

TES Supported University Posters and Talks AGU 2018

Abstract

B22D-03 Effects of permafrost thaw and changes in soil moisture on CH and CO fluxes in Alaskan upland tundra

Meghan Taylor

Tuesday, 11 December 2018

10:50 - 11:05

Walter E Washington Convention Center - 143A-C

Abstract

B31E-2492 Inter-annual Variation in Radiocarbon Age of Ecosystem Respiration Exceeds Permafrost Warming Effects

Elaine Pegoraro

Wednesday, 12 December 2018

08:00 - 12:20

Walter E Washington Convention Center - Hall A-C (Poster Hall)

Abstract

B31E-2493 Numerical Modeling of Historical and Projected Permafrost Soil Temperatures with Carbon Flux Implications

Anthony Garnello

Wednesday, 12 December 2018

08:00 - 12:20

Walter E Washington Convention Center - Hall A-C (Poster Hall)

Abstract

B31E-2494 Using the Relationship Between Active Layer Thickness and Subsidence to Constrain Permafrost Thaw

Heidi Rodenhizer

Wednesday, 12 December 2018

08:00 - 12:20

Walter E Washington Convention Center - Hall A-C (Poster Hall)

Abstract

B31E-2496 Old soil carbon decomposition is underestimated when plant productivity and surface soil decomposition are high

Marguerite Mauritz

Wednesday, 12 December 2018

08:00 - 12:20

Walter E Washington Convention Center - Hall A-C (Poster Hall)

Abstract

B43C-08 Arctic and Boreal Carbon: Key Findings from the State of the Carbon Cycle Report

Edward Schuur

Thursday, 13 December 2018

14:16 - 14:23

Walter E Washington Convention Center - 150A

Workshop**WS31** 8th Annual Meeting of the Permafrost Carbon Network**Sunday, 9 December 2018****08:00 - 16:00***Grand Hyatt - Independence FGHI***Abstract****B42D-07B** Microbial carbon efficiency but not soil physical protection creates a negative climate feedback over long-term warming

Xiao-Jun Allen Liu

Thursday, 13 December 2018**11:00-11:15***Walter E Washington Convention Center - 150A***Abstract****A43N-3309** Satellite Measurements of Carbonyl Sulfide Constrain Model Estimates of Tropical Carbon Uptake

James Stinecipher

Thursday, 13 December 2018**13:40 - 18:00***Walter E Washington Convention Center - Hall A-C (Poster Hall)***Abstract****B33B-05** The FACE Wood Decomposition Experiment: Understanding Processes Regulating Carbon Transfer to Soil Carbon Pools Using FACE Wood at Multiple Scales

Carl Trettin

Wednesday, 12 December 2018**14:40 - 14:55***Walter E Washington Convention Center - 150A***Abstract****B13G-2216** Modeling Coarse Woody Debris Decomposition in Forests

Z. Dai

Monday, 10 December 2018**13:40 - 18:00***Walter E Washington Convention Center - Hall A-C (Poster Hall)***Abstract****B31N-2676** Linkage between SIF and GPP in a seasonally-dormant high-elevation subalpine forest

David Bowling

Wednesday, 12 December 2018**8:00 - 12:20***Walter E Washington Convention Center - Hall A-C (Poster Hall)***Abstract****B43C-06** A Synthesis across the Major Components of the North American Carbon Budget

Dan Hayes

Thursday, 13 December 2018**13:40 - 15:40***Walter E Washington Convention Center – 150A*

Abstract

B13G-2218 Tree stems methane emissions research: a path forward

Josep Barba

Monday, 10 December 2018

13:40 - 18:00

Walter E Washington Convention Center - Hall A-C (Poster Hall)

Abstract

B13G-2214 Controls of Tree CH₄ Emissions: Hourly, Daily, and Seasonal Comparisons over Two Years

Monday, 10 December 2018

13:40 - 18:00

Walter E Washington Convention Center - Hall A-C (Poster Hall)

Abstract

B42C-02 Modeling tidal marsh carbon cycling under sea level rise and elevated CO₂

Anthony Rietl

Thursday, 13 December 2018

10:35 - 10:50

Walter E Washington Convention Center – 147B

Abstract

B43G-2937 Considering coasts: Adapting terrestrial models to characterize coastal habitats

Teri O'Meara

Thursday, 13 December 2018

13:40 - 18:00

Walter E Washington Convention Center - Hall A-C (Poster Hall)

Abstract

B52A-04 Warming and elevated CO₂ have opposing effects on coastal wetland plant growth and biogeochemical cycling

Genevieve Noyce

Friday, 14 December 2018

11:05 - 11:20

Abstract

B43-03 Coupling of soil carbon, organic phosphorus, and amorphous minerals along wet tropical forest rainfall gradient

Yang Lin

Thursday, 13 December 2018

14:15 - 14:30

Walter E Washington Convention Center – 150B

Abstract

B21F-06 Evaluating a Microbial Functional Group-based Model to Explain Greenhouse Gas Productions and Consumptions from Puerto Rican Tropical Forest Soils

Debjani Sihi

Tuesday, 11 December 2018

8:16 - 8:19

Walter E Washington Convention Center – eLightning Theater 1

Abstract

B23K-2681 Shrub expansion introduces new sets of root trait in the Arctic

Weile Chen

Tuesday, 11 December 2018

1:40 - 6:00

Walter E Washington Convention Center - Hall A-C (Poster Hall)

Abstract

B41K-2856 Biomass Partitioning to Absorptive Roots in the Context of Multiple Resource Limitation

David Eissenstat

Thursday, 13 December 2018

8:00 - 12:20

Walter E Washington Convention Center - Hall A-C (Poster Hall)

Abstract

B43M Soil warming and elevated CO₂ effects on CH₄ production pathways and homoacetogenesis in a northern Minnesota peatland

Cory Leeways

Thursday, 13 December 2018

13:40 - 18:00

Walter E Washington Convention Center - Hall A-C (Poster Hall)

Abstract

B43M Examining Anaerobic Oxidation of Methane in an Experimentally Warmed Northern Ombrotrophic Peat Bog

Laura McCullough

Thursday, 13 December 2018

13:40 - 18:00

Walter E Washington Convention Center - Hall A-C (Poster Hall)

Abstract

B43M How do Whole-Ecosystem Warming and Elevated Atmospheric Carbon Dioxide Concentration Affect Peatland Methane Production?

Anya Hopple

Thursday, 13 December 2018

13:40 - 18:00

Walter E Washington Convention Center - Hall A-C (Poster Hall)

Abstract

B52A Effects of temperature on natural organic matter reduction in a northern Minnesota peatland experiencing whole ecosystem warming

Jason Keller

Friday, 14 December 2018

11:50 - 12:05

Walter E Washington Convention Center – 150A

Abstract

B23H-2632 Interactions between Litter and Soil Chemistry Drives Carbon Substrate Preference of Microbial Communities

Nannette Christine Raczka

Tuesday, 11 December 2018

13:40 - 18:00

Walter E Washington Convention Center - Hall A-C (Poster Hall)

Abstract

B51A-04 Integrating -omics data into soil organic matter decomposition models

Edward Brzostek

Friday, 14 December 2018

8:36 - 8:48

Walter E Washington Convention Center – 149B

Abstract

B52C-02 Tropical soil fertility increases leaf turnover, not greenness

Joshua Fisher

Friday, 14 December 2018

10:35 - 10:50

Walter E Washington Convention Center – 147B

Abstract

B23G-2601 Nitrogen fertilization increases carbon use efficiency of soil microbial communities across 10 long-term N fertilization studies

Joseph Carrara

Tuesday, 11 December 2018

13:40 - 18:00

Walter E Washington Convention Center - Hall A-C (Poster Hall)

Abstract

B31D-04 The pulse-reserve paradigm and explaining dryland function: past, present, and future

Sasha Reed

Wednesday, 12 December 2018

8:45 - 9:00

Walter E Washington Convention Center – 150A

Abstract

B31D-05 Biocrust CO₂ cycle in a cool desert ecosystem: pulsed loss in the hot season, sustained uptake through the cool wet season

Colin Tucker

Wednesday, 12 December 2018

9:00 - 9:15

Walter E Washington Convention Center – 150A

Abstract

B52A-03 Effects of increased temperature on C cycling of a wet tropical forest: Initial results from a novel field warming experiment in Puerto Rico across 10 long-term N fertilization studies
Tana Wood

Friday, 14 December 2018

10:50 - 11:05

Walter E Washington Convention Center – 150A

Abstract

B51C-01 Warming effects on litter decomposition and carbon cycling in a tropical forest
Stephanie Roe

Friday, 14 December 2018

8:00 – 8:12

Walter E Washington Convention Center – 147B

Abstract

B53J-2200 Warmer temperature affects the capacity of fine-root production to recover after a hurricane event in a tropical rain forest in Puerto Rico

Daniela Yaffar

Friday, 14 December 2018

13:40 – 18:00

Walter E Washington Convention Center - Hall A-C (Poster Hall)

Abstract

B43A-06 Overcoming Nutrient Limitation: Will Phosphorus Availability Constrain Global Plant Production Under Elevated CO₂?

Cory Cleveland

Thursday, 13 December 2018

14:05 - 14:20

Walter E Washington Convention Center – 150B

Abstract

B13D-07 The effects of nutrient fertilization on belowground allocation in tropical dry forests: linking results from a model and an experiment

Xiangtao Xu

Monday, 10 December 2018

15:10 - 15:25

Walter E Washington Convention Center – 150B

Abstract

B52C-03 Variation in soil nutrients shape tropical dry forest structure, function, and recovery
Annette Trierweiler

Friday, 14 December 2018

10:50 - 11:05

Walter E Washington Convention Center – 147B

Abstract

B43A-04 Nutrient Constraints on Carbon Cycling in Seasonally Dry Tropical Forest

Jennifer Powers

Thursday, 13 December 2018

14:30 - 14:50

Walter E Washington Convention Center – 150B

Abstract

B53J-2199 Tropical dry forest's responses to drought depend upon soil nutrient availability and plant community composition

German Vargas

Friday, 14 December 2018

13:40 - 18:00

Walter E Washington Convention Center - Hall A-C (Poster Hall)

Abstract

B41G-2782 Peatland methane emission driven by interaction of soil temperature and water table

Rachel Lonchar

Thursday, 13 December 2018

8:00 - 12:20

Walter E Washington Convention Center - Hall A-C (Poster Hall)