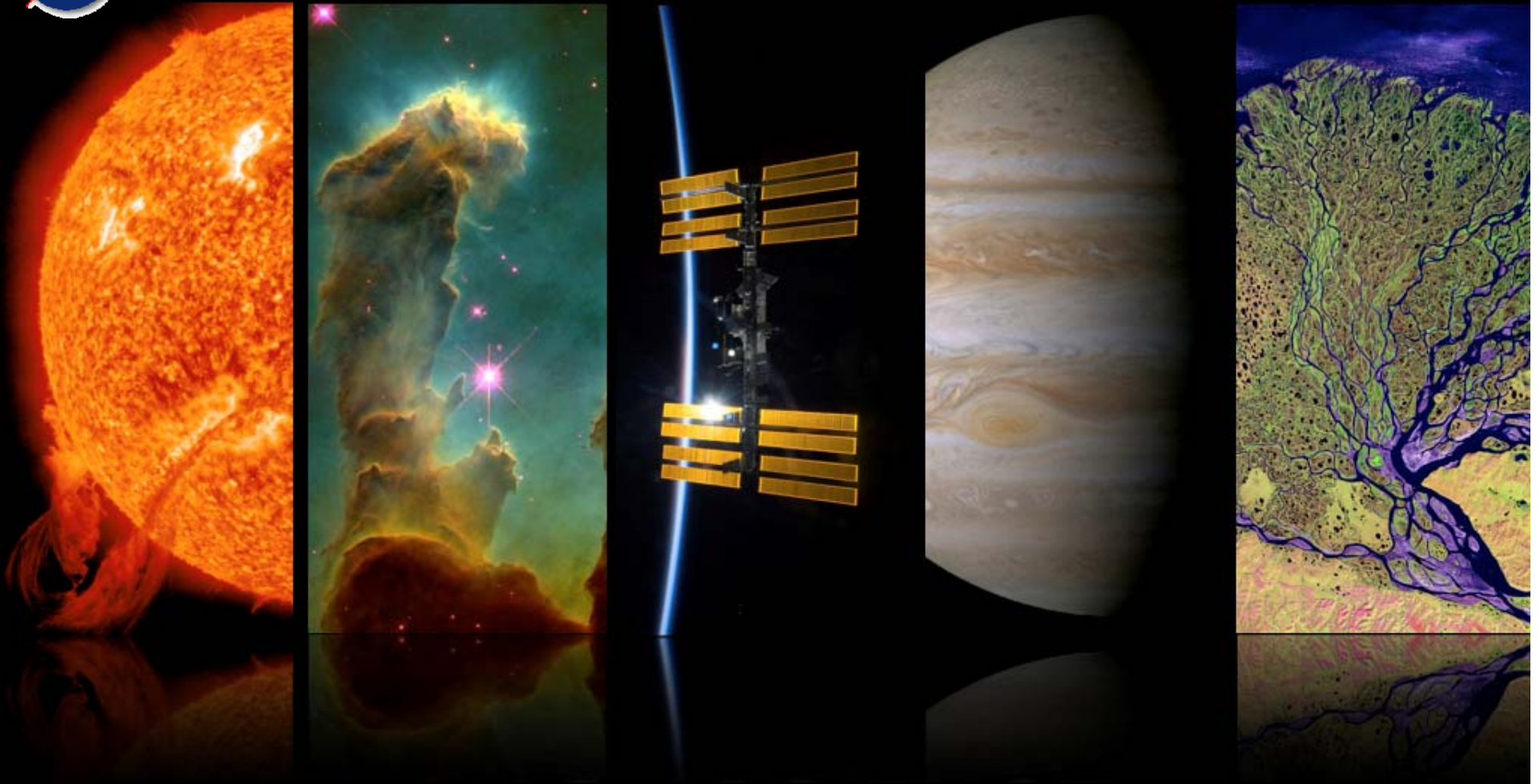




National Aeronautics and Space Administration



Public Access to Scientific Data and Publications

Presentation to the MPS Data Workshop

NASA's Status

Dr. Gale Allen

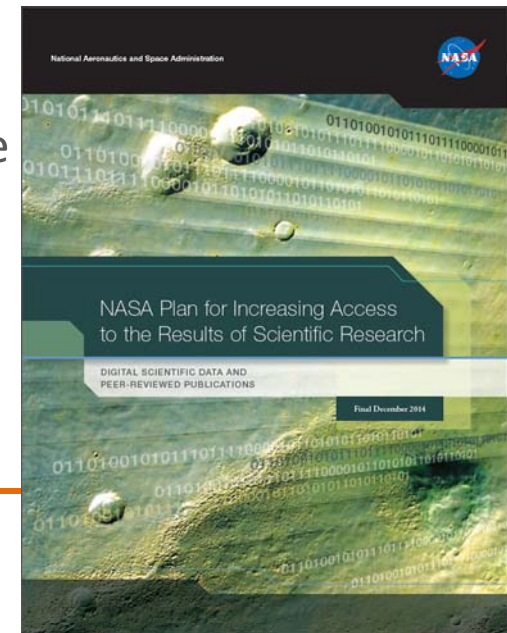
Deputy Chief Scientist

2015



Agency Efforts

- 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*.
- A draft NPD 2230, Research Data and Publication Access is almost finalized.
- The CIO is also developing a data website as a front end for all of NASA data. This website will include the plan, FAQs, as well as links to NASA datasets. It will be located at nasa.gov/open/researchaccess
- NASA has selected NIH PubMed Central to house peer reviewed publications. It will have a NASA portal page entitled 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)

NASA Data Access Strategy

www.nasa.gov



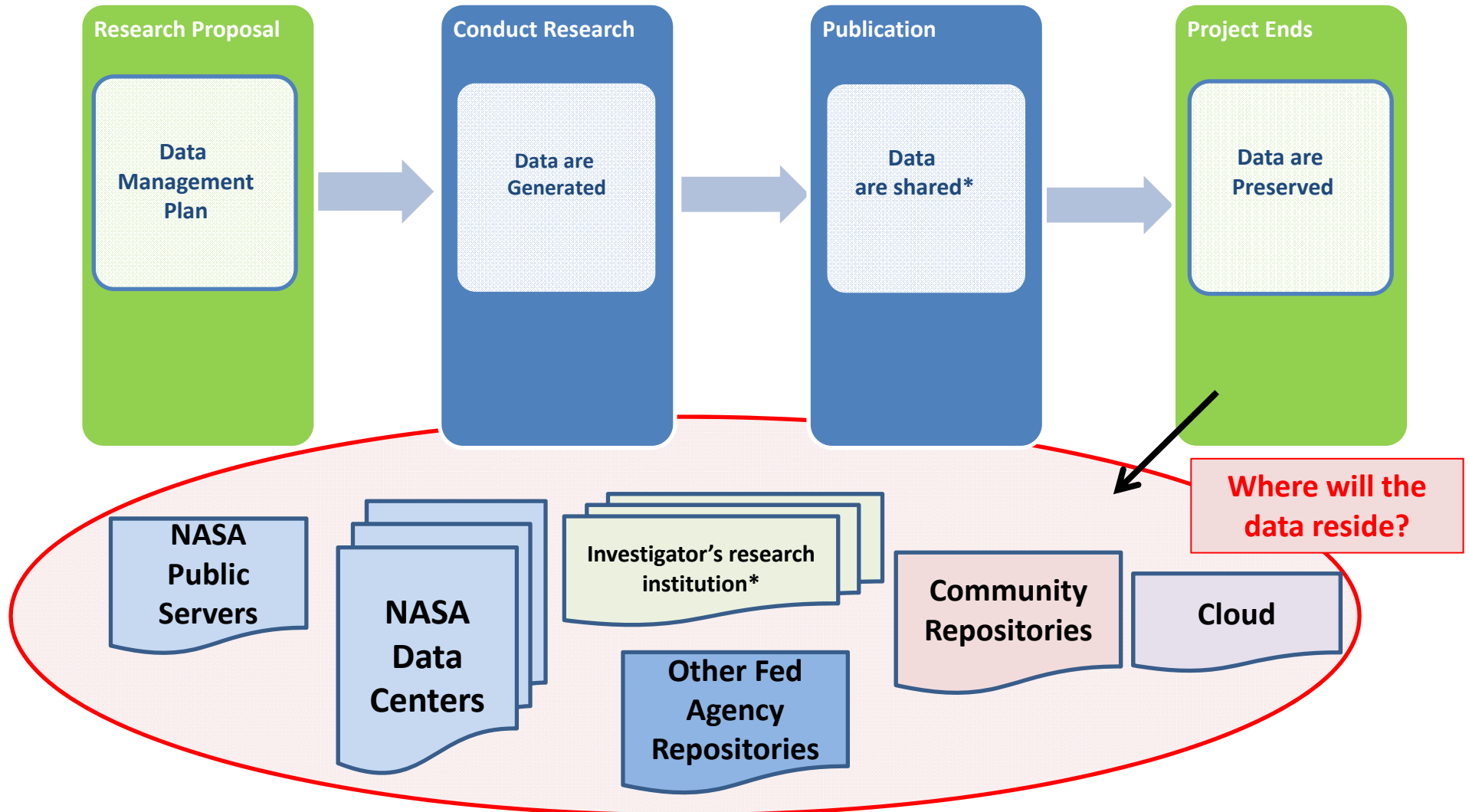
Changes to Solicitations - Data

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

Data Team

- All NASA's research solicitations will require a data management plan (DMP)
 - Language drafted and incorporated in current solicitations
 - DMP will not be counted in the overall proposal page count
 - DMP must be included in the proposal
- Data repository
 - Primary repository for research data will be in an approved center
 - On case by case basis other data centers or venues will be considered
- Our Chief Information Officer is developing searchable front end on existing repositories and linking them to a single or minimal number of sites

NASA Research Data Access Plan: Research Data “Lifecycle”





Changes to Process

- NASA Policy Directives (NPD) NPD2230, “Research Data and Publication Access” has been created
- NASA has integrated the new policy into existing research guidelines, such as
 - NPR/NPD 1080, *Requirements for the Conduct of NASA Research and Technology (R&T)*
 - NASA’s Grants Handbook
 - NASA Science Mission Directorate Science Plan



Publications

NASA did not have a comprehensive publications management plan

Publication team –

- Commissioned an independent study of four platforms both internal and external to NASA
- Based on risk, budget, and schedule, team recommended using existing NIH PubMed Central platform under a public/private partnership
- All publications will be entered into this database



Current Activity

- **Open Data Website Portal** – In work, will house Open Data Plan, FAQ, links to databases and training videos
- **Data** – Front end search engines under development
- **Publications** – Currently working with NIH to create a NASA portal page in PMC
- **Training** - A series of training videos is currently under development to better explain to all NASA-funded scientists the purpose, applicability, and means to implementation of the new policy (expected early 2016)
- **Socializing** - Communicating implementation plan at venues such as: National Council of University Research Administrators, American Geophysical Union, American Society for Gravitational Research, and the ISS R&D Conference, MPS Open Data Workshop, others



Summary

NASA

- Has made scientific data available for many years
- Is committed to fully implementing the OSTP data access policy
- On track to be fully implemented spring 2016



Item of Interest

- Bill in Senate addressing OSTP Data Access Policy – S. 779 Cornyn

“Fair Access to Science and Technology Research Act 2015”