**Program Data Sheet & Current Status**
31 August 2001

**Program Description:**
- Create and establish an electronic system that captures, preserves and communicates the intellectual output of MIT's faculty and researchers.
- Support adoption by and federation with other institutions.

**Resource Requirements:**
- 8 full-time equivalent (FTE) staff.
- $1.8 Million (grant to MIT by HP), covers 3 MIT FTE, 2 Consultant FTE, office equipment, space.
- plus 3 HP FTE onsite,
- plus HP-provided repository hardware

**Benefits:**
- Stable, long-term storage. Low adoption barriers.
- Handles a variety of digital media formats. Extensible support for unforeseen content, metadata
- Supports library biz processes enabling preservation
- Flexible, distributed ingest from diverse communities of submitters, customer "gatekeepers"

**Program Deliverables:**
- System deployed at MIT (~ September 2001):
  - (1) digital asset store
  - (2) long-term cost and value creation scenarios
  - (3) submission and retrieval mechanism
  - (4) discovery and sharing mechanism
  - (5) authentication and authorization mechanisms
  - (6) rights management architecture
  - (7) community architecture, and (8) extensible services architecture
- System packaged as deployable platform, easily installed and adopted by other institutions:
  - (1) low-barrier adoption, installation, configuration
  - (2) appropriate human support and consulting
  - (3) support for relevant protocols and metadata standards
  - (4) interfaces to support legacy institutional systems
  - (5) defined mechanisms for machine interaction with system
  - (6) federating features that use these mechanisms to share content & metadata

**Follow-on research efforts to be conducted upon the established platform identified:**
- (1) Future collaborators identified (MIT, HP, and elsewhere)
- (2) Proposals for further digital media research built on DSpace platform.

**Schedule Targets / Key Milestones:**
- Prototype "Little-D"
  - Dec'00
- Design Objectives Signoff
  - May'01
- Rollout to Early Adopters
  - Sep'01
- Rollout to MIT at Large, World
  - Feb'02
- Program Complete
  - Jun'02

**Recent Accomplishments:**
- Identified and secured commitment of DSpace Early Adopters at MIT:
  - Department of Ocean Engineering
  - Center for Technology, Policy, and Industrial Development (CTPID)
  - Laboratory for Information and Decision Systems (LIDS)
  - Sloan School of Management
- Solidified persistent naming strategy. DSpace will use the CNRI handle system. See the doc:
  - <http://web.mit.edu/dspace-dev/www/current_project_docs/ArchivalIdentifiers.html>
- Defined workflow requirements, created and documented design:
  - <http://web.mit.edu/dspace-dev/www/current_project_docs/WorkflowRequirements.doc>
- Enumerated specific workflows required by Early Adopters:
- "MIT Press Effort" yielded:
  - implementation of bitstream storage (Early-Adopter-Ready)
  - search capability bundling FreeWais external search engine
  - metadata requirements for Early Adopter Release
- Defined strategy for generating a store of provenance metadata using Harmony:

**Current Focus / Key Upcoming Events:**
- Implementation - Early Adopter Focus
  - Jul-Oct
- Early Adopter Launch Prep
  - Jul-Sep
- Upcoming DSpace Presentations
  - Library & Information Technology Association Oct
  - American Society for Information Science Nov

**For Further Information:**
http://www.dspace.org