

Action Plan to Address CSU's Research Data Management Challenges

Introduction

Move forward with the ISTeC Data Management Committee recommendations by taking the following action steps over the next 12 months:

Action Step #1: Convene the 2nd Annual CSU ISTeC Data Management Forum in Q2, 2014.

Objectives:

1. Horizontally communicate the Committee's recommendation to a broader audience for feedback and suggestions, using a formal exit survey.
2. Begin stitching together the various CSU initiatives surrounding data management; e.g., Avoiding Allegations of Research Misconduct through Effective Data Management by Kathy Partin et al, Data Management and the Changing Landscape of Research by Shea Swauger.
3. Set the stage to attain a Data Management vision for the 3 to 5 year horizons, assessing the possibility of leapfrogging, and build the budget to present at the FY 2016 SPARC.

Action Step #2: Nurture a positive learning culture through Affinity Group support.

Objectives:

1. Using the Bioinformatics Affinity Group as a model, identify other disciplines struggling with data management challenges and create new affinity groups to bring people together to solve complex problems.

Action Step #3: Excel in research data management through education.

Objectives:

1. Develop people, products and processes to support the discovery and innovation process including curation through (2) classes targeting the research community; Data Management 101 for principles and Data Management 102 for best practices.

Action Step #4: Establish and nurture a sustainable data management infrastructure.

Objectives:

1. Create a 2nd tier, cost recovery computing and storage infrastructure at an initial cost of ~\$60,000 within the next 12 months to support the CSU research function when computing or storage needs exceed those available on a typical personal workstation.
2. Introduce a service-oriented model; i.e., like a utility, for research data management. It should "just work" and not require extraordinary effort.