

Realistic digital preservation in the near future: *How do we get from A to Z when B already seems too far away?*

Polonsky Digital Preservation Project

Somaya Langlely, Cambridge University Library

How do we make digital preservation about the present?

Current Scenario



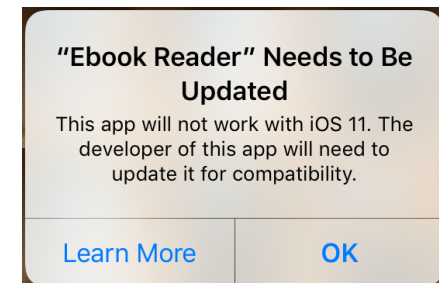
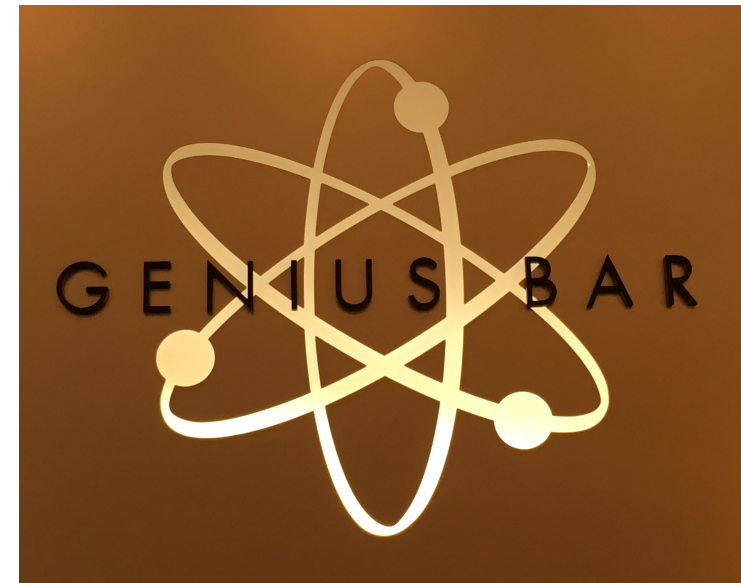
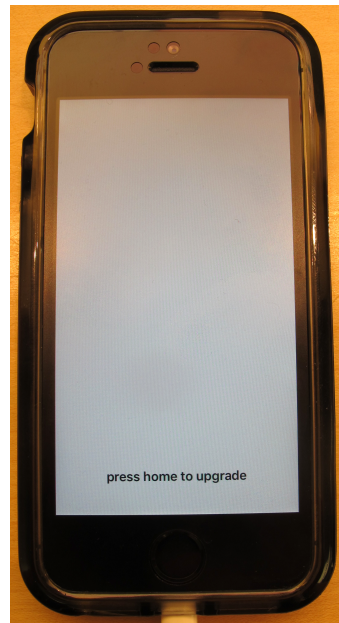
Cambridge University Library collection materials. Photos: Somaya Langley

Case Study Selection

- **Classes of Material:** Unpublished Born-Digital Materials, University Archives, Research Outputs, Published Born-Digital Materials, Digitised Image Materials, Digital (and Analogue) Audiovisual Materials, In-House Created Digital Content
- **Selection Parameters:** Frequency and/or Volume, Significance, Urgency, Uniqueness, Value to our Users/Stakeholders
- **Workflow Stages:** Selection & Appraisal, Acquire/Transfer, Pre-Ingest, SIP Creation & Ingest, Preservation Actions, Access & Delivery plus Integration with Library Systems and Processes

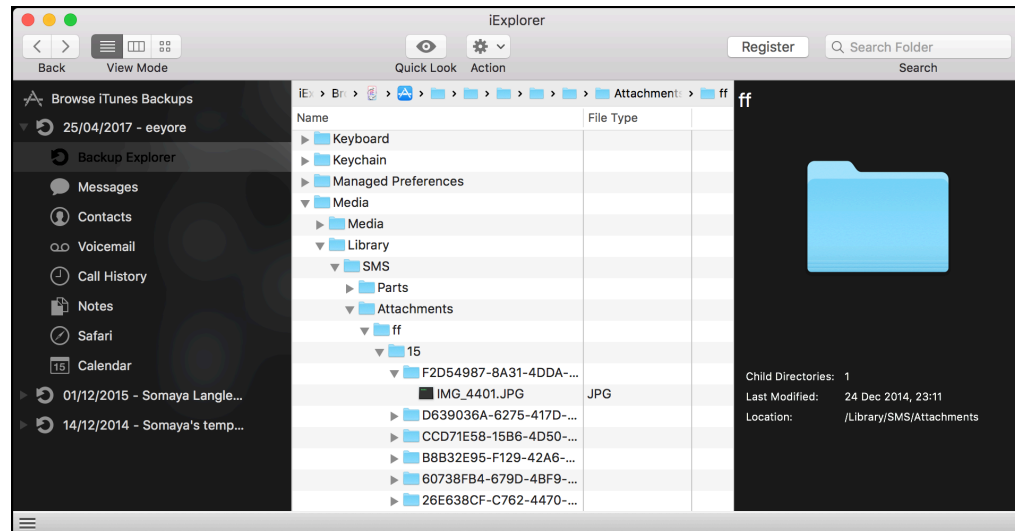
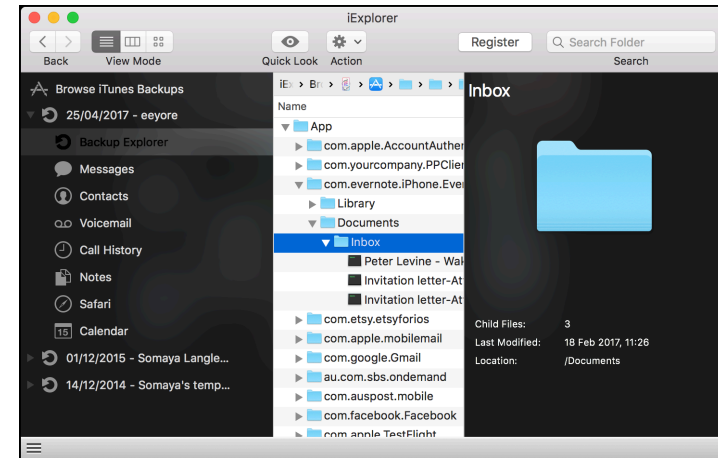
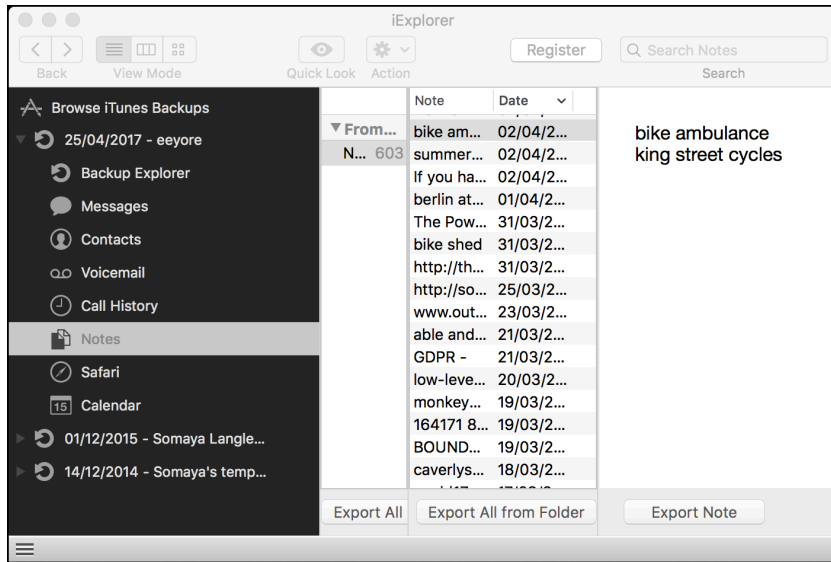
<http://www.dpoc.ac.uk/2017/05/26/selecting-case-studies/>

Near Future Scenario



https://figshare.com/articles/Digital_Preservation_in_Mobile_Networks/4141671

In Practice



In Practice

DB Browser for SQLite - /Users/sz120/Desktop/Evernote7.sqlite

Database Structure | Browse Data | Edit Pragas | Execute SQL

Table: ZENNOTE

ZSOURCE	OURCEAPPLICATK	ZSOURCEURL	ZTITLE	ZDATAHASH
165	mobile.iphone	com.apple.mo...	NULL	cambscountyc...
166	mobile.iphone	NULL	NULL	pinewood
167	mobile.iphone	NULL	NULL	Tim O'Reilly
168	mobile.iphone	NULL	NULL	BLACK TECHNO FUTURES
169	mobile.iphone	NULL	NULL	Brene Brown
170	mobile.iphone	NULL	NULL	Note
171	mobile.iphone	NULL	NULL	Python
172	mobile.iphone	NULL	NULL	Note
173	mobile.iphone	NULL	NULL	Note

Mode: Text

Type of data currently in cell: NULL
0 byte(s)

DB Schema

Name	Type	Schema
Tables (15)		
ZENBUSINESSNOTEBO...	CREATE TABLE ZENBUSIN...	
ZENCLIENTPREFERENCE	CREATE TABLE ZENCLIEN...	
ZENEXPUNGE	CREATE TABLE ZENEXPUN...	
ZENLINKEDNOTEBOOK	CREATE TABLE ZENLINKE...	
ZENNOTE	CREATE TABLE ZENNOTE (...)	
ZENNOTEBOOK	CREATE TABLE ZENNOTEB...	
ZENPUBLISHING	CREATE TABLE ZENPUBLI...	
ZENRESOURCE	CREATE TABLE ZENRESOU...	

DB Browser for SQLite - /Users/sz120/Desktop/Evernote7.sqlite

Database Structure | Browse Data | Edit Pragas | Execute SQL

Table: ZENNOTEBOOK

JATELASTVIEWED	ZACCOUNTID	ZGUID	ZNAME	ZSTACK
8	NULL	460e6d4e-185...	Musify+Gamify	NULL
9	NULL	2d451352-7be...	Steve	NULL
10	NULL	0a37cad3-4d1f...	CPSU	NULL
11	NULL	3358309c-16a...	Born-Digital Heritage Conference	NULL
12	NULL	e3fe799d-f9e1-431d-b30...	OZCO	NULL
13	NULL	161f345c-745...	Arts Action	NULL
14	NULL	599c151c-f73d-4306-904...	Digital Humanities	NULL
15	NULL	7ebf75cd-cd35-4d67-888...	DAAO	NULL
16	NULL	def71800-b707-482f-aad...	#freethearts	NULL

Mode: Text

Type of data currently in cell: NULL
0 byte(s)

DB Schema

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This backup is encrypted.

Decrypt Backup

<http://dx.doi.org/10.6028/NIST.SP.800-101r1>

<https://uk.sans.org/reading-room/whitepapers/forensics/forensic-analysis-ios-devices-34092>

http://go.magnetforensics.com/Android_Physical_Acquisition_Methods_White_Paper

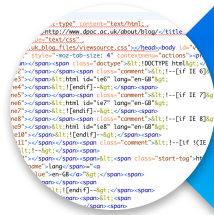
Conclusions

- Start *doing* & learn by doing
- Collectively approach platform vendors – discuss our digital preservation needs (as a community)
- Influence archivists & curators to collect earlier & more frequently
- Invest in skills-development for specialist/technical staff

Contact



#dp0c



<http://www.dpoc.ac.uk>



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The Polonsky Foundation

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