

ESRM 429 2018: Understanding change across high latitudes – Arctic Science at the University of Washington.

Tuesdays: 8:30-9:20; Anderson 223

High latitude ecosystems, from forests, to the coast, are being studied in detail to understand the impacts of a changing climate. As average temperatures continue to warm there will be dramatic shifts in the way ecosystems respond. New research is aimed at investigating the potential impacts these changes will have on the cycling of carbon and greenhouse gasses, the behavior of wildlife, the spawning and viability of native fisheries and the resilience of coastal communities. This seminar series is designed to highlight cutting edge research going on at The University of Washington that is uncovering not only the effects of a changing climate, but potential solutions and adaptations that are needed to persist in a future world.



Schedule of Speakers:

Date	Speaker	Title
January 9th:	David Butman (SEFS)	Are aquatic ecosystems carbon sources or sinks in high latitude ecosystems?
January 16th:	Aaron Wirsing (SEFS)	Alaskan brown bears display fidelity to foraging neighborhoods while prey on Pacific salmon along small streams
January 23rd:	Rebecca Neumann (CEE)	Rain increases methane production and methane oxidation in a boreal thermokarst bog
January 30th:	Jim Thomson (APL)	Winds, Waves, and Ice in the New Arctic
February 6th:	Daniel Schindler (SAFS)	
February 13th:	Laura Prugh (SEFS)	
February 20th:	Peter Mahoney (SEFS)	Elucidating the role of climate in wolf denning phenology and broad-scale movement behavior
February 27th:	Hans Andersen (USFS PNW Research Station)	Taking Stock of Forests in the Last Frontier – Implementing a Forest Inventory and Monitoring program in interior Alaska
March 6th:	John Marzluff & Avery Meeker (SEFS)	Avian responses to people and climate in Denali National Park