



# Digital Library, Repository, and Preservation Trends

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# Digital Library, Repository, and Preservation Trends Impacting Universities and Knowledge Institutions

## Content and Organizational Issues

- > “Got Data?” Content Growth – 2007 Content > Storage
- > Long-term Sustainability and Permanent Access: SNIA 100 Year Archive Issues and Cross-Vertical Standards Development
- > New Grant Funding Requirements – Up-front Archival Plans
- > Research and Content Are Morphing the IT Focus at Universities – Federated Repositories, Central IT Function, Library's Curatorial Role
- > Types, Value, New Uses of Content - Long-Tail Data, Born Digital Material, Digital Asset Management (DAM), eScience Datasets

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## IT Issues

- > Disaster Recovery and Business Continuity – Copies and Locations
- > Predicting Future IT and Economic Models – Scalability, New Technology, Power Cost, Maintaining Initial Projects
- > Cloud Computing – Reality of Service Level Agreements
- > Solutions Now Being Developed at Both Commercial and Open Source Organizations: Islandora, Rosetta, Tessella, Sun's Storage Archive Manager
- > Open Computing and Storage Are Required

# The Sun PASIG ([www.sun-pasig.ning.com](http://www.sun-pasig.ning.com))

Started in 2007 with Mike Keller, Stanford Librarian

- Comparison of High-level OAIS Architectures, Workflows, and Use Cases
- Sharing of Best Practices and Community-developed Solutions and Technologies
- Cooperation on Standard, Open, Solutions and Replicable Reference Architectures
- Review of Storage Architectures and Trends and their Relation to Preservation and Archiving and Research Data Set Management
- Exposition of Relevant Commercial Third Party Expertise and Solutions



**Thank You!**

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