



## Press Release 10-077 Scientists Seeking NSF Funding Will Soon Be Required to Submit Data Management Plans

Government-wide emphasis on community access to data supports substantive push toward more open sharing of research data

May 10, 2010

During the May 5<sup>th</sup> meeting of the <u>National Science Board</u>, National Science Foundation (NSF) officials announced a change in the implementation of the existing policy on sharing research data. In particular, on or around October, 2010, NSF is planning to require that all proposals include a data management plan in the form of a two-page supplementary document. The research community will be informed of the specifics of the anticipated changes and the agency's expectations for the data management plans.

The changes are designed to address trends and needs in the modern era of data-driven science.

"Science is becoming data-intensive and collaborative," noted Ed Seidel, acting assistant director for NSF's Mathematical and Physical Sciences directorate. "Researchers from numerous disciplines need to work together to attack complex problems; openly sharing data will pave the way for researchers to communicate and collaborate more effectively."

## 2010 Project: Solicitation NSF 09-514

- Biology Directorate (To determine functions of all genes in *Arabidopsis thaliana* by 2010)
- http://www.nsf.gov/pubs/2009/nsf09514/nsf09514.htm
- Data Management Plan (max. 1 page): Development & adherence to community-wide standards for collection & presentation of data are highly encouraged. Large-scale datasets must be made available in a format that enables rapid comparison & effective utilization of reproducible information. All proposals must incl. a detailed data management plan if project is expected to generate significant digital data for preservation. Contents of plan should incl.:
  - > Types of data to be produced
  - Standards that would be applied for format, metadata content, etc.
  - Provisions for archiving & preservation
  - Access policies & provisions
  - Plans for eventual transition or termination of the data collection after the NSF funding period

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	Information and Data Management (IDM)			
	CONTACTS			
Directorate: Computer and Information Sciences & Engineering (CISE) Division of Information & Intelligent Systems	Name Maria Zemankova PROGRAM GUIDELINE Announcement 04-500 Please be advised thi (PAPPG) includes rev of the America COMPJ specified in the ACA, postdoctoral researc activities that will be comply with this requ Guide Part I: Grant Pi the implementation of DUE DATES Archived SYNOPSIS The Information and Da activities fundamental to use of databases, inform design methodologies, c modeling, information a discovery and visualizat areas span web-based a and other intelligent information and data or information and methodologies, c	Email mzemanko@nsf.gov	ment the mentoring No. 110-69, Aug. 9, 7 sests funding to supp- cription of the ment iduals. Proposals the d without review (se I for further informa). I for further informa), development, mana edge-based systems. T , knowledge and proce mation integration, kno ure and implementation scientific and engineer data gathering and sto t, including security/pr hange maintenance, ar eneous systems, highly	and education gement, and opics/exerch at do not se the PAPP tion about



## **NSF** Data Policy

• Before: "Investigators are expected to share with other researchers, at no more than incremental cost and within a reasonable time, the primary data ... created or gathered in the course of work under NSF

grants." (Proposal & Award Policies & Procedures Guide)

- **Now:** Data Management Plan (DMP) part of proposal submission
  - Implementation and type of responses varies across fields
  - > Distribution may wait until after publication by investigators
  - International collaborations: formal data protocols in S&T agreements
- Future?: Refinement and Possible Expansion
  - > Adjustments and development to data policy
  - Examine Open and electronic access to publications & associated data for publically funded research



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