European integration: conditions and challenges for libraries, 3 au 7 juillet 2007
36e congrès LIBER

How much does it cost? The LIFE Project

DAVIES, Richard
LIFE² Project Manager – The British Library

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Disponible sur : <http://www.enssib.fr/bibliotheque-numerique/notice-1287>

How much does it cost?

The LIFE Project

LIBER 2007

Richard Davies
LIFE^2 Project Manager
The British Library

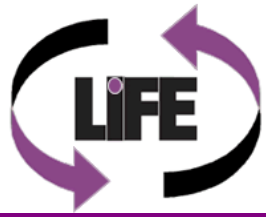
5th July 2007

LIFE: Lifecycle Information for E-literature

- JISC funded joint project between UCL and BL

Project phases:

- LIFE[1] (12 months)
- LIFE[2] (18 months)



What is LIFE?

- "This is the tool that everyone wants but nobody has" Lee Dirks, Microsoft (2007)

- LIFE has developed a Lifecycle model specifically to estimate the cost for digital preservation activities.

- LIFE can calculate the costs of preserving digital information for the next 5, 10 or 100 years

LIFE answers the question:

What is the long term cost of preserving digital material?

LIFE[1] project

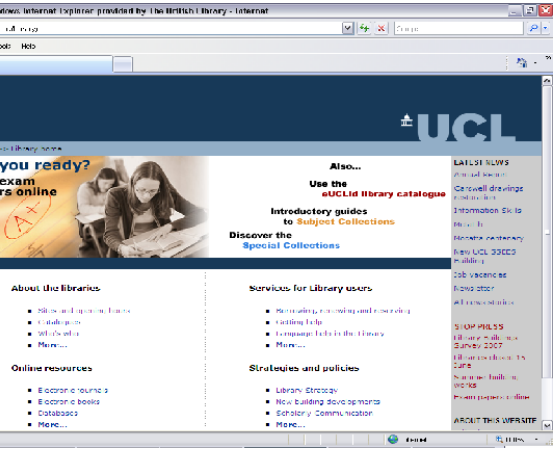
1. Comprehensive Literature Review
2. Development of an economic Lifecycle Model
3. Generic Preservation Model
4. Diverse Case Studies
5. International Conference and Report

LIFE[1] Case Studies

Web Archiving

eJournals

Voluntary deposit



What is the LIFE Model?

= the complete Lifecycle cost over time T

The LIFE Model - Acquisition

$L_T = Aq$

Example (Year 5):

Hand-held Monograph

£0.00

- **Aq1 Selection**
- **Aq2 IPR**
- **Aq3 Licensing**
- **Aq4 Ordering & Invoicing**
- **Aq5 Obtaining**
- **Aq6 Check-in**

The LIFE Model - Ingest

$$L_T = Aq + I_T$$

 Example (Year 5): Hand-held Monograph	**£4.50**

The LIFE Model - Metadata

$$L_T = Aq + I_T + M_T$$

 Example (Year 5): Hand-held Monograph	**£2.25**

The LIFE Model - Access

$$L_T = Aq + I_T + M_T + Ac_T$$

 Example (Year 5): Hand-held Monograph	**£0.00**

The LIFE Model - Storage

$$L_T = Aq + I_T + M_T + Ac_T + S_T$$

	Example (Year 5): Hand-held Monograph	**£3.15**

The LIFE Model - Preservation

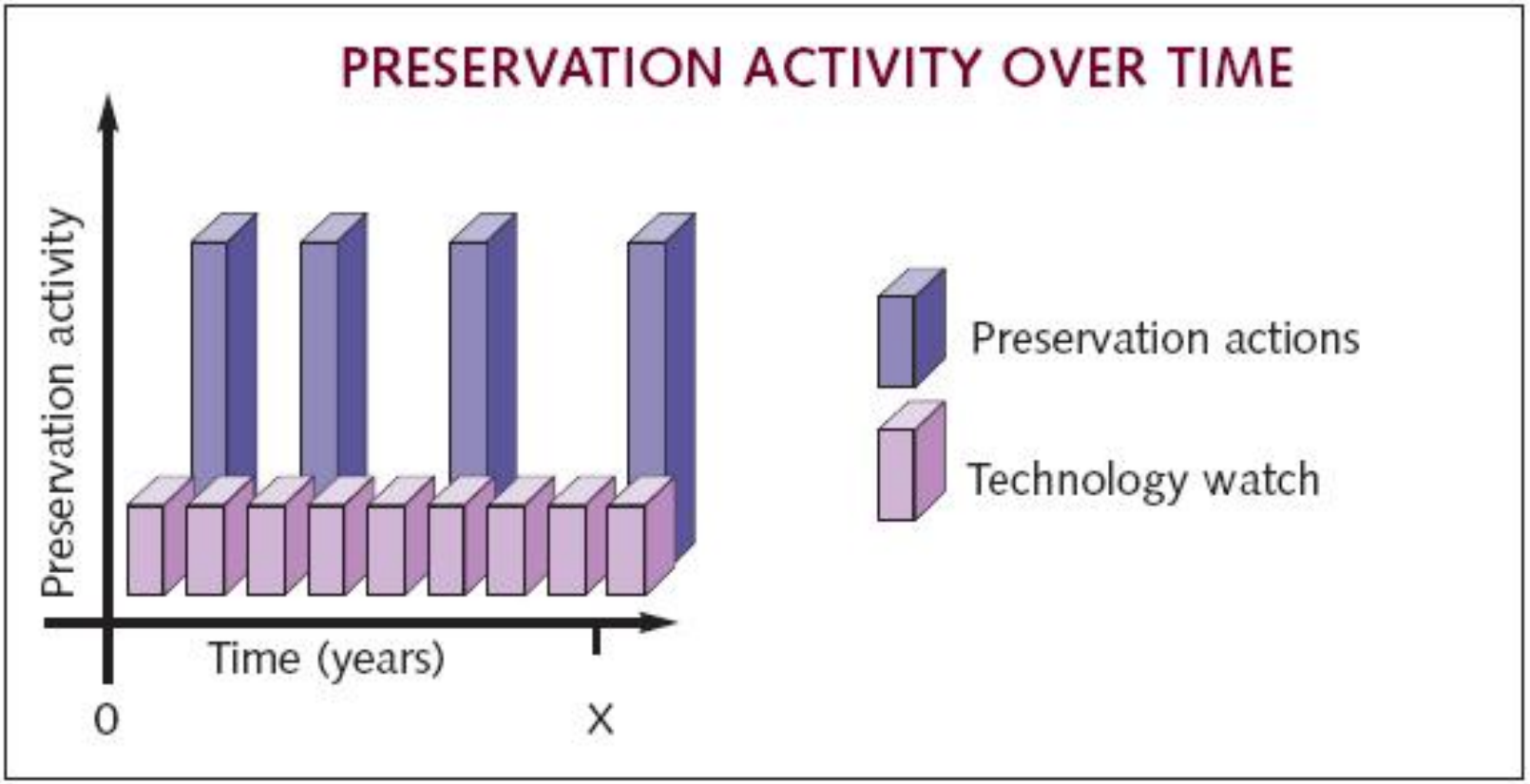
$$L_T = Aq + I_T + M_T + Ac_T + S_T + P_T$$

Example (Year 5):

Hand-held Monograph

£0.33

Generic LIFE Preservation Model



The LIFE Model

$$L_T = Aq + I_T + M_T + Ac_T + S_T + P_T$$

$$L_T = £0.00 + £4.50 + £2.25 + £0.00 + £3.15 + £0.33$$

Example (Year 5):

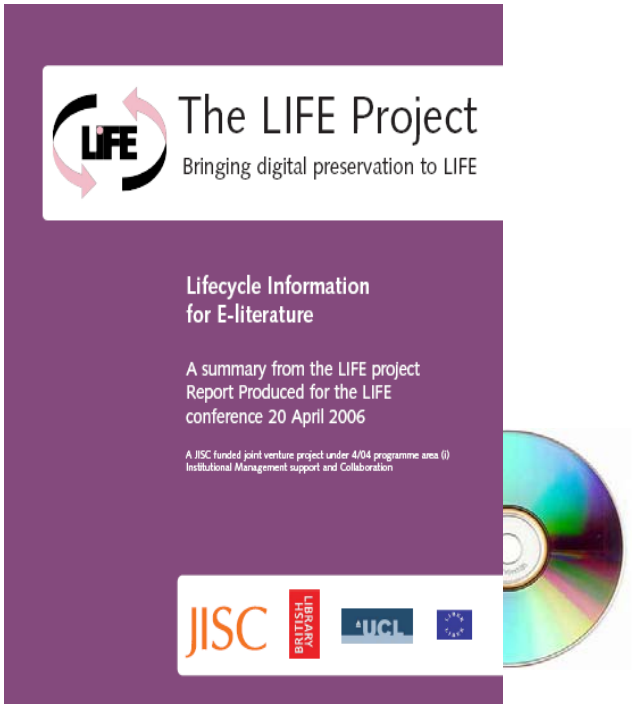
Hand-held Monograph

Total Cost in Year 5 = £10.23

However….

Future development needed:

1. Further testing of the model
2. Wider collaborative work



LIFE – Phase 2

LIFE^2

LIFE^2 Overview

- Funded by the JISC under the Digital Repositories Programme 06
- 18 month project (Feb 2007 to Aug 2008)
- Expand and review LIFE^1
- 5 Work Packages

LIFE^2 Work Packages

- WP1: Validation of the models
- WP2: Repository Case Studies
- WP3: Primary data
- WP4: Digitisation
- WP5: Pulling together the threads

LIFE^2 Work Packages

- WP1: Validation of the models
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LIFE^2 Case Studies

SHERPA-LEAP	SHERPA-DP	Medical Research Council	Burney Collection
WP2	**WP2**	**WP3**	**WP4**

LIFE^2 Work Packages

- WP1: Validation of the models
- WP2: Repository Case Studies
- WP3: Primary data
- WP4: Digitisation
- WP5: Pulling together the threads

Benefits of LIFE

- More effective planning for future preservation activities
- Comparison of digital lifecycles across or between organisations
- Funding bodies can better address what would most benefit from investment
- Predictive future cost of digital preservation

Who benefits?

- Government
- National Libraries & Archives
- HE Institutions

Why is LIFE important?

- The cost of digital preservation has never been tackled fully and yet has a massive impact
- No-one is focusing on the impact of both traditional and digital lifecycles
- LIFE has already started to be embedded, moving from research to implementation

Dissemination

- LIFE International Conference
  - Project Summary
  - Project Report
- LIFE Website
  - All project data available
  - Over 3000 downloads

Further Information: LIFE Website

www.life.ac.uk

Literature Review	LIFE[1] Project Report	Latest LIFE[2] News	Slides

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Thank you.

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