

SPADE Meeting 14

6 December 2018/ 1:00 PM ET

Attendees: Julie, Stephen, Dave, Michael, Aurelie, Greg, Andre, Jeremy, Juris (note-taker)

❑ Instrument updates

- ❑ Optical disdrometer sent to Germany
 - ❑ Should be back in a couple of months
 - ❑ Repaired optical disdrometer will go to Nipika
- ❑ Julie will look into buying a laptop for Nipika
- ❑ Julie to purchase 4 cameras (2 for Fortress and 2 for gas station)
 - ❑ Wifi & SD capabilities (Microseven cameras model #M7B77-WPS)
 - ❑ Julie will send cameras to 4905 Dufferin St Toronto, ON M3H 5T4
 - ❑ Attention: Michael Harwood
- ❑ MRR has been tested in the Cold Water Lab
 - ❑ Installed at Fortress - Powerline
 - ❑ Not currently running due to fluctuating power at Fortress (power is moving to triple phase soon)
 - ❑ Greg to look into this and will try and get MRR up and running
- ❑ Scaffolding at Fortress is of industrial quality including the platforms.
 - ❑ Was used by UWaterloo with no issues
 - ❑ Juris to purchase leveling jacks prior to field campaign

❑ Instrument insurance

- ❑ Juris drafted UNBC materials transfer agreement form
 - ❑ \$10K deductible
- ❑ Mike to send Juris equipment information
- ❑ Greg to ask John about USask borrowed equipment insurance policy

❑ Nipika power

- ❑ Jeremy's suggested purchase list:
 - ❑ 600 A hours worth of batteries
 - ❑ 120 V inverter to run the MRR
 - ❑ 12 V charge controller

❑ Fortress Services Junction update

- ❑ John has met with AB park officers
 - ❑ AB parks officers need to discuss instrument installation with their land use officer
- ❑ Juris to make sure permit is provided prior to ECCC shipping out equipment in late March
 - ❑ ECCC equipment will be pre-configured and deployed at King city prior to SPADE campaign

❑ ECCC

- ❑ ECCC will provide SPADE with GPM and Strathmore radar data
 - ❑ Peter Rodrigues has scripts to extract GPM data under a specified domain
 - ❑ Andre to provide coordinates

❑ Future items (beginning January 2019)

- ❑ Juris to plan community outreach/engagement

- ❑ Cold water lab has presented to a grade 8 class in Canmore in the past
 - ❑ Juris to look into Canadian Rockies public school
 - ❑ Greg to forward contact information
 - ❑ Juris to develop field protocols including:
 - ❑ Safety measures including communication
 - ❑ Standard operating procedures:
 - ❑ Carsonde
 - ❑ Microphotography
 - ❑ Manual observations, etc.
 - ❑ Juris to organize webinar for participating students and collaborators in March
 - ❑ Opportunity to meet everyone and get all students up to speed on the project
 - ❑ Students can share preliminary results
 - ❑ Allow participants to prepare what is needed for the field and to get a better understanding of the project
 - ❑ Juris to set doodle poll in early January to make sure those interested can attend
- ❑ **Roundtable**
 - ❑ Stephen:
 - ❑ Jeremy will be joining in the field campaign as Mark Taylor is no longer available
 - ❑ Selina will be joining the SPADE team in January
 - ❑ Mike:
 - ❑ Point to point link to connect the two sites at the top and bottom of Fortress
 - ❑ Will need access to wifi at top.
 - ❑ Jeremy:
 - ❑ Telemetry would be useful at Nipika
 - ❑ 600 m between barn and weather station
 - ❑ Mike to get back to Jeremy

Next Meeting: Wednesday January 9th, 2019 @ 2 pm (ET)