

The slide features the Ohio State University logo at the top center, consisting of a red 'O' with a white outline. Below the logo, the text 'THE OHIO STATE UNIVERSITY' is written in a serif font. A black horizontal bar spans the width of the slide, containing the title 'BASIC CONSIDERATIONS FOR DIGITAL PRESERVATION' in white, bold, sans-serif capital letters. At the bottom of the slide, there is a small red footer with the text 'University Libraries | University Archives | go.osu.edu/archives & go.osu.edu/records'.

The slide has a black header with the Ohio State University logo and name. The main title 'WHERE ARE WE GOING?' is in bold black text. To the left is a 3D white figure holding a large red question mark. To the right is a bulleted list of five questions: 'What is it?', 'Why is it important?', 'When do we?', 'Who does it?', and 'How do we?'. A small OhioDIG logo is in the bottom right corner. The footer text is 'University Libraries | University Archives | go.osu.edu/archives & go.osu.edu/records'.

The slide has a black header with the Ohio State University logo and name. The title 'SO WHAT ARE WE TALKING ABOUT?' is in bold black text. Below the title is a Venn diagram with three overlapping circles. The left circle is purple and labeled 'ANALOG' at the bottom, containing a yellow circle labeled 'PAPER'. The right circle is yellow and labeled 'TECHNOLOGY DEPENDENT' at the top, containing a green circle labeled 'DIGITAL'. The intersection of the two circles is labeled 'ELECTRONIC'. A small OhioDIG logo is in the bottom right corner. The footer text is 'University Libraries | University Archives | go.osu.edu/archives & go.osu.edu/records'.

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EXAMPLE OF DIGITAL TECHNOLOGY DEPENDENCE...

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00000000: 8B 65 6C 6C 6F 20 61 72 65 20 79 6F 75 20 6F 75
00000010: 74 20 74 68 65 72 65 3F
  
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WHAT IS IT?

DIGITAL PRESERVATION:

- a comprehensive set of managed activities that are necessary to provided continued access to digital objects, beyond the limits of media failure or technological change.
- At minimum it should include bit-level preservation.

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PRESERVATION VS. CURATION

DIGITAL CURATION:

- the activity of managing data throughout its lifecycle, ensuring that data are properly appraised, selected, and securely stored, while appropriately maintaining logical and physical integrity and authenticity. Further, the data is made and remains accessible and viable in subsequent technology environments.

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WHY IS IT IMPORTANT?

- System & format obsolescence
- Must collaborate w/non-traditional partners
- Must decide – curating or preserving?
- Out of sight – out of mind...
- Organizational change...





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WHEN DO WE DO IT?

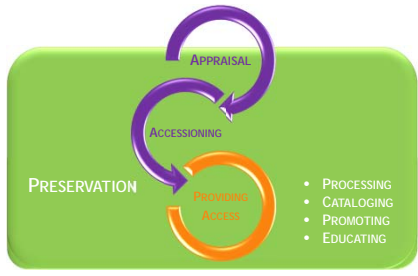
- As soon as possible...
- “bake it into” the digitization and accessioning workflows




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BASIC ARCHIVAL FUNCTIONS



- PROCESSING
- CATALOGING
- PROMOTING
- EDUCATING



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WHO DOES IT?



- Archivist/Curator/Librarian
- IT
- Administration
- Creator/Donor

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HOW DO WE DO IT?

- Policy & organizational commitment...
- Files vs. Objects...
- **OAIS**...
- POWRR Tools...




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5 ORGANIZATIONAL STEPS & 3-LEGGED STOOL...


- Acknowledge
- Act
- Consolidate
- Institutionalize
- Externalize



ADAPTED FROM KENNEY & MCGOVERN 2003

The goal of digital preservation is to maintain the ability to display, retrieve, and use digital material in the face of rapidly changing technological and organizational infrastructures.

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MORE THAN JUST PRESERVING FILES...

Preservation of files **Preservation of Objects**

- Project Folder
 - Tiff01
 - Tiff02
 - Tiff03
 - Tiff04
 - Tiff05
 - Metadata.xls

Archival Objects Folder

Object 1 Object 2

Assets: Metadata, MP4

Metadata: Acquisition and Administrative and Structural and

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BASIC ARCHIVAL FUNCTIONS APPLIED TO OAS

Accessioning Preservation Providing Access

Preservation Planning, Descriptive Info, Data Management, Ingest, Archival Storage, Access, Administration, SIP, AIP, DIP, Search, result lists, online, Metadata

MANAGEMENT

- 1996 Consultative Committee for Space Data Systems – **Magenta Book**
- ISO 14721 in 2002

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POWRR ([HTTP://DIGITALPOWRR.NIU.EDU/TOOL-GRID/](http://digitalpowrr.niu.edu/tool-grid/))

Preserving Digital Objects with Restricted Resources


Tool Grid

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THE POWER PLANT APPRAISAL METAPHOR...



http://www.ndi.us.ca/photos.html

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CONTACT INFO



Dan Noonan
Noonan.37@osu.edu
614.247.2425
320B 18th Avenue Library
175 18th Avenue
Columbus, OH 43210
www.go.osu.edu/records
www.go.osu.edu/archives

University Libraries | University Archives | go.osu.edu/archives & go.osu.edu/records



Dan Noonan's Curation/Forensics/Preservation Resources:

BitCurator <http://www.bitcurator.net/>

Born Digital Archives (AIMS) <http://born-digital-archives.blogspot.com/>

Born Digital Collections: An Inter-Institutional Model for Stewardship (AIMS)
<http://www.digitalcurationsservices.org/aims/>

Born Digital <http://mediacommons.futureofthebook.org/mcpress/borndigital/>

CDL Curation Cost Modeling <https://wiki.ucop.edu/display/Curation/Cost+Modeling>

Center for Archival Resources On Legislatures (CAROL)
<http://www.mnhs.org/preserve/records/legislativerecords/carol/preservation.htm#tools>

CURATECamp <http://curatecamp.org/>

Curator's Workbench <http://www.lib.unc.edu/blogs/cdr/index.php/2010/12/01/announcing-the-curators-workbench/>

DCC <http://www.dcc.ac.uk/>

Digital Preservation Education (State of NC) <http://digitalpreservation.ncdcr.gov>

Digital Preservation Matters <http://preservationmatters.blogspot.com/>

Digital Preservation Policy Framework: A Case Study <http://www.educause.edu/ero/article/digital-preservation-policy-framework-case-study>

Educopia Institute <http://www.educopia.org/publishing>

Engineering the Future of the Past <http://libraries.mit.edu/sites/digital-archives/>

Forensics Wiki http://www.forensicswiki.org/wiki/Main_Page

FRED <http://www.digitalintelligence.com/products/fred/>

iRODS <http://irods.diceresearch.org>

NDSA Levels of Digital Preservation <http://blogs.loc.gov/digitalpreservation/2012/11/ndsa-levels-of-digital-preservation-release-candidate-one/>

OAIS (the Magenta Book) <http://public.ccsds.org/publications/MagentaBooks.aspx>

PARADIGM (Personal Archives Accessible in Digital Media) <http://www.paradigm.ac.uk/>

Preserving Objects With Restricted Resources (POWRR) <http://digitalpowrr.niu.edu/>

The Signal (digital preservation blog) <http://blogs.loc.gov/digitalpreservation/>

Also see Dan's articles in the *Ohio Archivist*, beginning in spring 2012 at
<http://issuu.com/societyofohioarchivists/>