

ECOSYSTEM CARBON STOCKS AND LATERAL CARBON FLUXES IN A COASTAL TEMPERATE RAINFOREST



WHO:

Gavin McNicol is a postdoctoral researcher at the Alaska Coastal Rainforest Center and University of Alaska Southeast

WHAT:

Presentation

WHEN:

Thursday, July 19
12- 1 p.m.

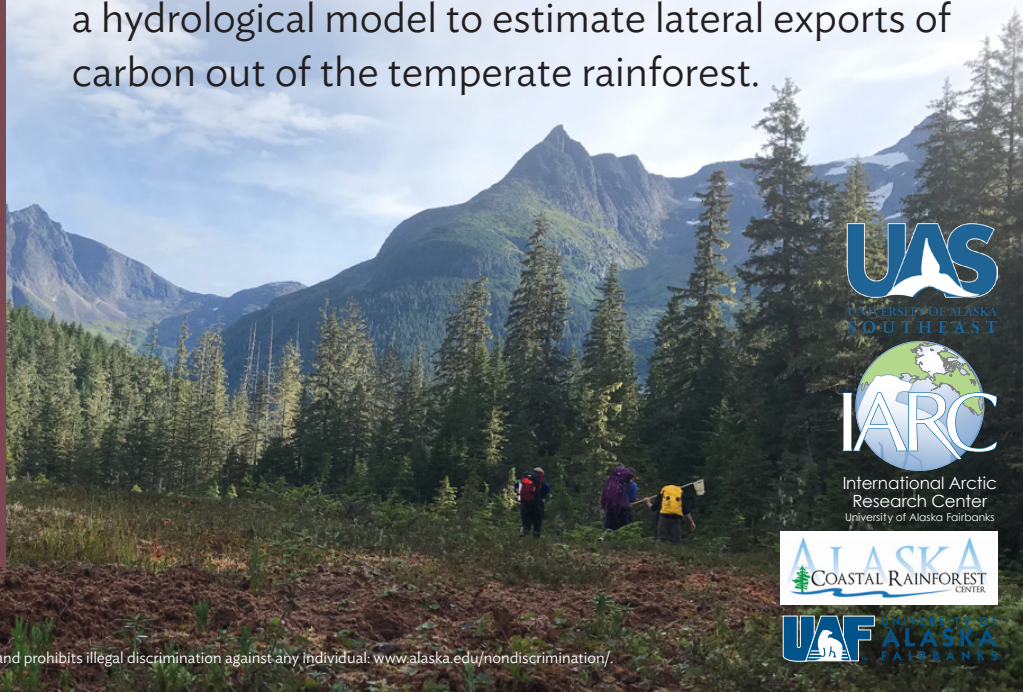
WHERE:

Akasofu 401

Overview of recent work by the Coastal Rainforest Margins Research Network to quantify the flux of nutrient-rich materials from coastal watersheds to nearshore marine ecosystems.

This talk focuses on our modeling of soil organic carbon stocks across SE Alaska and British Columbia, using newly compiled soil survey data in conjunction with machine learning approaches. In this work we explored environmental controls on soil carbon stocks in the temperate rainforest, calculated new estimates of total carbon storage, and, in the process, gained insight into pitfalls and opportunities in digital soil mapping of carbon.

Our future research goals include comparing the spatial distribution of biomass and soil carbon stocks across SE Alaska, and coupling these data to a hydrological model to estimate lateral exports of carbon out of the temperate rainforest.



International Arctic Research Center
University of Alaska Fairbanks

