

Primary objectives of meeting

1. Familiarize yourself with each others projects
2. Brainstorm on potential synergies & leveraging each other's activities
 - Within disciplinary “themes”
 - Among inter-disciplinary research areas
3. Compile material for science implementation plan
 - Disciplinary
 - Cross-disciplinary
 - Airborne science campaign

Disciplinary Working Groups (new/total)

1. Fauna – Ecosystem Services (4/4)
2. Flora – veg structure & function (4/5)
3. Flora – veg dynamics & distribution (4/5)
4. Fire disturbance (4/6)
5. Carbon dynamics / BGC (5/9)
6. Hydrology & Permafrost (1/3)
7. Modeling framework & comparisons (1/2)

Disciplinary Working Groups (lead)

1. Fauna – Ecosystem Services (Boelman)
2. Flora – veg structure & function (TBD)
3. Flora – veg dynamics & distribution (Goulden)
4. Fire disturbance (Mack)
5. Carbon dynamics / BGC (Natali)
6. Hydrology & Permafrost (Kimball)
7. Modeling framework & comparisons (Fisher)

Disciplinary Breakouts (leads)

1. Fauna / Ecosystem services (Boelman)
 - Gateway room
2. Flora – structure, RSS, ecosystem dynamics (Goulden)
 - Minnesota room
3. Fire disturbance (Mack)
 - Swain room
4. Carbon BGC / Permafrost / Hydrology (Natali)
 - Johnson great room

Breakout 1 charge

Brainstorm on potential synergies & leveraging each other's efforts

- *Within disciplinary “themes”*
 - ✧ Working groups
- Primary objectives / expected outcomes
 - ✧ Informing, leveraging & synergies
- Data acquisition, processing, analysis
 - ✧ Field measurements (sites, mmts, protocols)
 - ✧ Remote sensing (types, approaches)
 - Aircraft RS campaign (where, what, how)
 - ✧ Identifying primary data gaps & needs
- Modeling
 - ✧ Driver data sets / predictor variables / cal-val / needs
 - ✧ Expected outcomes & comparisons

Crosscutting / interdisciplinary breakouts

- There are many different ways we could slice this: here are some obvious ones..
- 4 breakout groups
 - Flora-fauna interactions (lead TBD) Gateway room
 - Fire-flora recovery / interactions (TBD) Minnesota room
 - Permafrost-fire-BGC interactions (TBD) Ski-U-Mah room
 - Hydrology-permafrost interactions (TBD): Johnson Great room
- Self-select to breakouts (but diversify)
 - If you have 2 project participants, go to different WGs

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- If you have 2 project participants, go to different WGs

Breakout 2 charge

Brain storm on potential synergies and leveraging each other's efforts

- *Among inter-disciplinary research areas*
- How can the various disciplinary projects inform interdisciplinary efforts?
 - Sharing, leveraging & synergies
- Field mmts & remote sensing
 - Data collection at common sites?
 - Fire <> Vegetation <> Permafrost <> BGC <> Hydrology
 - Primary data gaps & needs?
 - Airborne RS hopes & dreams (priorities)
- modeling efforts
 - Framework & comparisons
 - Using *in situ* mmts for cal-val