



Watershed Ecology & Biogeochemistry –

PhD course, Vindeln Sept 17-23

Thursday, Sept 17. Fundamentals of watershed science

10.00	Departure from Umeå (1. SLU, 2. train station) to Vindeln
11.30-12.30	Lunch
12.30-13.00	Hjalmar Laudon (SLU) - Welcome and introduction to course
13.00-14.00	Ryan Sponseller (UmU) - History of the watershed approach in ecology
14.00-15.00	Kevin Bishop (SLU) - History of hydrological and biogeochemical research
15.00-16.00	Hjalmar Laudon (SLU) - Landscape water balance
16.00-18.30	Paper discussion groups
18.30	Dinner
20.00-22.00	Time to get to know each other

Friday, Sept 18 Riparian biogeochemistry and ecology

~7.00-8.30	Breakfast
08.30-09.30	Hjalmar Laudon (SLU) – An introduction to Krycklan
09.30-13.00	Field Excursion to Krycklan
13.00-14.00	Lunch
14.00-15.00	Kevin Bishop (SLU) – Riparian Hydrology/Biogeochemistry
15.00-16.00	Lenka Kuglerova (SLU) – Riparian ecology & aquatic terrestrial linkages
16.00-18.30	Paper discussion groups
18.30	Dinner
20.00-22.00	Poster session (First third of the group)

Saturday, Sept 19 Wetlands

~7.00-8.30	Breakfast
08.30-09.30	Järvi Järveoja (SLU) - Wetland in Sweden and globally
09.30-13.00	Field Excursion to Degerö stormyr
13.00-14.00	Lunch
14.00-15.00	Matthias Peichl (SLU) - Biotic and abiotic controls on mire water & energy budgets
15.00-16.00	Martin Skerlep (SLU) – Mires and water quality in a landscape perspective
16.00-18.30	Paper discussion groups
18.30	Dinner
20.00-22.00	Poster session (last third of the group)



Sunday, Sept 20 Forestry in the boreal region and water quality

~7.00-8.30	<i>Breakfast</i>
08.30-09.30	Johannes Larson/Gustaf Egnell (SLU) - Forestry in Sweden and the world
09.30-13.00	Field Excursion to Trollberget
13.00-14.00	<i>Lunch</i>
14.00-15.00	Johannes Larson (SLU) –
15.00-16.00	Eliza Hasselquist (SLU) – Ditches and stream channelization: managing historic forestry effects on waterways
16.00-18.30	Paper discussion groups
18.30	<i>Dinner</i>
20.00-22.00	Poster session (Second third of the group)

Sunday, Sept 21 Aquatic processes

~7.00-8.30	<i>Breakfast</i>
08.30-09.30	Ryan Sponseller (UmU) – Aquatic ecosystems as integrators of boreal C cycling
09.30-13.00	Field Excursion to Stortjärn
13.00-14.00	<i>Lunch</i>
14.00-15.00	Maria Myrstener (SLU) – Consequences of environmental change on aquatic systems
15.00-16.00	Gerard Rocher Ros (UmU) – Aquatic process beyond Krycklan
16.00-18.30	Paper discussion groups
18.30 - 21.00	<i>Dinner and field trip to Isälvsleden</i>

Tuesday, Sept 22 Spatial and temporal scaling and modelling

~7.00-8.30	<i>Breakfast</i>
08.30-09.30	Ishi Buffam (SLU) – Scaling environmental processes
09.30-12.00	Field excursion to downstream Krycklan
12.00-13.00	<i>Lunch</i>
13.00-14.30	Chris Soulsby (Aberdeen Univ). <i>Fundamentals of hydrological modeling</i>
14.30-16.00	Anneli Ågren/William Lidberg (SLU) – GIS and Machine Learning
16.00-18.30	Final full group discussion
18.30	<i>Dinner</i>
20.00-22.00	Free time

Wednesday, Sept 23 The Krycklan symposium

~7.00-8.30	<i>Breakfast</i>
~8.30	<i>Departure for Umeå and the Krycklan symposium</i>
10.00-18.30	<i>Krycklan symposium</i>