

## AGENDA

### Hubbard Brook Quarterly Project Meeting

April 13, 2023: Connect Via Zoom

<https://us02web.zoom.us/j/87008565795?pwd=bXYyUXJib2tkUGJHQjgzZ2VZcitWdz09>

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**