

From Parchment to Podcasts

Case Study 2: Practical approaches to digital preservation at the Parliamentary Archives

**Digital Preservation - The Planets Way
9-11 February 2010**

Who are we?



Who are we?



All Mail Folders

- [-] Mailbox - BROWN, Adrian
 - Deleted Items (5)
 - Drafts
 - [+] Inbox
 - Junk E-mail
 - Outbox
 - Sent Items
- [-] Search Folders
 - For Follow Up
 - Large Mail
 - Unread Mail
- [+] Archive Folders
- [-] Mailbox - Archives
 - Drafts [6]
 - Inbox2
 - Sent Items

23 Apr 2009 : Column 1597

House of Lords

Thursday, 23 April 2009.

11 am

Prayers—read by the Lord Bishop of Southwark.

Health: Tuberculosis

Question

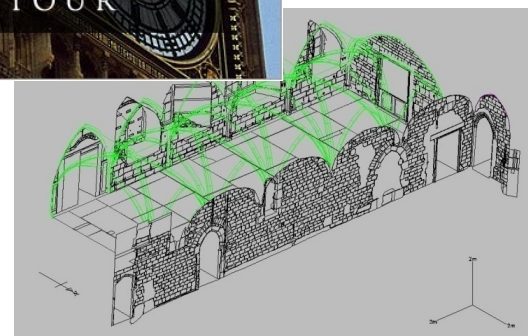
11.06 am

Asked By **Baroness Sharples**

To ask Her Majesty's Government what measures they are taking to combat the spread of tuberculosis in the United Kingdom.

Baroness Thornton: My Lords, the Government are committed to tackling TB, and in 2004 the Chief Medical Officer for England published an action plan. Our key strategy is early detection and completion of treatment. To implement this, we launched an information pack designed to help NHS commissioners secure best services to meet local needs, and we are funding an awareness-raising programme for the public and professionals to help earlier identification of TB.

Baroness Sharples: My Lords, I thank the noble Baroness for that Answer. Does she agree that one in three of the world's population is infected with latent TB? Why are there not sufficient funds to do a blood test on people with possible latent TB, a test which costs only £30 whereas treatment of drug-resistant TB costs £60,000 per patient?



Parliamentary
Archives



Objectives

- Preserve Parliament's digital memory
 - Support the work of Parliament
 - Support public access and accountability
 - Avoid reputational damage and support business continuity
 - Avoid wasteful expenditure
- Contribute to wider digital preservation developments



Building a digital repository

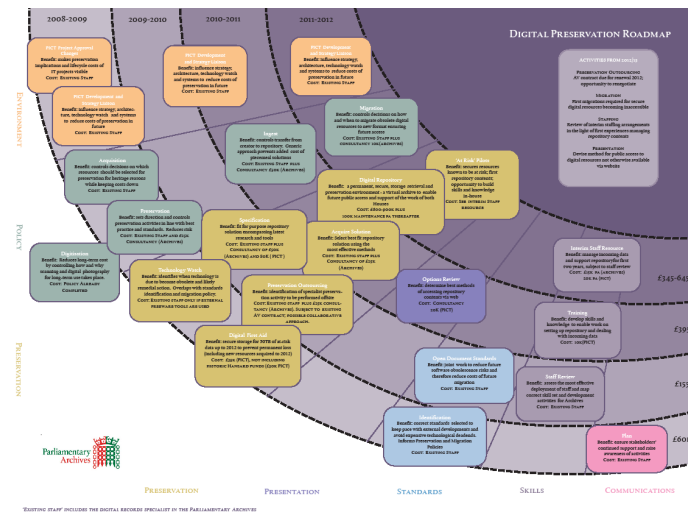
Audit report

- Analysis of Parliament's digital resources
- Identification of resources at risk
- Preservation options analysis
- Market survey
- Outline costs and timetable



Our approach: roadmap to 2012

- Workstreams:
 - Policies & standards
 - Digital repository
 - Preservation Planning
 - Storage
 - Pilots
 - Skills
 - Communications



Strategy and roadmap

- Strategy
- www.parliament.uk/documents/upload/DIGITAL%20PRESERVATION%20STRATEGY%20final%20public%20version.pdf
- Roadmap
 - www.parliament.uk/documents/upload/Strategy%20Road%20Map%20final%20public.pdf

Business case

- Focused on:
 - Risks and benefits
 - Costs and savings
- Digital asset register



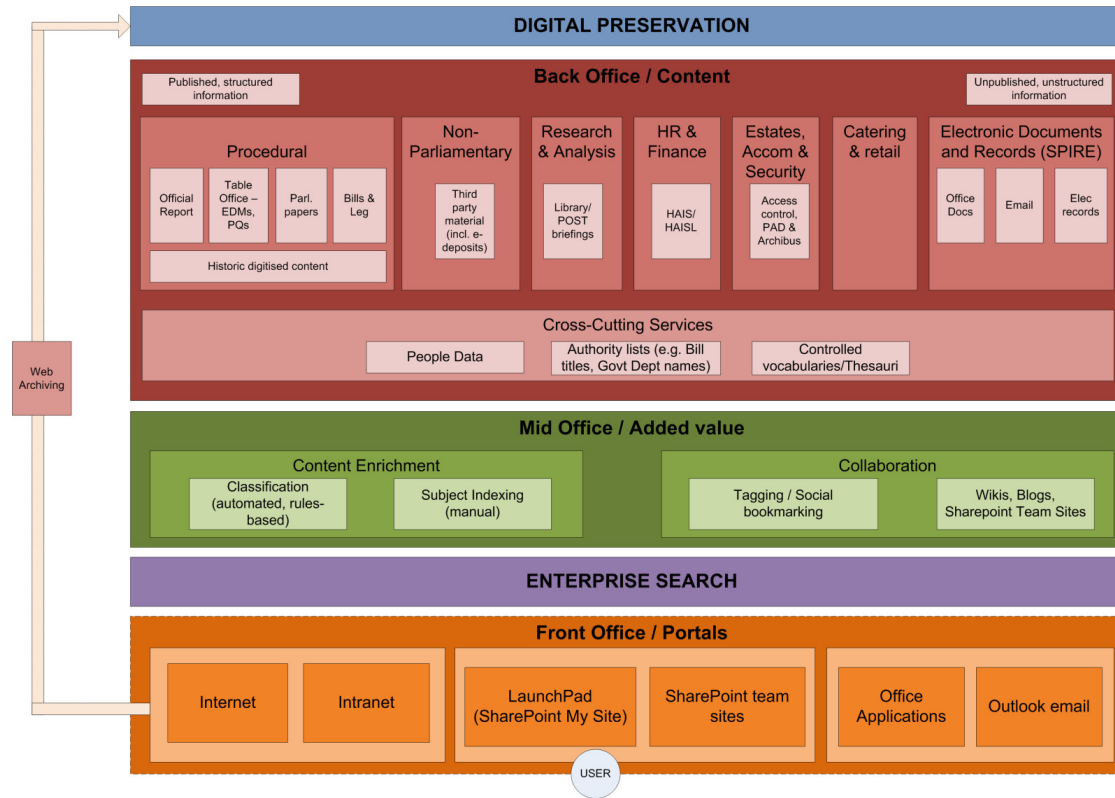
Digital asset register

- Costs:
 - Recreation
 - Rescue
 - Initial investment
- Risks:
 - Probability (% of asset predicted to be lost)
 - Impact (severity of damage caused by loss)
 - Proximity (timeframe within which loss is predicted)
- Profile of avoided costs

Developing our policies

- Digital Preservation Policy
 - www.parliament.uk/documents/upload/DigitalPreservationPolicy1.0.pdf
- Collection & Acquisition Policy
 - www.parliament.uk/documents/upload/ArchivesAcquisitionPolicy09.pdf

Enterprise Architecture



Understanding and shaping the information environment

- Needs assessment
 - www.parliament.uk/documents/upload/Initial%20preservation%20needs%20assessment.pdf
- Decision tree
 - www.parliament.uk/documents/upload/Digital%20preservation%20decision%20tree.pdf
- *Technology standards catalogue*
- *Technology watch process*



`First aid`

- Digitised images on CD
- Digitised images in proprietary software
- Digitised audio and video
- Historical website snapshot

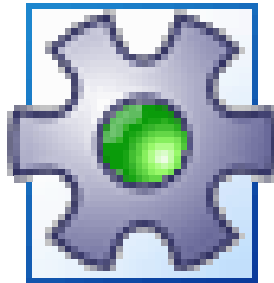
Our strategy

- Provide a bitstream preservation facility
- Develop a preservation planning facility
- Prioritised implementation of logical preservation services
- Maintain the original and a current access copy



Understanding our requirements

- Characterising what we have:
 - Metrics for Office documents
 - Structured interviews
 - Automated tools:
 - *Treesize*
 - *DROID*



Understanding our requirements

- Requirements workshops
- Review of other organisations' requirements
- External peer review
- Outcome: Formal statement of requirements

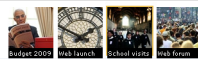


Pilots

- Enable us to:
 - Start exploring specific issues
 - Techniques
 - Types of content
 - Identify likely costs
 - Get our hands dirty

Welcome to the United Kingdom Parliament

Features on the Parliament website



Autumn school visits to Parliament

Call to book a school visit to Parliament for the autumn term 2009 - phone lines will open at 9am on 29 April



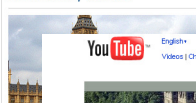
What's On | Parliamentary News | Topical Issues | Bills and Legislation

Latest news from the House of Commons and House of Lords



Local Democracy Bill: report stage
Local government and development - Lords completes

Parliamentary Business



YouTube English
Videos | Channels | Community | Upload



Videos | Playlists | Groups | Subscriptions

facebook

Sign Up UK Parliament is on Facebook Sign up for Facebook to connect with UK Parliament.



UK Parliament

Wall Info RSS/Blog FriendFeed Events Boxes

UK Parliament Just Fans

UK Parliament We've redesigned the Parliament website - <http://www.parliament.uk/> - have a look and let us know what you think <http://is.gd/H7Q2>
08 April at 06:41

Keeping an eye on debating time, and the images we have there pages are all Parliamentary copy

Information

Location:
UK Parliament
London, United Kingdom
Phone:
Parliamentary Switchboard
3000

Fans

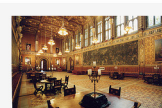
flickr

Home The Tour Sign Up Explore

UK Parliament Sets

Royal Gallery

Thumbnails Detail Comments



5 photos | 61 views

Items are from between 25 Jul 2008 & 02 Apr 2009.

Feed - Subscribe to the set "Royal Gallery"

You Sign in Create Your Free Account
Explore Places Last 7 Days This Month Popular Tags The Commons Creative Commons Search
Help Community Guidelines The Help Forum FAQ Sitemap Help by Email

Flickr Blog About Flickr Terms of Use Your Privacy Copyright/Policy Report Abuse

YouTube company

Hey there! UKParliament is using Twitter.

Twitter is a free service that lets you keep in touch with people through the exchange of quick, frequent answers to one simple question: What are you doing? **Join today** to start receiving UKParliament's updates.

Join today!

Already using Twitter? Both your phone? [Click here.](#)

UKParliament

Reading transcript of this morning's energy in the

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Name UK Parliament
Location Westminster, London
Web <http://www.parliament.uk>
Be keeping an eye on government, debating laws, sponsoring bills. This official Twitter feed is produced by the web team in Parliament.

5,604 5,741
Following followers

Updates 906
Favorites



UK Parliament Labs

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UK PARLIAMENT TWITTER

UKParliament: Twitter

Parliament Tweetminster widget

17/04/2009 in Social-networking, twitter | Tags: tweetminster, iframe, widget | by Alister Reid | No comments

We worked with the good folks from Tweetminster recently to put together a custom iFrame widget that we could use on the Parliament website.

This involved styling the widget Tweetminster already make available so that it fitted with the look of our new redesign, and specifying what Twitter feeds it would use. We wanted the widget to be 'Parliament on Twitter' - so it uses our own @ukparliament feed, any MPs or Peers that use Twitter (are there any Peers using Twitter yet?), but no parliamentary candidates, government departments or political parties.

The hope is that using this widget will further promote how Parliament and its Members are trying to engage with social media tools and with the public. During recess it should also give an insight into the work of MPs in their constituencies. Although, we have included a disclaimer because the Web Centre team is responsible only for the content of @ukparliament updates, not



Web Archiving Pilot

- Crawling and hosting provided by European Archive
- Snapshot taken June-July 2009
 - 35 sites and sub-domains
 - 8.8 million pages
 - 500 GB data
- Future:
 - 3 year contract
 - 3 crawls per year



Future pilots

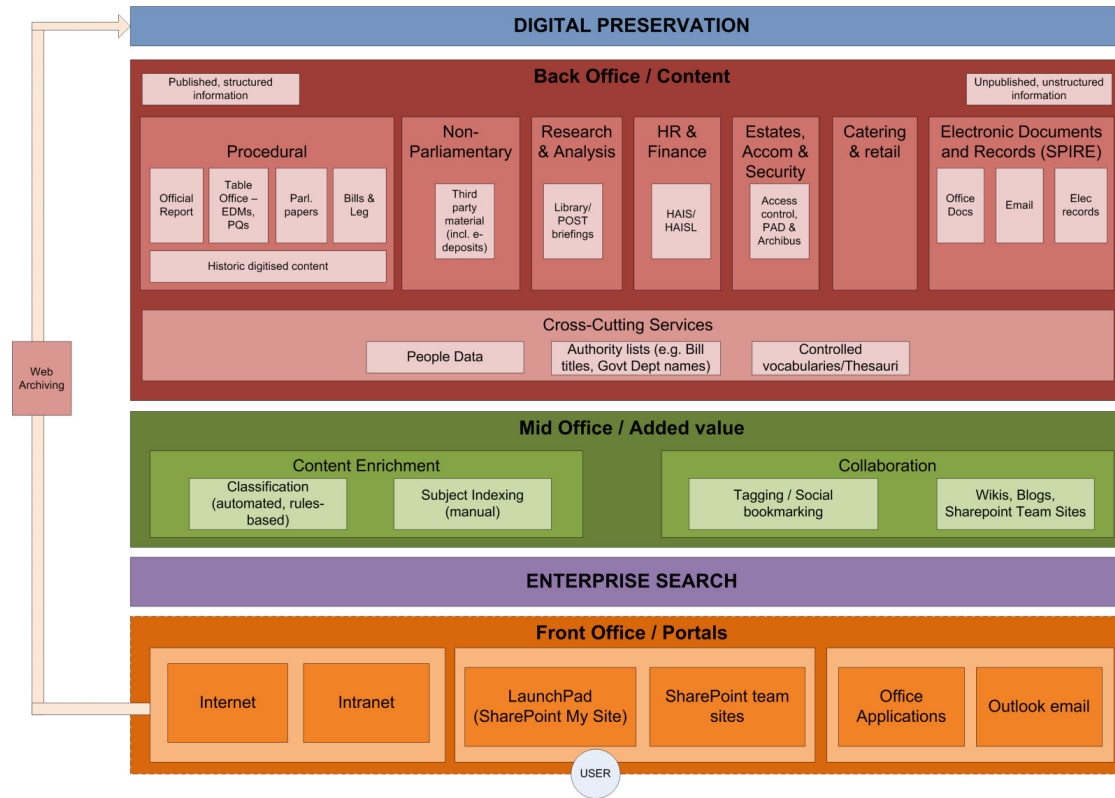
- Electronic committee evidence
- e-Deposited Papers
- Electronic Records Management Systems
- Audio-visual archives



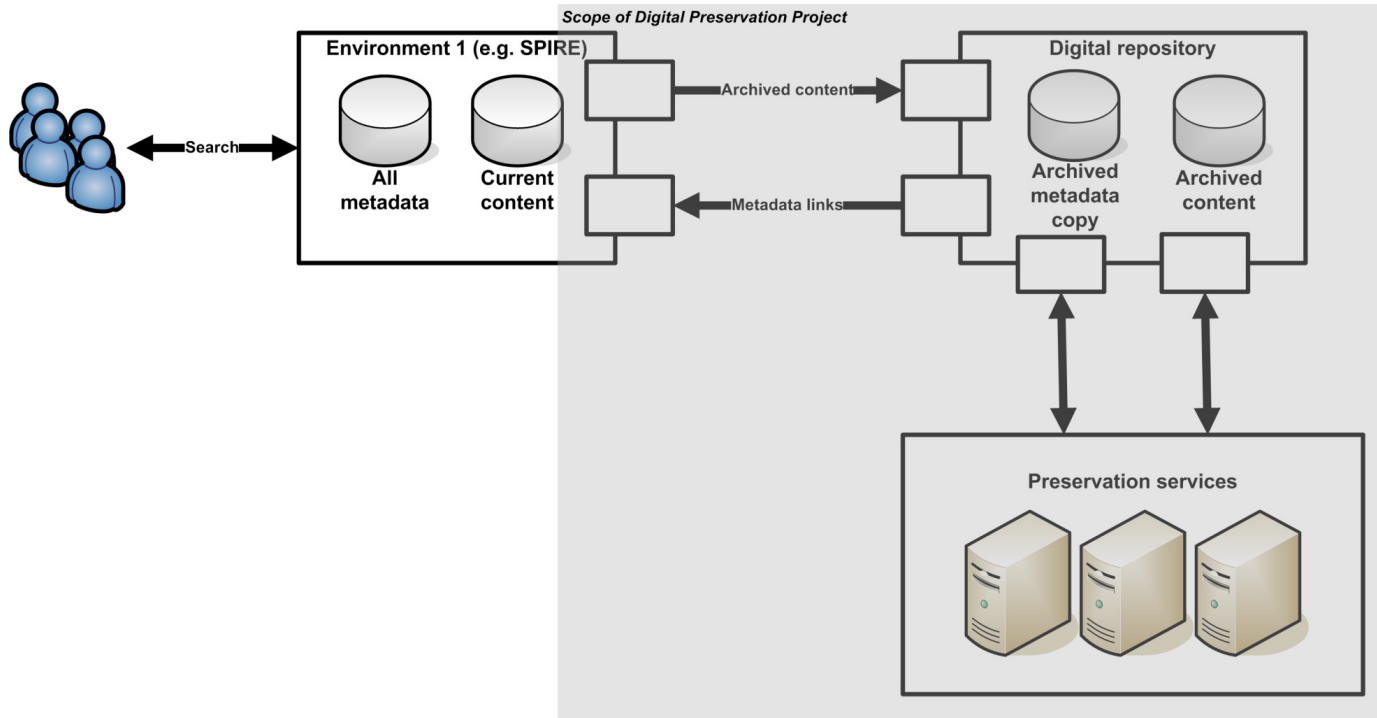
Digital Preservation Lab

- Evaluating tools
- Testing preservation strategies
- Carrying out first aid

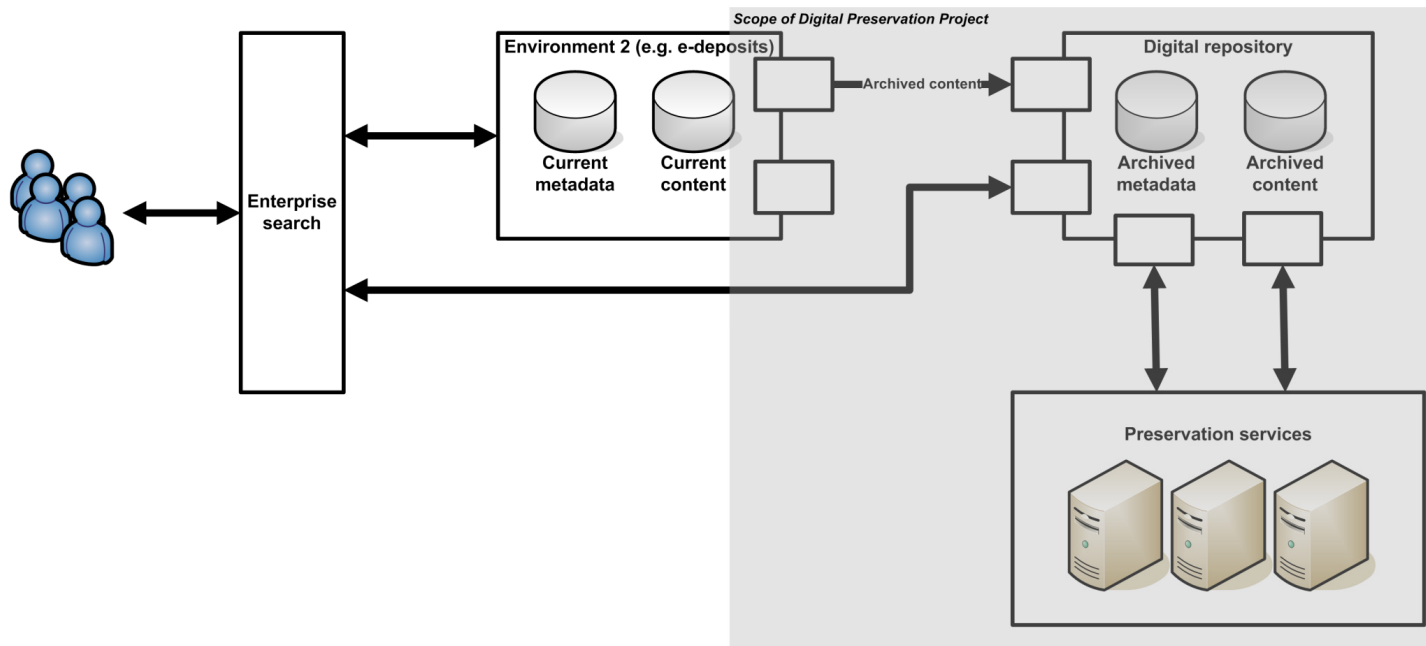
Enterprise Architecture



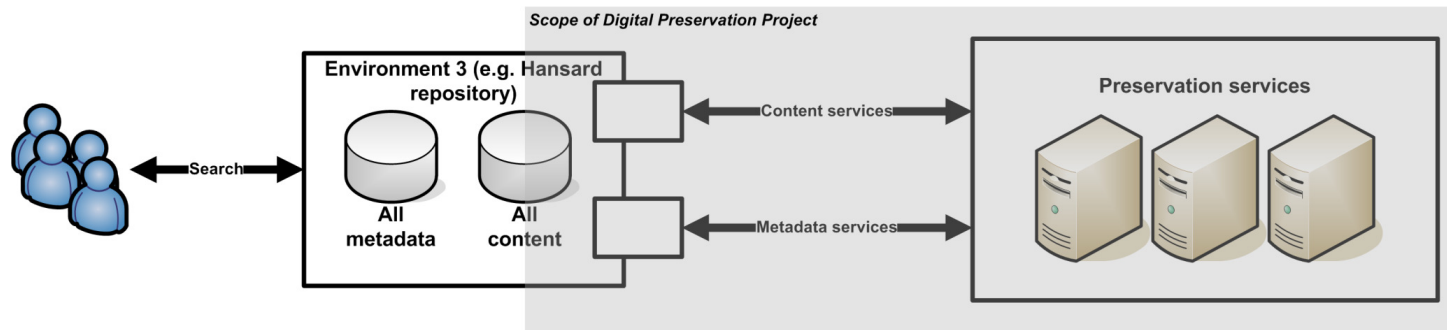
Architectures



Architectures



Architectures



Preservation services

- Bitstream preservation
- Logical preservation
 - Characterisation
 - Preservation planning
 - Preservation action
- Provided by:
 - Third-party services
 - Third-party tools
 - In-house tools

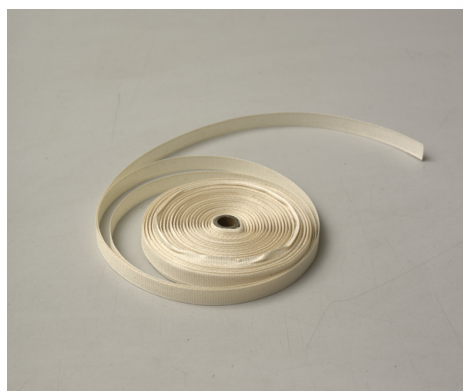
Working with others



Staff skills

- Review existing skills and capacity
- Identify requirements
- Gap analysis and training, development and recruitment plan

Traditional preservation skills



Digital preservation skills



89 50 4E 47	0D 0A 1A 0A	00 00 00 0D	49 48 44 52	PNG		IHDR
00 00 08 E0	00 00 06 A8	08 02 00 00	00 AF 57 A1			W
C8 00 00 00	09 70 48 59	73 00 00 1B	AF 00 00 1B	pHYs		
AF 01 5E 1A	91 1C 00 00	0A 39 69 43	43 50 50 68	^	9iC	CPPh
6F 74 6F 73	68 6F 70 20	49 43 43 20	70 72 6F 66	ot o s h o p	ICC	prof
69 6C 65 00	00 78 DA 9D	96 77 54 54	D7 16 87 CF	i l e	x	wTT
BD 77 7A A1	CD 30 D2 19	7A 93 2E 30	80 F4 2E 20	wz	0	z . 0



Communications

- Internal
 - Seminars and workshops
 - Email newsletters
 - Staff magazines
 - Intranet
 - Other projects
 - Informal
- External
 - Website
 - Conferences

Conclusions

- Modular, not 'big bang'
- Focus on requirements and benefits
- Start with 'what' not 'how'
- Look at what others have done
- Look at what can be done by others
- Use third party services, such as Planets, wherever possible
- Communicate
- Keep it simple

Thank-you

www.parliament.uk/parliamentary_publications_and_archives/parliamentary_archives/digitalpreservation.cfm

