

# LA-SiGMA: Data Management Plan

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# Discussion: NSF's Data Management Plan Requirement

- In their revised *Grant Proposal Guide*, the NSF mandates that all proposals submitted after January 11, 2011 include a short — no more than two-page — supplementary document detailing the Data Management Plan (DMP) for the proposed project.
- Data must be preserved for at least three years beyond the end of the award.



*The*

# FOURTH PARADIGM

DATA-INTENSIVE SCIENTIFIC DISCOVERY

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## Possibilities:

### 1 Commercial

- The Princeton Plan<sup>1</sup>
  - 'Pay Once, Store Forever (POSF)'
  - Expensive. \$5K/terabyte, *i.e.*, ridiculous
- Digital Commons<sup>2</sup>
  - UNO is a customer now.

### 2 Institutional repositories, *i.e.*, libraries

- Institutions then supply 'boiler-plate' for the NSF proposals.
- Institutional processes address any-and-all curation and metadata issues.
- Scale of institutional storage will be a severe challenge.

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<sup>1</sup><http://dspace.princeton.edu/jspui/handle/88435/dsp01w6634361k>

<sup>2</sup><http://digitalcommons.bepress.com/>

- 1 What constitutes satisfactory data curation?
  - Include all data underpinning conclusions of a final paper/report, not data obtained following crazy tangents.
  - All directories should have a README, explaining files there.
  - Required third-party and proprietary software should be identified, but need not be provided.
  - Makefiles for processing/compiling of locally derived code.
  - Tar, identify, make web-accessible to interested external researchers. No baby-sitting expected/required.
- 2 Must archive  $X$  terabytes/year/researcher.  $X = ?$  (10)
- 3 Do we need a multi-university solution?