



Introduction to Digital Preservation

Sponsored by the European Commission Directorate for Information Society



What you need to know:
It won't go away
It won't do itself

three + three + ten

William Kilbride
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and processes

Digital Preservation: a series of **managed activities** necessary to ensure **continued access** to digital materials for **as long as necessary**. It refers to all of the actions required to maintain access to digital materials beyond the limits of **media failure** or **technological change ...**

- Long-term - Continued access to digital materials, or at least to the information contained in them, indefinitely.
-
- Medium-term - Continued access to digital materials beyond changes in technology for a defined period of time but not indefinitely.
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- Short-term - Access to digital materials for a defined period of time while use is predicted but which does not extend beyond the foreseeable future and/or until it becomes inaccessible because of changes in technology.

Digital preservation typically makes bleak reading 1 ...

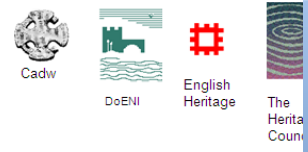


ads ARCHAEOLOGY DATA SERVICE

Digital Archives

Strategies for Digital Data

Findings and Recommendations from Digital Data in Archaeology: A Survey of User Needs



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Digital Archives

In short, the archaeological record could be decaying faster in its digital form than it ever did in the ground

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Digital Archives

The present state of digital archiving in

The popularity of certain storage options

Storage Option	Percentage
Hard disc	28%
Floppy disc	23%
Tape	22%
CD-ROM	14%
Network	13%

Digital preservation typically makes bleak reading 2 ...



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Let's start again:

- Digital objects (software, simulation, services, tools, documents etc) have value
- They create opportunities
- ...but...
- Access depends on software, hardware and people
- Software, hardware and people change
- ...therefore...
- Technology can create barriers to reuse
- So, managing technology in the long term **protects and creates opportunities**

Let's be clear about this:

- Digital preservation is not just about 'data':
- Digital preservation is not just about 'access':
- Digital preservation is not just about 'risk':

**it's about people
and opportunity**

So digital preservation is about



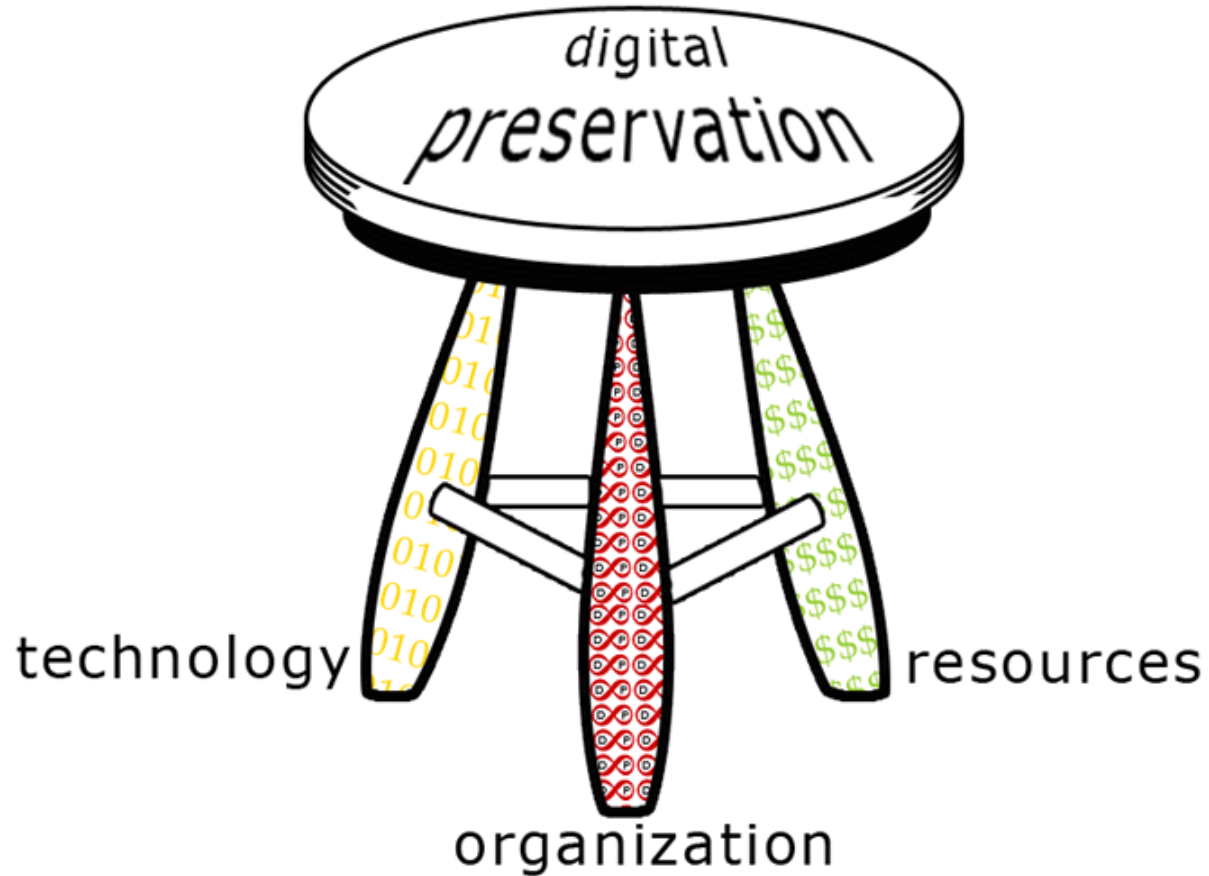
**Healthier,
Wealthier, Safer
Smarter, Greener**

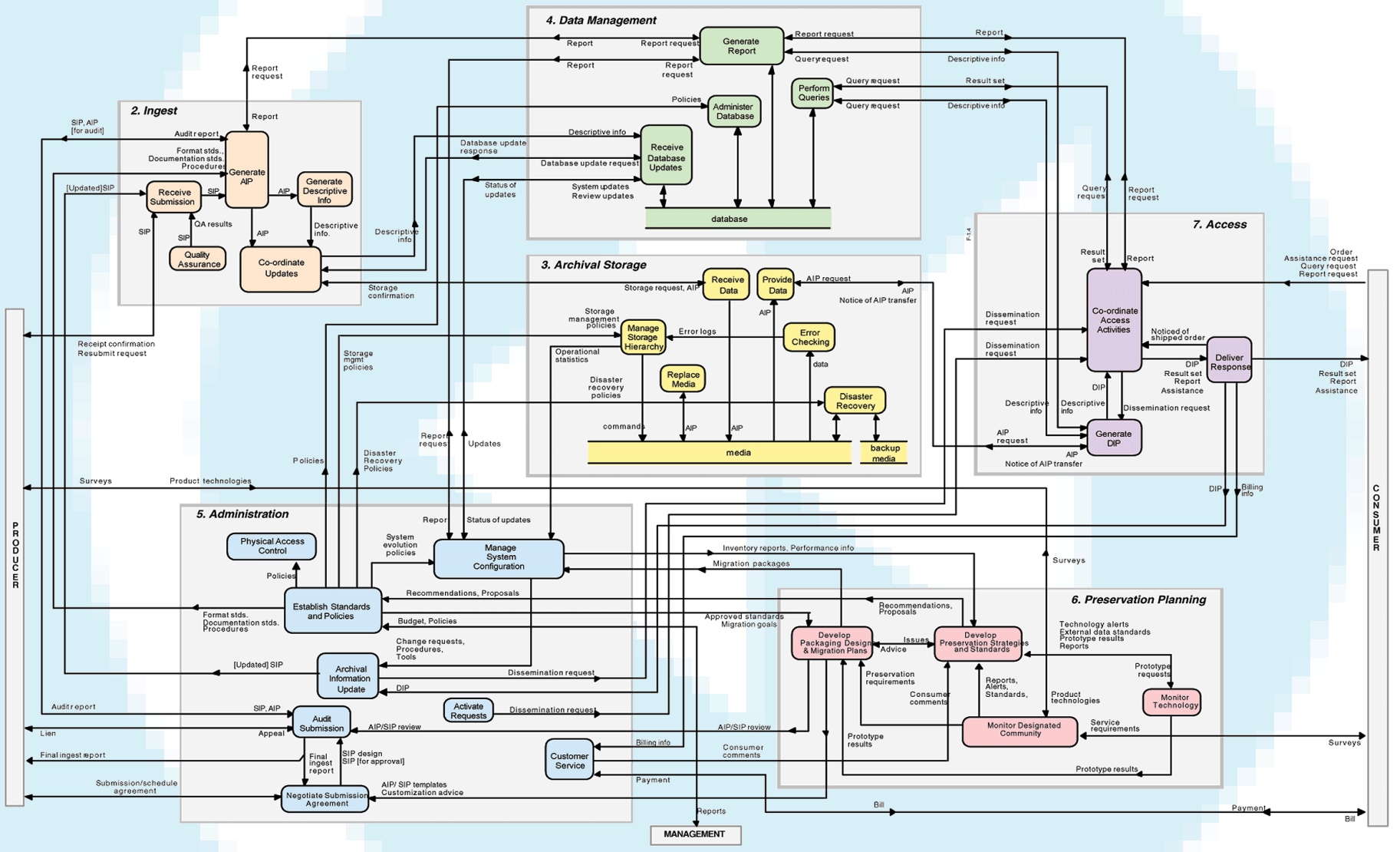
people and communities and enterprises

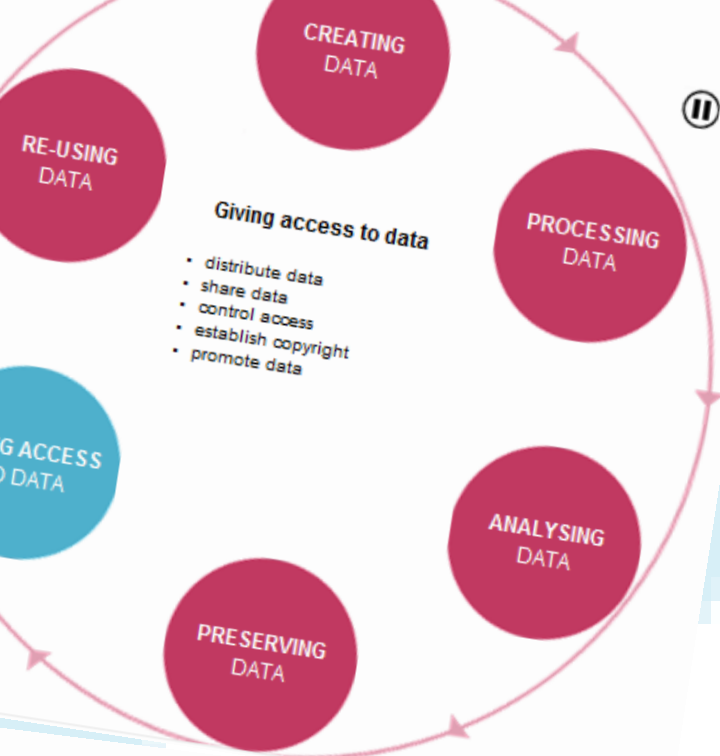


Three ways to think about DP

Nancy McGovern and colleagues







Digital lifecycles

William's research lifecycle:

Think of a question

Gather some data

Process the data

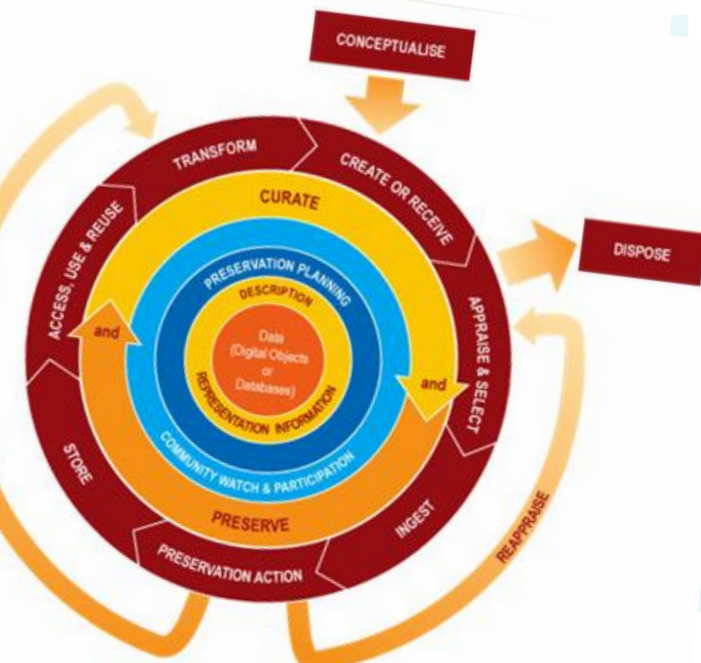
Refine the data

Draw some conclusions

Publish your findings

Publish your data

Start again



What have we learned?

1. There is a very great need *and opportunity*
2. Emulate? Migration? Both? Neither?
3. Measuring failure is easier than measuring success
4. What does success look like and how will we recognise it?
5. The problem is tractable
6. Some of the problems we thought were problems are not
7. Close relationship to risk and corporate risk management
8. Technology alone is not going to be sufficient
9. Some elements are shared, some elements are very specific
10. Spending a(nother) decade thinking up and debating fancy words will not solve the problem

TIMBUS Digital Preservation Crash Course



9:00 – 9:30	Introduction to Digital Preservation	William Kilbride
9:30 – 9:45	OAIS	William Kilbride
9:45 – 10:00	Premis	Angela Dappert
11:00 – 11:20	TRAC and Certification	William Kilbride
11:20 – 11:40	DRAMBORA and Risk assessment	Angela Dappert
11:40 – 12:00	Q+A and Discussion	All
12:05 – 12:45	What people <i>actually</i> do	Angela Dappert
12:45 – 12:50	Current themes <ul style="list-style-type: none"> - Migration, emulation and bit preservation - Automation and scalability - Capacity building and policy 	William Kilbride
12:50 – 13:00	Discussion and Questions	All





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