**Hubbard Brook Quarterly Project Meeting**

April 13, 2022

Soil Respiration – CO2 Fluxes from Soil

Agenda (Updated 04-06-22)

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| **Begin** | **End** |  | **Leader** |  | **Topic** |
| 10:00 | 10:10 |  | SCC Chairs |  | Welcome and introductions |
| 10:10 | 10:20 |  | Andy Reinmann  *City University of New York* |  | Introduction and motivations |
| 10:20 | 10:30 |  | Angela Possinger  *City University of New York* |  | Symptoms of a changing carbon cycle: Rising soil respiration at Hubbard Brook |
| 10:30 | 10:45 |  | Tim Fahey  *Cornell University* |  | A back-of-the-envelope update to the carbon budget |
| 10:45 | 11:00 |  | Ashley Lang  *Indiana University* |  | Could changes to belowground C allocation be responsible for rising respiration rates? |
| 11:00 | 11:15 |  |  |  | Discussion |
| 11:15 | 12:10 |  | SCC Chairs |  | Business meeting |
| 12:10 | 12:45 |  |  |  | Lunch break |
| 12:45 | 1:00 |  | Richard Marinos  *The University at Buffalo* |  | Changes in carbon bioavailability and transport under deacidification |
| 1:00 | 1:15 |  | Caitlin Hicks Pries  *Dartmouth College* |  | Soil respiration throughout the profile: Responses to warming and freeze-thaw cycles |
| 1:15 | 1:30 |  | Laura Castañeda-Gómez  *University of Toronto* |  | Effects of elevated CO2 on belowground carbon cycling |
| 1:30 | 1:45 |  | Thomas Mann  *Extension Agent at University of Kentucky* |  | Long-term soil respiration trends in the MELNHE study |
| 1:45 | 1:50 |  | Alix Contosta  *University of New Hampshire* |  | Introduction to complementary datasets |
| 1:50 | 2:15 |  | Breakout rooms |  | (1) Uncertainty and sensitivity analysis  (2) Complementary datasets  (3) New data and experiments  (4) Hubbard Brook flux tower: how could data be integrated? |
| 2:15 | 2:45 |  | Andy Reinmann  *City University of New York* |  | Discussion and wrap-up |

Join via Zoom

<https://us02web.zoom.us/j/82897880939?pwd=aEUxWksza1c2N0MzanhmRnE5UGhOZz09>

Meeting ID: 828 9788 0939 / Passcode: 615054

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