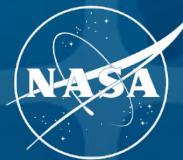




2023 GHRC UWG Recommendations Review

Geoffrey Stano



Recommendation 1 Reviews



- **1A: Create a broader visioning exercise defining the position of GHRC in the evolving landscape. Focus on the next 3-5 years.**
 - Reviewing current document
 - Will address in more detail after this UWG meeting
- **1B: Careful revision of the mission statement. Align with future NASA missions relevant to GHRC. Include words like convection, precipitation, and lightning to better align with AOS, INCUS, IMPACTS, ALOFT, and GLM.**
 - Updated mission statement as of the FY23 work plan
 - The Global Hydrometeorology Resource Center (GHRC) provides a comprehensive archive of datasets for the analysis of dynamical and physical processes of storm hazards, lightning, precipitation, convective and tropical systems, and field campaigns. GHRC emphasizes cloud-based tools, science expertise, and open science enabling users to more fully access, analyze, and visualize GHRC's unique holdings.

Recommendation 2 Reviews



- **2A: Attend other types of NASA meetings. Consider PMM, AOS, INCUS, etc.**
 - Have begun more meeting attendance – Request support from UWG members
 - GHRC and GES DISC selected for INCUS – Work plan submitted to ESDIS (Sep. 29)
- **2B: Hold and promote data workshops.**
 - Have joined Openscapes mentors – June 2023
 - Previous presentation provided initial demonstration of GHRC's collaborations
- **2C: Explore social media outreach with headquarters.**
 - Ongoing activity - No new updates
 - Also falls within NASA's web page unification efforts

Recommendation 3 Reviews



- **3A: Create a framework for assessing data formats and tools. Consider current user base, but also the user base GHRC wants.**
 - No updates at this time
- **3B: Provide training. Focus on data usage and document QC processes. Aim for sensor- or product-driven data recipes. Focus on +/- of data. Keep open communication with PI for a few years after publication.**
 - Earthdata webinars have served as a general type of training
 - Focusing on training for FCX and Lightning Dashboard
 - Developing new jupyter notebooks for data analysis/visualizations via Openscapes
 - Open call to UWG members for collaborations
- **3C: Start PI relationships early and stay in touch with them after campaigns.**
 - Successfully implemented with CPEX campaigns and IMPACTS
 - Have two years of pre-launch collaborations with INCUS - Need ties with AOS

Recommendation 4 Reviews

Continue work with ADMG and DAACs to identify relevant campaigns.

- **4A: Use AMPR as test to prove the concept of instrument stewardship and develop a prototype process.**
 - More discussion with UWG needed
- **4B: Recommend socializing FCX with other DAACs and develop a modular approach for their datasets. Prioritize by download metrics as needed.**
 - Need to improve data ingest and expand what is in FCX
 - Initial socialization efforts have shown interest – Need to speed up this process
 - Similar goal for the Lightning Dashboard
 - Previously mentioned training must include how to add user's data

Recommendation 4 Reviews (continued)



- **4C: Continue to explore links to other databases.**

- Have been doing this with joint projects (CPEX, IMPACTS)
- Joint proposal with the INCUS campaign approved
- Need to expand this to find wider connections
 - Potential collaboration with GES DISC and SPoRT with TROPICS

- **4D: Strive for awareness of all sister field campaigns and provide links.**

- Equivalent to third bullet in 4C
- Additionally, will coordinate with ADMG and their breadth of knowledge on field campaigns with their CASEI project
 - CASEI will be described more this afternoon by ADMG

Recommendation 5 and 6 Reviews



- **5: Define the existing user base for the GHRC DAAC.**

- Have traditionally used the ESDIS ACSI surveys – Limited to who responds
- Coordinating with ESDIS on obtaining better web metrics
- Field campaign science teams and individual dataset PIs
- Users of GHRC datasets

- **6: Work with members of the UWG throughout the year to identify/detail specific user interface issues.**

- GHRC agrees this can be improved
- Coordinating with UWG chairs on new membership this year (Thank you!)
- Have had feedback on new products for archival and services (Thank you!)
- Propose quarterly call with UWG – First meeting date should be established before end of this meeting

Suggestion 1 Reviews



- **1: Data citations seem low and/or difficult to track. Coordinate with publishers at a higher level to identify best practices for DAACs and journals. Consider making various citation format options available.**
 - Coordinating with ESDIS to best obtain these metrics
 - Discussing potential to obtain this information via the NASA web unification project

Suggestion 2 Reviews



- **2A: Prioritize and maintain useful website content with regular micro article generation.**
 - Web page has been undergoing updates – Clarity in information presentation
 - Delays due to uncertainty with NASA's web unification efforts
 - Questions remain over what GHRC will have control over
- **2B: Develop a regular schedule for updating and maintaining micro articles and the website as a whole.**
 - GHRC agrees with this suggestion
 - Efforts have been more ad hoc in the past
 - Reviewing published campaigns and instruments to identify those without articles
 - Did this a year and a half ago with IMPACTS instruments – Will do this for INCUS
 - Web unification effort has introduced uncertainties as to what GHRC can do

Suggestion 3 Reviews

Develop intentional procedures on dealing with commercial data.

- **3A: Acknowledge rapidly changing landscape, but think about how to obtain commercial data, create analysis-ready capabilities, and archive derived products.**
 - No updates yet
- **3B: Stay in coordination with the Commercial Satellite Data Acquisition (CSDA) office.**
 - Initiating contact
- **3B: Incorporate these data into data recipes and use them in near real-time with field campaigns if possible.**
 - No updates yet

Suggestion 4 Reviews



- **4: Provide translations of user guides, micro articles, and more for international and non-English speaking users. Use download statistics to understand what languages might be useful and track download/access of new documents.**
 - Need to conduct the review of downloads and access to identify top languages
 - Afterwards, can identify avenues to address translation work
 - Was discussed at the User-Needs Technical Interchange Meeting last week



THANK YOU!

