Introduction to Digital Preservation
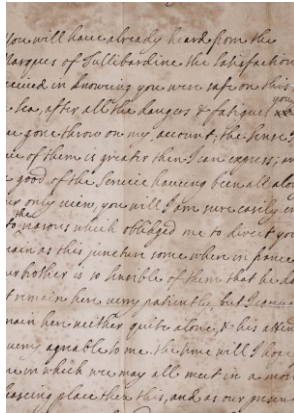
DigitalPreservationCoalition

Traditional Media

- Robust
- Tangible
- Independently understandable
- Well-developed approaches to preservation
- Experienced in assigning value

- Traditional objects are generally quite robust
- They are tangible, we can hold them in our hands
- Are generally independently understandable (if you speak the language they are written in…..)
- We are quite experienced in understanding their worth and assigning value to such objects

Digital Information

- Ephemeral
  - Proliferation
  - Rights
  - Privacy
- Need tech to interpret
- Obsolescence
  - Media
  - Formats
  - Software/Hardware
  - Documentation
- New skills and solutions
- How to estimate value?
- But also new opportunities!

- Digital objects are ephemeral by their very nature
- They very susceptible to obsolescence as they are entirely dependent on the media they are stored on, the accessibility of their file format and often require documentation to use and understand them
- Managing issues such as rights can also be much more difficult, from protecting copyright to ensuring personal data is protected
- They require us to gain new skills to care for them, or for us to work with new groups of colleagues with different skills groups (particularly IT specialists)
- But they do also bring a whole host of new benefits, in particular the ability to make content accessible to users.
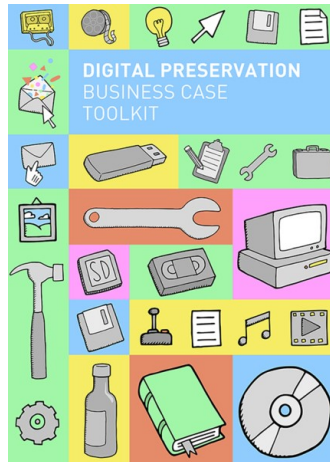
Why We Preserve….

- Legal and Regulatory Compliance
- Increased Efficiency
- New Revenue Streams
- Improving Health
- Protecting the Environment
- Enabling Research
- Documenting Cultural Heritage
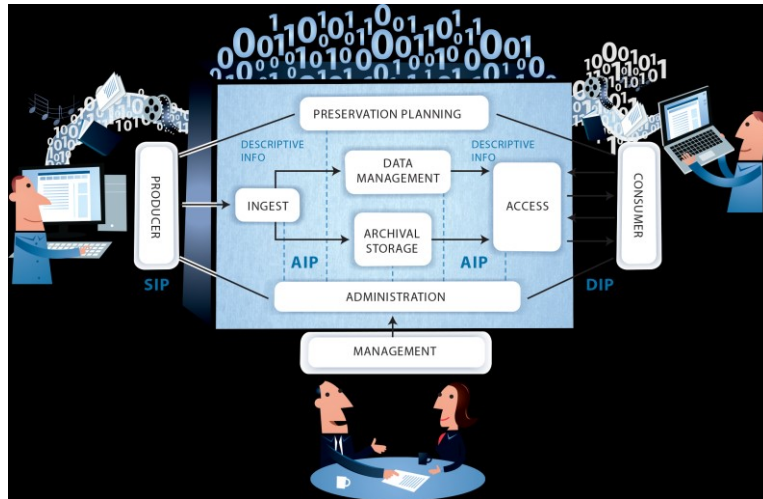- Ensuring Transparency and Accounta[bility]

Turn These Into a Business Case…

DIGITAL PRESERVATION BUSINESS CASE TOOLKIT

http://wiki.dpconline.org/index.php?title=Digital_Preservation_Business_Case_Toolkit

DP Models: OAIS

While it is far from perfect the Open Archival Information System model is one of the keystones of Digital Preservation. In particular it provides much of the terminology used within the field. This diagram represents it's functional model at the highest level. As well as the key functions of an OAIS that it shows (such as Ingest, Preservation and Access) it also includes various information packages. These information packages contain the digital material to be preserved along with its accompanying metadata and within OAIS these exist in 3 different forms across the lifecycle:
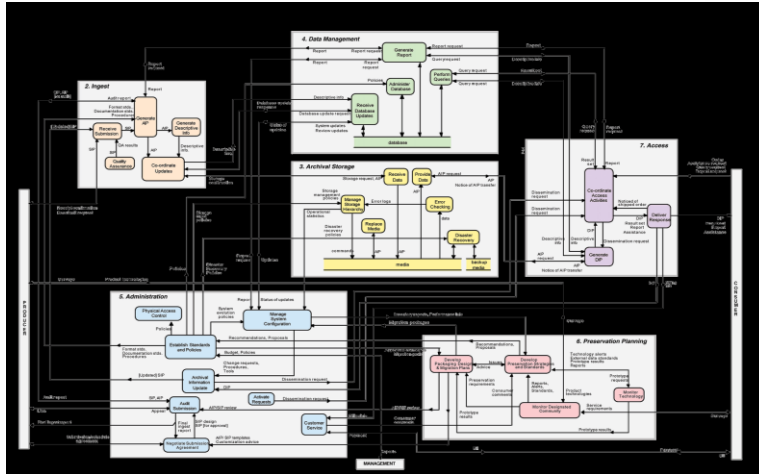
1. The Submission Information Package
2. The Archive Information Package
3. The Dissemination Information Package

To accompany this functional model the OAIS also describes an information model that lays out what types of metadata (specifically called Representation Information in OAIS) should be included in the information packages to facilitate preservation.
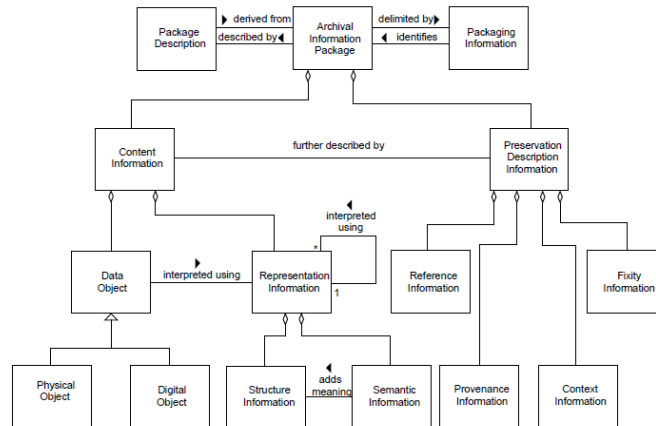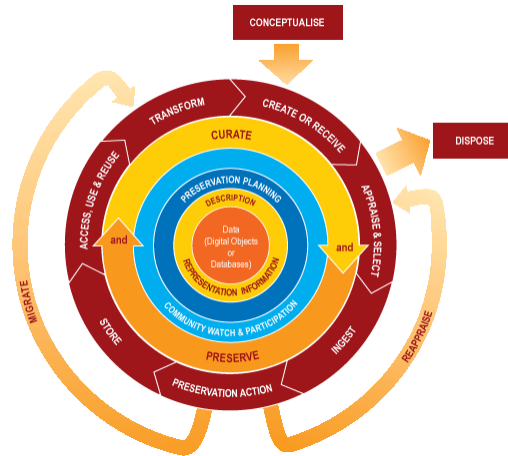
Full OAIS Standard: https://public.ccsds.org/pubs/650x0m2.pdf
Brian Lavoie's Tech Watch Report on OAIS: http://dx.doi.org/10.7207/twr14-02

Where it starts getting really scary...

I've Always Been More Terrified Of...

DP Models: DCC Life-Cycle

http://www.dcc.ac.uk/resources/curation-lifecycle-model

DP Models: Three Legged Stool

http://dpworkshop.org/dpm-eng/conclusion.html
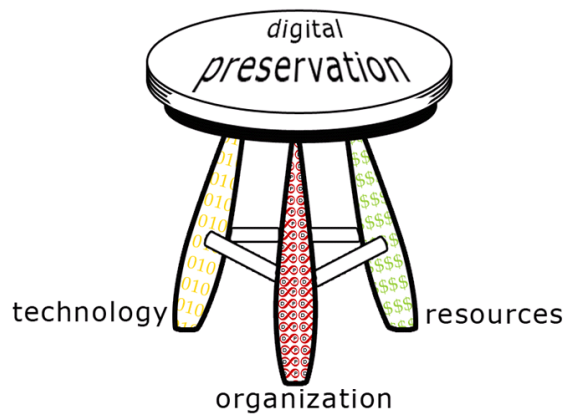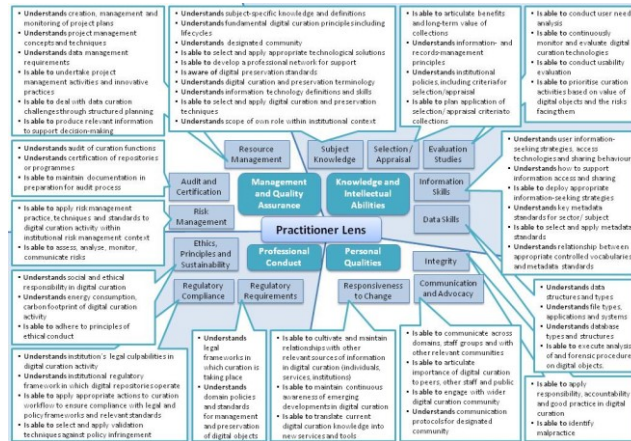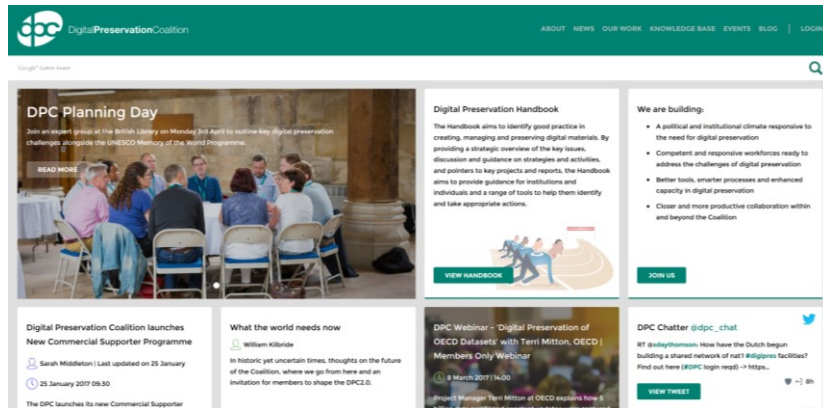
Levels for Training and Development: DPOE

From: 'Training Needs Assessment Survey' (2010). Digital Preservation Outreach and Education (DPOE). Washington DC, US Library of Congress. dpoe@loc.gov

DP Skills: DigCurV

http://www.digcur-education.org/

Digital Preservation Coalition

http://www.dpconline.org

62 members

4 strategic areas

Shiny new website
- Responsive design
- Easier access to resources

Blog and Case Notes

Preservation Planning for Personal Digital Collections by Paul Wilson

Sara Day Thomson
Last updated on 13 January 2017
Personal Archiving Case Note or Case Study

A condensed version of this case note also appears in the Technology Watch Report Personal Digital Archiving by Gabriela Redwine.

Paul Wilson's case note summarizes his attempts to find a suitable preservation planning process and associated documentation to apply to his personal digital collections. Since he could find no preservation planning process appropriate to individuals, he obtained a slide set detailing a simple preservation workflow from the Digital Preservation Coalition, and used that as a foundation on which to establish an approach to the work. This general approach and accompanying documentation was tested and refined on two of his personal digital collections (one of 800 mementos and the other of 17,000 photos). Template documents were then derived from the results.

This case note describes the solutions best suited to Wilson's collections and resources, but the processes he has developed have a wide applicability to any personal or small collections. In the fuller article (which can be downloaded as a PDF below), Wilson narrates his experiences to provide insights into the practical outcomes of using published guidelines and tools for preservation planning. Individuals and small organisations will be able to replicate those actions described here that are relevant to their own situations. They will also be able to compare their own collections and circumstances with those in this case study in order to assess common conditions and challenges. All of the documents, as well as blank templates, are available below.

- Download the Full Text of Case Note
- Download the slides from Paul Wilson's Webinar: 'Preservation Planning for Personal Digital Archives' (pdf)
- Read more to access the Toolkit

Toolset: Preservation Planning for Personal Digital Collections

These documents comprise a Toolset derived from Paul Wilson's trials to discover a preservation planning workflow applicable to his personal collections.

Download the Full Text PDF

Preservation Planning for Personal Digital Collections by Paul Wilson

Related Resources

DPC 12-Step Questionnaire template

Documents from the First Trial – PERS Collection

The following documents (suitably anonymised) were produced in the course of the first trial:

- Important part of all our events
- Peer to peer learning
- Planning Day
- Counting the Bits

Covering a wide range of digital preservation issues
- Tool demos
- Research project updates
- Case studies
- Important resources

E-ARK: http://eark-project.com/
VeraPDF: http://verapdf.org/
TIMBUS: http://timbusproject.net/
4C: http://www.4cproject.eu/
APARSEN: http://www.alliancepermanentaccess.org/index.php/about-aparsen/aparsen-deliverables/
SPRUCE: http://wiki.opf-labs.org/display/SPR/Home

Tech Watch Reports

Preserving Social Media
Sara Day Thomson
DPC Technology Watch Report 16-01 February 2016

Personal Digital Archiving
Gabriela Redwine
DPC Technology Watch Report 15-01 December 2015

http://www.dpconline.org/knowledge-base/tech-watch-reports
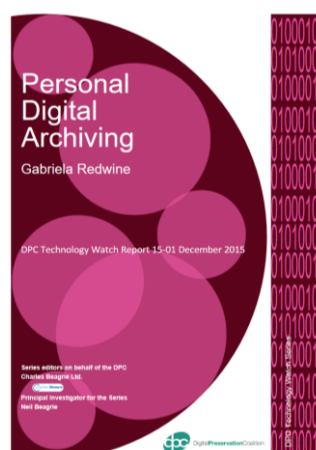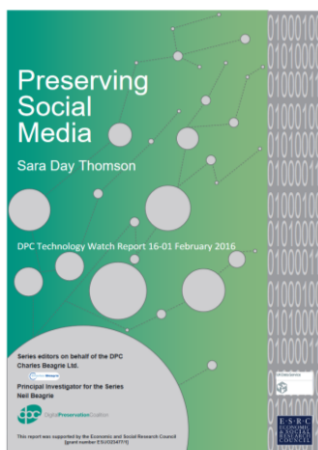
Training Workshops

Getting Started and Making Progress: http://www.dpconline.org/events

Short videos of GS online via the Handbook: http://dpconline.org/handbook/getting-started

Digital Preservation Handbook

http://dpconline.org/handbook