

DMP part 2

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Since doing the DMP part 1 I have looked at the management plan for my research project to see how it was organized and written. To describe who the leads were and what task people would be doing they used a nice table and flowchart. I'm including samples of the objective chart and hierarchy flowchart to reference later. I will be responsible for many of the roles described in class. I'm gathering data, uploading, helping maintain instruments, and generating metadata. Eventually I'll do some analysis as well. In the flowchart I'm working under Alec Kowalewski under objective 6. We are also working on objectives 1 and 3. In those situations I report to Ce Yang at the University of Minnesota or communicate through Alec to others in the project as directed. My roles are not listed on the flowchart, I'm sure there are many other grad students working on the project in a variety of ways at the other universities. I couldn't find a contingency plan in name, but I would again look to the flow chart provided in the project to see who the likeliest person to takeover would be. So far when we have had issues we have been able to reach out to Eric Watkins, listed as project coordinator, with our questions.

It does seem like most data will be shared with the public at some point in the project. However, there is some human data that would need to be protected. We have the contact information of golf course superintendents that we are working with that can't be shared. Other teams on the project that are developing the weather nodes for the project will protect their design on the nodes for possible monetization later. This is listed in the management plan.

Data will be stored in a few places. I'm uploading it to my computer first. Then to an external hard drive, and online box. We then share the data with project leads in Minnesota where they will post preliminary results on their project website. They are also compiling all the information for the project for analysis later on.

There are going to be multiple copies of the data I gather. The external hard drive and shared box with Minnesota. I also want to upload the data to our OSU team box but need to check on doing that. The process is manual in that I have to plug in the external hard drive, but then the backup to the hard drive is automated. I manually upload the drone flyovers to the shared drives. They take a long time to upload, and I want to make sure the proper files are chosen. We have two different shared drives. We use Box here at OSU and Minnesota prefers google docs. I'm not sure if our Box is backed up. It looks like a paid option, and I would need to investigate that a little further. Google docs looks like it can be backed up by the user and I'll do that once I start using it more.

Timeline

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Task	Investigators	Year 1	Year 2	Year 3	Year 4
OBJECTIVE 1: REMOTE SENSING					
Remote sensing/monitoring of golf greens	BR, SS, LK, ZJ, CY, JK, TA	OBJ 1.1			
Data analysis to determine patterns in winter injury	SS, ZJ, JK	OBJ 1.2			
Envirotype generation and prioritization	SS, ZJ				
Winter stress prediction tool	LK, ZJ, SS, BR, CY, MR				
Climate change model and testing	TT, ZJ, SS, JK	OBJ 1.3			
Information delivery to outreach team on climate prediction	TT, SS, ZJ				
OBJECTIVE 2: PLANT PHYSIOLOGY					
Crown viability methodology	EMH	OBJ 2.1			
Vasculature and freezing damage	WS, EW, MD, JE	OBJ 2.2			
Freeze-thaw cycles/crown hydration	WS, EW, MD, JE				
Anoxia exposure methods	DP, EMH, MD, TA, SD	OBJ 2.3			
Factors associated with tolerance to anoxia	DP, EMH, MD, TA, SD				
Physiological factors regulating post-anoxia recovery	MD, TA, SD				
Traits for hardening under various light environments	DP, EW, TA, SD	OBJ 2.4			
OBJECTIVE 3: PLANT PATHOLOGY					
Snow mold modeling and pathogen diversity	PK, AK, KH, KF, JV, GJ, FS	OBJ 3.1			
Pathogen growth and development	FS, DP, PK				
Fungicide resistance	PK, GF, FS, JV, AK	OBJ 3.2			

