Public Access to Scientific Data and Publications

Presented to the Space Studies Board Committee on Best Practices for a Future Open Code Policy for NASA Space Studies

Gale Allen
Chief Scientist, acting
NASA
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Agency Progress

• In response to the OSTP Memo from February 2013 which directs each Federal agency with over $100 million in annual conduct of research and development expenditures to develop a plan to support increased public access to the results of research funded by the Federal Government.

• The Agency developed the *NASA Plan for Increasing Access to the Results of Scientific Research*.  

• NASA Policy Directive NPD 2230, Research Data and Publication Access is final

• A website portal for all of NASA data information is located at www.nasa.gov/open/researchaccess. It includes the plan/NPD, FAQs, links to training videos as well as links to NASA datasets.

• NASA repository for peer reviewed publications is located at PubSpace

“Effective data management has the potential to increase the pace of scientific discovery and promote more efficient and effective use of government funding and resources.”  (Excerpt from the NASA Plan)
Publication Management Status

• Extramural = Grantees and contractors to submit accepted peer reviewed manuscripts to the PubMed Central System.
  – OMB and Federal Register notice went out to public in January; final rule went into effect 5/31/2016.
  – Working process for extracting required metadata in XML format for Grants via Federal Exporter/FPDS.

• Intramural = Civil servants accepted peer reviewed manuscripts to be submitted by the STI Program in batches to the PubMed Central System.
  – Civil Servant Batch testing is now occurring.

• Within the NIH PMC System, NASA will be able to query manuscript submittal information and metrics for reporting purposes.
NASA Public Data Access Policy

NASA’s policy has always been to make scientific data available; the OSTP policy prompted NASA to search for ways to make it easier to access and search.

All NASA’s research solicitations require a data management plan (DMP)
Became effective in 2016 solicitations
DMP will not be counted in the overall proposal page count
DMP must be included in the proposal and identify where the data will be housed

Data repository
Primary repository for research data will be a NASA approved data archiving center
On case by case basis other data centers or venues will be considered

- Working Data: Raw experimental data (experiments, simulations)
- Derived Data: Working data that have been analyzed or processed
- Publishable Results: Data ready for publication with uncertainty estimates
- Published Results: Reviewed by NASA and published in a journal, book, etc
NASA Research Data Access Plan: Research Data “Lifecycle”

Where will the data reside?

*NASA Public Servers
*NASA Data Centers
*Investigator’s research institution
Other Fed Agency Repositories
*Community Repositories
*Cloud
Dashboard – NASA Data Portal  PubSpace

http://www.nasa.gov/open/researchaccess