**AGENDA**

**Hubbard Brook Quarterly Project Meeting**

**April 13, 2023: Connect Via Zoom**

<https://us02web.zoom.us/j/87008565795?pwd=bXYyUXJjb2tkUGJHQjgzZ2VZcitWdz09>

Meeting ID: 870 0856 5795

Passcode: 503670

**Changing Seasonality: What are the consequences and how do we measure change?**

10:00 – 10:15  Welcome and Introductions

(SCC Chairs: Lynn Christenson & Christy Goodale)

10:15 – 10:30  Changing Seasonality session overview

(Sara Kaiser & Mike Hallworth)

**Shorter winters:**

(Facilitator: Hallworth)

10:30 – 10:40  The lengthening vernal window and possible impacts on the growing season

(Alix Contosta)

10:40 – 10:50  Snowpack changes at Hubbard Brook: Implications for soil microclimate

(Geoff Wilson)

10:50 – 11:00  Effects of shorter winters on insects, birds and food webs

(Nick Rodenhouse)

11:00 – 11:15  Session discussion

**Earlier springs:**

(Facilitator: Hallworth)

11:15 – 11:25  Spring phenology and HydroMet trends

(Nina Lany & Amey Bailey)

11:25 – 11:35  Individual and population responses to hydrologic variation in a headwater

stream salamander (Maddy Cochrane)

11:35 – 11:45  Impact of climate variability and change on maple syrup production

(Joshua Rapp)

11:45 – 12:00  Session discussion

12:00 – 12:30  **COS Business Meeting**

(SCC Chairs: Lynn Christenson & Christy Goodale)

12:30 – 1:00    **Lunch Break (breakout groups)**

**Longer summers:**

(Facilitator: Kaiser)

1:00 – 1:10  Fagaceae in the future at Hubbard Brook: drought, and multiple interacting

stressors (Nat Cleavitt)

1:10 – 1:20  Post-fledging ecology in a changing world: benefits of an extended breeding

season? (Todd Jones)

1:20 – 1:30  Phenology: controls and consequences

(Matt Ayres)

1:30 – 1:45  Session discussion

**Later autumns:**

(Facilitator: Kaiser)

1:45 – 1:55  Autumn, the neglected season in climate change research

(Amanda Gallinat)

1:55 – 2:05  Changing seasonality and nitrogen availability in the northern hardwood forest

(Steve Caron)

2:05 – 2:15  Climate Change Across Seasons Experiment (CCASE): effects of warmer

growing seasons and smaller winter snowpack on Northern hardwood forest

phenology (Emma Conrad-Rooney)

2:15 – 2:30  Session discussion

2:30 – 3:00  **Discussion – integrating across seasons**