Hubbard Brook Cooperators' Meeting

April 6, 2016 at the Cary Institute for Ecosystem

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| **Trends and consequences of precipitation change at Hubbard Brook** |
| Begin | End | Moderator  | Topic &“Lightning Talk” Speakers |
| 10:00 am | 11:15 am | Moderator: John Campbell | Precipitation trends at Hubbard Brook: past, present and future |
|  |  | 5 minute talks followed by open moderated discussion | **John Campbell**: “*Precipitation change at Hubbard Brook*”**Katherine Hayhoe:** *“Projected precipitation change in the northeastern U.S.” (remotely)***Mark Green:** “*Evapotranspiration and streamflow responses to precipitation change*”**Eric Kelsey:** *“Orographically-modified precipitation, and how the reverse elevational gradient occurs in HBEF for certain heavy rain events”***Marty Quinn:** “*Visualization and sonification of precipitation data at Hubbard Brook”* |
| 11:15 am | 12:30 pm | Moderator: Heidi Asbjornsen | Forest response to precipitation change |
|  |  | 5 minute talks followed by open moderated discussion | **Pam Templer:** *“Plant response to snow depth, soil freezing, and the N cycle”***Lindsey Rustad:** “*Why ice storms aren’t cool: new research at HBEF*”**Paul Schaberg:** *“Impacts of precipitation change on basal area increment derived from tree rings”***Tim Fahey:** *“Mountain paper birch decline: linkage to severe drought”***Heidi Asbjornsen:** *“Tree growth and physiological responses to changing precipitation patterns”***Adam Coble:** *“Adaptation and resilience to drought in northern temperate forests: a synthesis”***Katie Jennings:** *“Preliminary results from DroughtNet: tree transpiration response to reduced soil moisture availability”* |
| 12:30 pm | 1:00 pm | LUNCH |  |
| 1:00 pm | 1:45 pm | Moderator: Pam Templer  | Impacts of precipitation change on biogeochemistry  |
|  |  | 5 minute talks followed by open moderated discussion | **Rakesh Minocha:** *“Metabolic analysis from soil warming and droughtnet plots”***Jenny Talbot:** *“Microbial sequencing project at CCASE”***Peter Groffman:** *“Microbial response to snow depth, soil freezing, and N cycling”* |
| 1:45 pm | 2:30 pm | Moderator: Rebecca Sanders-Demott | Wildlife response to precipitation change |
|  |  | 5 minute talks followed by open discussion | **Rebecca Sanders-Demott:** “Reduced winter snowpack decreases winter stem herbivory on maple saplings”**Nick Rodenhouse**: Direct and indirect effects of precipitation on forest birds **Lynn Christenson:** “Soil free water and critters”**Windsor Lowe:** *“Precipitation change and stream amphibians” (presented by Lindsey Rustad)* |
| 2:30 pm | 3:15 pm | Moderator: Lindsey Rustad | How precipitation amount and variability is changing at Hubbard Brook, do we care, and if yes, what should we do about it? |
|  |  | Open moderated discussion | \*Including discussion of a synthesis paper and/or special journal issue |
| 3:15 pm | 4:00 pm | COS Business |  |