2014 UWG RECOMMENDATIONS

Recap and Status

Dr. Rahul Ramachandran

DAAC Manager

NASA/MSFC

rahul.ramachandran@nasa.gov

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Recommendations

Recommendation 1: Evaluate and update the GHRC mission and objectives in coordination with the UWG members, NASA ESDIS, and Program Managers at NASA HQ.	**Done**	**Session 1**
Recommendation 2: Develop a 5-10 year vision for GHRC and ensure the new website reflects that message. Several of the following recommendations should inform this Plan.	**Done** (Web site will be updated after UWG discussion)	**Session 1**
Recommendation 3: GHRC should hold AMS and AGU town halls, develop and distribute information brochures that describe their capabilities to potential data providers (e.g. field campaign PIs) and data users, utilize the NASA hyperwall, and pursue other opportunities (BAMS) to enhance GHRC visibility once the 5-10 year vision is developed and the web page reflects these objectives.	**Open**	**Session 6** Need a systematic approach for outreach

Recommendations

Recommendation 4: Carry out dataset holdings analysis and create a reporting structure that categorizes what is available at GHRC and possibly elsewhere. This compilation should enable prioritization of efforts that will fill the most significant data voids, where these efforts align with the new GHRC mission.	**Done**	**Session 3**
Recommendation 5: Update public dataset information pages to include data holding analysis results that might be helpful to the user community	*In progress*	**Session 4a**
Recommendation 6: Determine a set of useful user metrics, with feedback obtained from the UWG, that can be routinely updated and made available to the NASA sponsor, UWG and broader community. Analysis of these metrics should inform the 5-10 year plan.	*In progress*	**Session 4a**

Recommendations

Recommendation 7: Review the "NOAA Procedure for Scientific Records Appraisal and Archive Approval" and the PODAAC Data lifecycle. Assess whether these procedures or a modified version of them are useful formalizations that would aid in creating a data lifecycle plan for existing and future GHRC data holdings.	**Done**	**Session 2**
Recommendation 8: Create a data lifecycle process for GHRC that can be applied to current and future holdings. Ask NSIDC and PODAAC for their policies and assess utility within GHRC. Publish the data lifecycle on the website, along with a contact, to provide clarity on the process for investigators interested in providing data	**Done**	**Session 2** (Documents on website)
Recommendation 9: Assess what might be useful in the NODC netCDF data template and develop some guidelines or work flows for GHRC to handle future field campaign data.	**Open**	**Session 6**

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Recommendations

Recommendation 10: Develop a data maturity model for GHRC data. Provide this on website and include maturity information for each dataset provided. Review NOAA's data maturity model (http://www1.ncdc.noaa.gov/pub/data/sds/maturity-table-6level.pdf) as a starting point	**Open**	**Session 2**
Recommendation 11: Determine LIS technical specifications for data products, latency, formats, etc. Publicize this future data source at appropriate venues	**Open**	**Session 6**
Recommendation 12: Develop a single tool that can provide broad use to multiple field campaigns and data types	*In progress*	**Session 5d**

Recommendations

Recommendation 13: Update the 'cite our data' webpage to include DOI in all the examples given and include a link to the 'cite our data' page on individual dataset information pages	**Done**	**Session 4b, 5c**
Recommendation 14: Communicate with the LPDAAC to understand their transition to HTTPS process. Provide highly visible examples, links to examples via email, and as much visibility as possible to ease the transition. A page with examples of different methods to download data, accompanied by example code, would be helpful	*In progress*	**Session 5a**
Recommendation 15: Look at netCDF4 as an internal data format, define common CF-compliant metadata for each data type, and develop tools that will check for metadata compliance	*In progress*	**Session 5b**
Recommendation 16: Explore and identify future users of possible mobile apps for NRT data. An assessment of how GHRC ingests format requirements could be used to broaden app utility	**Open**	**On hold**

Suggestions

Suggestion 1: Ease of use should be paramount to GHRC. Supplying APIs in both IDL and Python that allow users to download datasets from their local machines is highly desirable	*In progress*	**Session 5d (Demo)**
Suggestion 2: Engage the open-source community via a software repository site, such as GitHub	**Open**	Plan to add to **2016 work plan**
Suggestion 3: Provide fixed single browse image for most products	**Open**	**Session 6**
Suggestion 4: Continue web search optimization	*In progress*	**Session 5c**