American Indian Quarterly*, 287-314.

Thursday 18 April

morning

- *LG Liedgren, L Östlund - Journal of Archaeological Science, 2011, Heat, smoke and fuel consumption in a high mountain stállo hut, northern Sweden–Experimental burning of fresh birch wood during winter
- *Joseffson, T., & Östlund, L. (2011). Increased production and depletion: The impact of forestry on northern sweden's forest landscape. In Agriculture and forestry in Sweden since 1900 – geographical and historical studies.
- *Östlund, L. (1995). Logging the virgin forest: Northern sweden in the early-nineteenth century. *Forest & Conservation History*, *39*(4), 160-171. http://www.jstor.org/stable/10.2307/3983957
- Östlund, L., Zackrisson, O., & Axelsson, A. L. (1997). The history and transformation of a scandinavian boreal forest landscape since the 19th century. *Canadian Journal of Forest Research*, *27*(8), 1198-1206.

afternoon

- *Tornlund, E., & Östlund L. (2002). Floating timber in northern sweden: The construction of floatways and transformation of rivers. *Environment and History*, *8*(1), 85-106.
- *Tornlund, E., & Östlund, L. (2006). Mobility without wheels: The economy and ecology of timber floating in sweden, 1850-1980. *The Journal of Transport History*, *27*(1), 48-70.
- Liermann, C. R., Nilsson, C., Robertson, J., & Ng, R. Y. (2012). Implications of dam obstruction for global freshwater fish diversity. *BioScience*, *62*(6), 539-548.
- Hänninen, N. (n.d.). Hydropower build-up and the timber floating in northern finland after the second world war.

Friday 19 April

- *Langston, N. (2009). Paradise lost: Climate change, boreal forests, and environmental history. *Environmental History*, *14*, 641-650. http://envhis.oxfordjournals.org/content/14/4/641.short
- *Sténs, A., & Sandström, C. (2012). Divergent interests and ideas around property rights: The case of berry harvesting in sweden. *Forest Policy and Economics.*
- *Gillian McEachern and Tim Gray. (n.d.). Lessons for Canadians from Swedish forests.
- *Pelley, J. (2004). Traditional foes collaborate to save boreal. *Environmental Science & Technology*, *38*(5), 82A-83A
- *Kuuluvainen, T., Tahvonen, O., & Aakala, T. (2012). Even-Aged and uneven-aged forest management in boreal fennoscandia: A review. *Ambio.* doi:10.1007/s13280-012-0289-y
- Prowse, T. D., Furgal, C., Wrona, F. J., & Reist, J. D. (2009). Implications of climate change for northern canada: Freshwater, marine, and terrestrial ecosystems. *Ambio*, *38*(5), 282-9.
- Steffen, W., Persson, Deutsch, L., Zalasiewicz, J., Williams, M., Richardson, K., Gordon, L. (2011). The anthropocene: From global change to planetary stewardship. *AMBIO:* 1-23.
- Vors, L. S., Schaefer, J. A., Pond, B. A., Rodgers, A. R., & Patterson, B. R. (2007). Woodland caribou extirpation and anthropogenic landscape disturbance in Ontario. *The Journal of Wildlife Management*, *71*(4), 1249-1256.