

Meeting 5: 17 May 2018 - 11 AM EDT

Participants: Julie, John, Stephen, Andre, Juris (notetaker)

Welcome:

- Juris starting with SPADE
 - Juris to organize next conference call

Follow up:

- Both reports submitted
- University transfers should start soon
- Blog started by Juris (<https://gwf-spade.weebly.com/>)
 - Add proposal information to blog (Juris)
- Wiki for details at each site (Stephen will provide link to wiki)
- Transect between divide to capture precipitation across the divide at different elevations
 - How many sites can we have?
- Add locations and new wx stations to current map (Aseem)

Possible Site Locations:

Fortress Mountain

- Visited 05/11/18
- Possibility of instrumentation installation at base by gas station
- Need lat/lon elevation from technician

Nipika

- Visited 05/12/18
- Isolated site and lower in elevation near river
- Require solar panel
- Likely rain in valley between may and june
- Need to go to higher location for snow photography
- Good location for MRR
 - Need to clarify power requirement
- No cabins available

Kootenay crossing

- Parks Canada site
- Close to highway (easy access)
- No weather station (need to install instrumentation)
- Generator at site
- Need to make request access to site and power (Stephen to follow up)

Storm mountain lodge

- Cell phone coverage
- MRR possibility?
- Geonor
- Power issue
- John to follow up

Sunshine village

- Access to higher elevations compared to storm mountain lodge
- Parks Canada would be able to drive to weather stations.
- We could organize to drive up with them.
 - Vehicle access begins in summer (varies season to season)
- Gain vehicle access with research permit

Next steps:

- Compile instrument inventory and information, including power requirements for MRR and disdrometer
- Need minimum of two trailers or RV at sites with MRR and where we take snow photography
- Need to ask Nipika and Parks Canada about parking trailer/RV on site (Julie/Stephen)
- Wind correction for double ultra shield? Can we order a double ultra shield? (Julie to ask Roy)

Round table:

- Possibility of adding geonors to Parks Canada weather stations (idea well received)
- McLeod Meadows - a fire weather station close to Nipika with good accessibility. Located at the bottom of valley near highway.
- Other stations:
 - Some additional sites are for avalanche prediction at high elevations to get good exposure to the wind...might not be ideal for precipitation gauges. Avalanche sites don't measure RH.
 - Alberta Environment - Burstall Pass/ mud lake has precip gauge
 - Alberta Parks - avalanche sites
 - Alberta Forestry and Alberta Agriculture also have their own set of stations
- If we borrow MRR from NCAR only available for May-June. If ECCC installs MRR possibly in September → run all winter prior to project. MRR will require more power for heating during winter
- Purchasing MRR - 20% discount with MRR, including longer warranty deal according to ATS Technology
- Stephen - ordered geonor
 - Plan to deploy with remainder of instrumentation in fall

Next meeting: **31 May 2018 11:00 EDT**

Website URL: <https://gwf-spade.weebly.com/>