



Evaluating the biogeochemical response to sea-level rise induced transitions within coastal wetlands

Abstract:

As sea level rise (SLR) affects coastal wetlands, ecosystem responses can include vertical accretion, landward transgression, or submergence. Sea level rise-induced transitions can alter key biogeochemical transformations within wetland soils, impacting the ability of these systems to provide ecosystem services, specifically carbon (C) storage and water quality regulation.

Through a combination of mechanistic and field-based studies, Dr. Steinmuller assessed how landward transgression within two coastal vegetation regimes co-occurring with sea level rise, and wetland submergence, individually alter biogeochemical transformations. Results from these studies holistically address how biogeochemical functioning, specifically nutrient cycling, regulation of water quality, and C sequestration, within coastal wetlands responds to stressors associated with SLR



Featuring

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3:00 p.m. Friday, October 16th, 2020

Remote Session via zoom
<https://fiu.zoom.us/j/95135104846>

This event is free and open to the public

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