**CyberWay Monthly Telecon Minutes**

2:00-3:00 PM Mar 12 2018

website: <http://cube.csiss.gmu.edu/CyberWay>

github: <https://github.com/CSISS/CyberWay>

**1. Roll Call of Participants**

Ben Cash, Steve Browdy, Ziheng Sun, Sheng-hung Wang, Eugene Yu, Chen Zhang

**2. Agenda**

Discuss the architecture design and sub-group progress of CyberWay.

**3. Subgroup status & action item report**

*3.1 GMU CSISS*

Dr. Ziheng Sun reported the progress of CSISS. We have accessed the datasets on COLA servers and the ASR products in UCAR. We are looking into the datasets and trying to understand the connections between datasets and science use cases. We read the papers from COLA and OSU to obtain an overview impression on the teleconnection and reanalysis models.

*3.2 GMU COLA*

Dr. Ben Cash reported his current work in teleconnection models between tropical climate and California drought, and also the might use case of teleconnection between Antarctic and South Africa drought. Ben’s model is global and may have interests to integrate the updates from many available data sources. Ben gives a list of interesting data sources which may be considered as model inputs or observations. BCube’s crawler and broker can help find and retrieve the datasets.

Ben suggested we should set up a face-to-face meeting in CSISS. Ziheng need check both sides’ schedules and arrange a meeting to discuss the work items more thoroughly in this month. Either Monday, Webnesday or Thursday should work for Ben.

*3.3 BCube*

Dr. Steve Browdy introduced the progress on Bcube. The deployment of broker and crawler is in progress. Steve may give us a demo around May. This project needs focus on using BCube as the major broker, while GeoDAB is an optional alternative only when the BCube cannot search the datasets. Steve will also post some modifications to update the drafted overall architecture. Once receiving Steve’s udpates, CSISS need merge them to generate a new version of architecture design.

*3.4 OSU*

Dr. Sheng-hung Wang reported the progress of ASRv2 and introduced the dataset. ASR is going to update to 2016 in mid 2018. The product covers the years from 2000 to 2016. They are trying to make it more current, like three months delay. Sheng-hung gives us a [link](http://polarmet.osu.edu/PMG_publications/bromwich_wilson_bams_2018.pdf) to their latest publication - a manuscript describing the Arctic system reanalysis workflow and products in details. CSISS need read it before scheduling a separate telecon with Sheng-hung to discuss about it.

**4. Next Agenda**

Continue the discussion on the four cases in the proposal. Specificly:

1) the integration of Bcube and CyberConnector

2) the way to remotely access and efficiently visualize COLA datasets

3) the streamline process for COLA teleconnection and reanalysis models

4) the streamlined process for ASR model

5) interface design for intercomparison and model validation