Overview of Program Development

Nancy McGovern
Five Stages for Growth

1. **Acknowledge**: understanding that digital preservation is a local concern
2. **Act**: initiating digital preservation projects
3. **Consolidate**: segueing from projects to programs
4. **Institutionalize**: addressing larger context and rationalizing programs
5. **Externalize**: embracing inter-institutional collaboration and dependency
Stage 1: Acknowledge

- **Organizational infrastructure:**
  often non-existent; implicit policy, or very high level

- **Technological infrastructure:**
  non-existent or heterogeneous and decentralized; disparate elements

- **Resources:**
  generally low, finite, ad hoc financial commitment
Stage 2: Act

Organizational infrastructure:
implicit policy or expressed in general terms, increased evidence of commitment

Technological infrastructure:
project-specific and reactive; ad hoc location

Resources:
often project-based funding
Stage 3: Consolidate

**Organizational infrastructure:**
development of basic and essential policies

**Technological infrastructure:**
assessment of technology investment and requisite infrastructure, shift to proactive mode

**Resources:**
some funding and support beyond projects, but limited
Stage 4: Institutionalize

Organizational infrastructure: consistent, systematic management; comprehensive policy framework

Technological infrastructure: technology planning anticipates needs; infrastructure investments planned/implemented

Resources: sustainable funding identified for core program areas and enhancement
Stage 5: Externalize

**Organizational infrastructure:**
virtual organizations complement institutional ones; collaboration inherent feature in resource planning

**Technological infrastructure:**
distributed and highly integrated; extra-organizational features and services

**Resources:**
varying levels of investment, but sustainable funding; possibly distributed financial management
Stage 5: External Collaboration

- Building consortial digital archives
- Understanding interconnectedness
- Developing national programs
- Developing methods and tools for the matrix (prevent, predict, detect, respond, repair)
- Ensuring a quality control/audit process
Using the Stages

The 5 Stages:

• identify steps for developing an organization’s digital (defines a maturity model)

• provide a way of communicating about digital preservation development

• enable measuring progress towards programmatic digital preservation goals
digital preservation

technology (how?)
organization (what?)
resources (how much?)
Blue Ribbon Task Force (BRTF) on Sustainable Preservation and Access

Recommendations for:
• Scholarly discourse
• Research data
• Commercially owned (e.g., Hollywood)
• Collectively produced (e.g., Web)

Final Report delivered February 2010
BRTF Final Report

Core recommendations:

• Articulate a compelling \textbf{value} proposition

• Provide clear \textbf{incentives} to preserve in the public interest

• Define \textbf{roles} and responsibilities among stakeholders to ensure an efficient flow of resources throughout the digital lifecycle
Cost Models

Appendix C Cost model

Graph 2: Cost of acquisition and preservation of existing e-mail messages

Legend:
1 = Acquire and appraise batch of e-mail,
2 = Necessary metadata,
3 = Repair digital records,
4 = Determine authenticity requirements for batch,
5 = Develop and test the preservation approach,
6 = Perform preservation and assess of e-mails.
Cost Model for Digital Preservation (CMDP)

Model ties costs to OAIS functions and actions.

Danish Royal Library and Danish National Archives
Collaboration to Clarify the Costs of Curation

**Engagement**
*Tasks*
- Engage stakeholders
- Raise awareness
- Organise meetings
- Promote Research & Innovation
- Build community network

**Assessment**
*Tasks*
- Assess cost models & strategies
- Examine good practice
- Analyse requirements
- Integrate components
- Produce guidance & briefing materials
- Setup costs exchange

**Enhancement**
*Tasks*
Examine and refine related concepts
- Value
- Risk
- Benefits
- Sustainability
- Economic Reference Model

**Networking & Coordination**
Affiliate Partners & Stakeholders

**Outputs**
- Reports for General Dissemination
- Curation Costs Exchange
- Reports for European Commission
- Submission of Roadmap to the EC

**JISC Project Coordination**
*Tasks*
- Project meetings
- Project reporting
- EC liaison
- Budget oversight
- Outputs QA