Understanding the true costs of Digital Preservation: LIFE³

Brian Hole

LIFE³ Project Manager The British Library

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What is LIFE?



What is LIFE?

Life cycle

nformation

For

E-Literature

Modeling the costs of preserving digital resources over time

LIFE stakeholders







- Medium to large libraries
- Higher Education and other research organisations
- Other memory institutions (i.e. archives and museums)

LIFE³ Dilemmas

- Approaches to digital preservation
 - Is it more cost effective to preserve physically or digitally?
 - How many items should be digitised without overspending?
 - Could outsourcing save the organisation money?
 - What are the true costs of digital preservation over time?
- Approaches to technology
 - What combination of sites and storage technologies offer the right combination of security, access and affordability?
 - What are the true costs of maintaining a digital preservation infrastructure over time?

The LIFE² model

Lifecycle Stage

Lifecycle Elements

Creation or Purchase
Digitisation

Acquisition	Ingest	Bit-stream Preservation	Content Preservation	Access
Selection	Quality Assurance	Repository Admin	Preservation Watch	Access Provision
Submission Agreement	Metadata	Storage Provision	Preservation Planning	Access Control
IPR & Licensing	Deposit	Refreshment	Preservation Action	User Support
Ordering & Invoicing	Holdings Update	Backup	Re-ingest	
Obtaining	Reference Linking	Inspection	Disposal	
Check-in				

LIFE³: Estimating preservation costs

■ LIFE³:

- Aim: to develop the ability to estimate preservation costs across the digital lifecycle
- The project is producing:
 - A series of costing models for each stage and element of the digital lifecycle
 - An easy to use web-based costing tool
 - Support to enable easy input of data
 - Integration to facilitate use of the results

LIFE³: case studies

- Book digitisation
- E-Journals
- E-Prints
- Manuscript digitisation
- Newspaper digitisation
- Sound Archiving
- Web Archiving
- Higher Education Repositories
- Small Medium Large, Low Medium High Quality







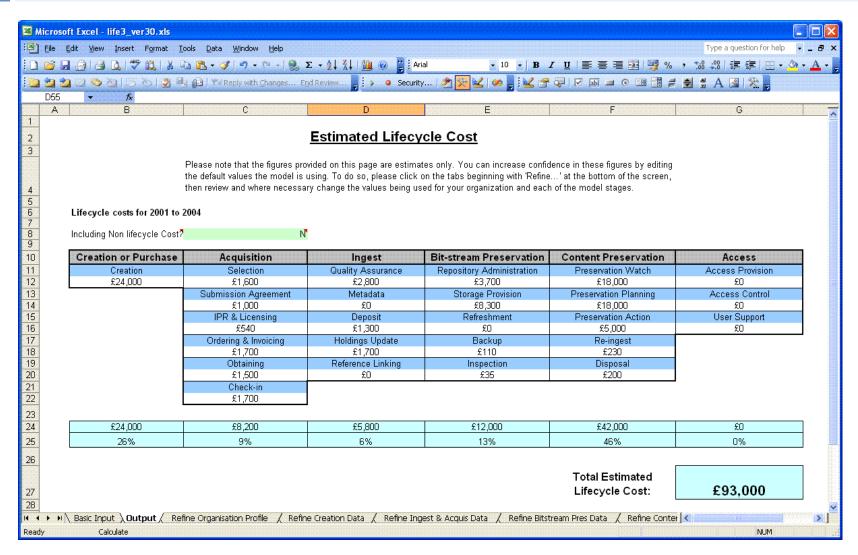




LIFE³: template approach

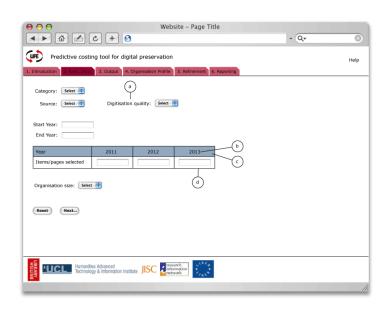
- Default data for typical content and organisational profiles
- Detailed inputs, specific outputs
- Lower barrier of access
- Custom profiles

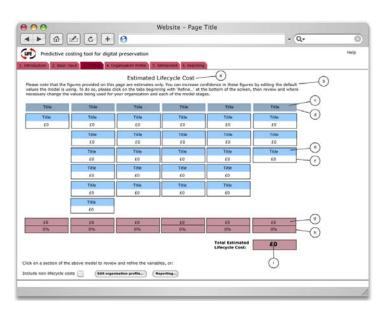
LIFE³: Excel model



LIFE³: web-based tool

- We are currently designing a web-based version of the tool with HATII
- Wider availability
- More accessible: quicker and easier to use

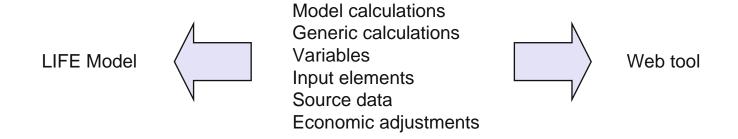






LIFE³: web-based tool - maintainability

- A specification interface describes the model
- Allows for non-expert maintenance of the tool



LIFE³: Issues and trends

Issues

- Tools need to be compatible to offer the greatest value
- Flexibility is required as not all assumptions made about digital preservation 10 years ago are proving true

Trends

- With good planning, digital preservation may be more stable than initially anticipated
- Libraries increasing their focus on access

Thank you!

- http://www.life.ac.uk
- brian.hole@bl.uk

