In this issue:

- What's On - Forthcoming events from April 2014 onwards
- What's New - New reports and initiatives
- What's What - Preserving the Pause: the TIMBUS Approach to Digital Preservation, Paul Gooding, DPC
- DPC Member Report - Digital Preservation in Parliament, Christopher Fryer, Parliamentary Archives
- Who's Hiring - The Digital Preservation small ads
- Your View? - Comments and views from readers

What's New is a joint publication of the DPC and DCC

---

**What's On**

The DCC have a number of events coming up that may be of interest to you. For further details on any of these, please see our DCC events listings at http://www.dcc.ac.uk/events/. You can also browse through our DCC events calendar to see a more extensive list of both DCC and external events.

**Technology Bytes: Tools and Services for Digital Preservation in Bite-Sized Chunks - Next in Series: Martin Springell from Tessella / Preservica (Members Only)**

7 May, 21 May, 4th June, 18 June

Following the success of our hugely popular event 'Procuring Preservation: Writing and Understanding Requirements in Digital Preservation' in December 2013, the Digital Preservation Coalition (DPC) is pleased to invite members to a series of webinars where vendors and tool developers will present the tools they currently support and their plans for the future. Individually, each webinar will privilege members with a deep dive into the latest tools and an insight into technology trends. They will help members assess the strengths of products available, how these might be best applied to digital preservation in practice, as well as
providing a platform for members to cross-question developers. Collectively the series will ensure that DPC members have a comprehensive catalogue of the digital preservation market place, shortening the routes to procurement of digital preservation services and matching product development to their needs.

Assessing institutional awareness & readiness for compliance with EPSRC Policy Framework
8 May 2014
http://www.dcc.ac.uk/events/other-dcc-events/assessing-institutional-readiness

The Digital Curation Centre (DCC) is delighted to announce we will host a one-day workshop to help UK HEIs to assess their readiness to comply with EPSRC policy framework on research data. The workshop will be split into two main sessions. The first session will provide a summary of recent surveys by EPSRC (Ben Ryan) and DCC (Angus Whyte). A practical session will help participants benchmark their institutional progress towards EPSRC compliance, using an abridged version of the DCC’s Collaborative Assessment of Research Data Infrastructure and Objectives (CARDIO) tool. The morning session will also provide brief case studies showcasing examples of activity currently underway. After lunch, the workshop will continue with discussion of ongoing challenges and how these may be addressed.

Preserving eBooks
12 May 2014
http://www.dpconline.org/events/details/77-preserving-ebooks?xref=90%3Apreserving-ebooks

The DPC has commissioned a Technology Watch Report to review the distinctive problems of eBook preservation. This day-long briefing will give DPC members a preview of the report and provide a forum for those interested in the topic to discuss the issues with colleagues and representatives of the publishing industry. As well as introducing the latest thinking on eBook preservation, it will look to emerging trends in the publishing industry, helping participants adapt their responses for the long term.

Non-standard Archiving of Research Outputs Workshop
13 May 2014

The aim of this Workshop is to exchange knowledge about the online archiving of non-text based research. While the online archiving of books, journal articles and conference papers is relatively straightforward, Art and Design research presents a number of challenges. Visual materials can include the recording of artefacts, exhibitions, performances, photography and film. Eligibility of the author and the work itself, its relevance, validity of detail, layout, format, and copyright details are important considerations in both acquiring the material and its accessibility. To register, and for all enquiries, please send your name and affiliation to kent92@btinternet.com.
**ALPSP Seminar: The mechanics and reality of Open Access**

*13 May 2014*


Open Access is very much in the news – this seminar looks at the practical implications of implementing OA policy for both STM and HSS publishing. The hybrid model is now under increasing scrutiny – what are the challenges facing publishers, librarians and funders? Global OA policies have increasing granular focus – what does this mean for workflows, processes and standardisation of data? How do hybrid and gold OA publishing differ when it comes to marketing products and services? What are the issues surrounding APC collection systems? Join our expert speakers to discuss these and other questions.

**CRIS2014**

*13-15 May 2014*


CRIS 2014 is the twelfth edition of the biennial series of conferences on Current Research Information Systems (CRIS) organised since 2002 by euroCRIS, a professional association of CRIS experts and custodian of the Common European Research Information Format CERIF. The purpose of CRIS 2014 is to discuss recent trends in the management, availability, quality and use of research information in the context of e-Science bringing together researchers, managers of research-performing or funding institutions, evaluators, librarians, ICT experts and policy makers.

**CASRAI ReConnect14**

*16 May 2014*

[http://reconnect.casrai.org/eu14/](http://reconnect.casrai.org/eu14/)

The modern research enterprise is a complex and decentralized ecosystem. Yet, increasingly institutional managers want robust data on the efficiency and effectiveness of their operations and evidence of the difference their interventions make. Researchers seek means to adhere to requirements without undue administrative burden. Information and data are fundamental to research management, yet currently available information can rarely be compared, exchanged (in a comparable format), reused or analysed. Research teams and administrative personnel, for example, must re-type the same information repeatedly when applying for funding or reporting. Research funders, policymakers, managers and evaluators are consistently frustrated by an inability to draw meaningful conclusions from a growing mountain of 'disconnected' data.

**COAR Annual Meeting & joint OpenAIRE conference 2014**

*21 - 23 May 2014*

[https://www.coar-repositories.org/community/events/annual-meeting-2014/](https://www.coar-repositories.org/community/events/annual-meeting-2014/)
A joint conference between OpenAIRE and the Confederation of Open Access Repositories (COAR), along with the 5th COAR Annual Meeting will take place in Athens this spring over three days at the Athens Acropolis Museum.

**CODATA International Training Workshop in Big Data for Science, for Researchers from Emerging and Developing Countries**

4-20 June 2014


CODATA, in collaboration with CODATA-China is delighted to invite applications from young researchers, research leaders and managers of research institutes in countries with emerging and developing economies to participate in the CODATA International Training Workshop in Big Data for Science, Beijing, 4-20 June 2014. Participation for successful applicants will be financially supported, thanks to a grant from the Chinese Academy of Sciences (CAS).

**Open Repositories 2014**

9 - 13 June 2014

http://or2014.helsinki.fi/

The 9th International Conference on Open Repositories will be hosted by the University of Helsinki’s twin libraries, Helsinki University Library and the National Library of Finland. The theme of this year’s conference is ‘Towards Repository Ecosystems' and the call for contributions to the programme is now open.

**DataCite workshop**

13 June 21014

http://dataciteworkshopglasgow.eventbrite.co.uk

The workshop is primarily aimed at organisations and institutions in Scotland (and the north of England!) who are currently working on their research data repositories and would like to find out more about working with DataCite. We will summarise the main themes of last year’s workshop series: explaining what DataCite is, what it does and how you can work with us in the UK to assign DataCite DOIs to your research data. We will also be joined by the University of Leeds who signed up to use DataCite at the end of 2013 and will be our case study for the day.

**ICPSR Summer Program course on Curating and Managing Research Data for Re-use**

July 28-August 1, 2014

http://www.icpsr.umich.edu/icpsrweb/sumprog/courses/0149

This five-day workshop is for individuals interested or actively engaged in the curation and management of research data, in view of data sharing and reuse, particularly data librarians,
data archivists, data producers and stewards with responsibilities for data management. The course will assist individuals working with research data to apply efficient curation practices to ensure the usability, quality and safekeeping of data resources. Participants will learn about best practices for managing research data, how to apply them to daily operations, and the types of tools that can assist in curation efforts.

What's New

For more information on any of the items below, please visit the DCC website at http://www.dcc.ac.uk.

Digital Preservation Awards 2014 – now open
http://www.dpconline.org/advocacy/awards/digital-preservation-awards-2014. Created in 2004 to raise awareness about digital preservation, the Digital Preservation Awards are the most prominent celebration of achievement for those people and organisations that have made significant and innovative contributions to ensuring our digital memory is accessible tomorrow.

How to Discover Requirements for Research Data Management Services
http://www.dcc.ac.uk/how-discover-requirements. Produced in conjunction with DataONE, this guide is meant for people whose role involves developing services or tools to support research data management (RDM) and digital curation, whether in a Higher Education Institution or a project working across institutions. Your RDM development role might be embedded with the research groups concerned, or at a more centralised level, such as a library or computing service. You will need a methodical approach to plan, elicit, analyse, document and prioritise a range of users’ requirements. The term ‘requirements discovery’ covers these activities, and this guide relates them to the process of developing RDM services. It complements the DCC Guide How to Develop Research Data Management Services, which describes the services in more detail.

Jisc Digital Festival 2014
http://www.jisc.ac.uk/digifest. The festival aimed to be innovative, informative and fun, showcasing and celebrating the very best in UK digital talent by bringing together experts and providers from the higher education, further education and skills sectors to share ideas and best practice. Slides and videos from Jisc Digifest 2014 are now available.
DCC webinar on customizing DMPonline – video now available
https://www.youtube.com/watch?v=jlBjtjWFEOA
DMPonline is the DCC’s web-based tool to help researchers write Data Management Plans. We've recently released a new version of the tool which offers a lot of flexibility in terms of how institutions can customise it. You can create your own template to provide questions and guidance that researchers should respond to, add tailored guidance to help researchers answer funders questions, and provide examples and suggested answers. The DCC ran a webinar in March 2014 to provide a demonstration of the new version of DMPonline and to profile the options available for customising the tool by showing examples from a number of early adopters.

Preservation Health Check: Monitoring Threats to Digital Repository Content - Report released
The report presents the preliminary findings of Phase 1 of the Preservation Health Check Pilot and suggests that there is an opportunity to use PREMIS preservation metadata as an evidence base to support a threat assessment exercise based on the Simple Property-Oriented Threat (SPOT) model. It is a specialized report that will be of interest to digital repository managers, digital preservation practitioners, and PREMIS implementers. This OCLC Research activity was initiated by OPF and was carried out in collaboration with the Bibliothèque Nationale de France, who provided a sample of their preservation metadata for the pilot.

Open access to be a requirement for UK research funding
http://www.jisc.ac.uk/news/open-access-to-be-a-requirement-for-uk-research-funding-31-mar-2014
Jisc welcomed the announcement by Higher Education Funding Council for England’s (HEFCE), the Scottish Funding Council, the Higher Education Funding Council for Wales and the Department for Employment and Learning that from 2016 they will expect all articles submitted to the Research Excellence Framework (REF), a system for assessing the quality of research, to be available by open access. This framework will be used by the HEFCE, the Scottish Funding Council, the Higher Education Funding Council for Wales and the Department for Employment and Learning in Northern Ireland to inform the selective allocation of their research funding to higher education institutions. This means that any university which applies for research funding will have to show how they support open access.

ETD Lifecycle Management Tools Now Available
http://metaarchive.org/imls/index.php/Request_Tools
The ETD Lifecycle Management project, funded by the Institute of Museum and Library Services (IMLS), is pleased to launch a public review of the project's Lifecycle Management Tools. The Lifecycle Management Tools are a documented suite of both new and existing open-source tools for better managing electronic theses & dissertations (ETDs).

**Identification of Early Career Researchers: How Universities and Funding Organizations are Using ORCID**
http://orcid.org/content/identification-early-career-researchers-how-universities-and-funding-organizations-are-using

Funding agencies, universities, and research institutes all face challenges of reliably identifying their researchers and monitoring outcomes over time. All researchers—and especially early career researchers seeking to establish their careers—need to be reliably connected to their research outputs, without the confusion common, changeable names creates. The use of the unique, persistent ORCID identifier can help support outcomes tracking and evaluation and has the potential to considerably reduce the substantial data cleaning, linking, and standardization challenges funding and research organizations face. A recent ORCID Webinar brought together presenters from the U.S. National Institutes of Health, Harvard University, and Texas A&M University to share the challenges, benefits, and integration of ORCID within funder and university systems. The slides and videos are now available.

**Content for Open Science – Open the shell and show us your pearls!**
http://www.fosteropenscience.eu/

FOSTER (Facilitate Open Science Training for European Research), an FP7-funded project, aims to support different stakeholders, especially young researchers, in practicing open access, open data sharing and open science. If you have produced, used, or are simply aware of, quality content on open access, open data and open science, and want to give that content a wider audience in collaboration with the FOSTER training programme, please describe it using the online form at http://goo.gl/meV0EK. This call for content will remain open during the project’s lifetime.

**Earth Monitoring Competition 2014**
www.copernicus-masters.com

Geared primarily toward start-ups and other companies, researchers, and students, the Copernicus Masters competition aims to drive the development of market-oriented applications for utilising Earth observation data generated through Europe's Copernicus programme.

**Terrier IR Platform v3.6 Released**
http://terrier.org
Terrier 3.6, the next version of the open source IR platform from the University of Glasgow (Scotland) was released in early April. Terrier 3.6 represents a significant update over the previous 3.5 release, providing over 75 improvements and bug fixes to the core Terrier search platform. It includes efficiency improvements when searching and support for proximity search within the query language.

Library of Congress Digital Preservation Newsletter
The April 2014 Loc Digital Preservation newsletter is now available. In this issue:

- Where are the Born Digital Archives Test Data Sets?
- Fixity Data in Sound and Moving Image Files
- Managing a Library of Congress Worth of Data
- Personal Digital Archiving: The Basics of Scanning
- New NDSA Report: Geospatial Data Stewardship Online Resources
- What Could "Curation" Possibly Mean?
- Interviews with Dragan Espenschied and Andrew Cassidy-Amstutz
- Links to upcoming events: Computers in Libraries, Texas Library Association, Personal Digital Archiving 2014, Midwest Archives Conference
- Articles about the NDSA, Residency program, Viewshare and much more

ImpactStory
https://impactstory.org/
The science communication landscape is changing fast: seems everyone’s talking about altmetrics and open science these days, from funders to administrators to researchers. Things are changing so fast, it’s practically a full-time job to keep up to date. Is a not-for-profit organisation and will be sending out exclusive inside tips and in-depth insights about open science and altmetrics every week.
Paul Gooding, Project Officer, Digital Preservation Coalition

This is my first editorial as an employee of the DPC, so first things first: hello! Since joining in January, I’ve been working as Project Officer for TIMBUS: we are working with partners in research institutions, large organisations and SMEs to investigate the preservation of business processes through considering dependencies on third-party services, information and capabilities that will be necessary to validate digital information in a future usage context. To illustrate why this is so important, I’d like to talk about video games, and specifically about what happens when we preserve a game without also preserving the pause.

Video games have, in recent years, provided a ripe market for re-releasing old games. Publishers generally take two approaches to this: either by creating an emulator to allow the games to run in their native code, or by recoding the games to appear in A few years ago, I noticed with interest that one of the games I most enjoyed in my childhood had been re-released on the Nintendo Wii. Alex Kidd in Miracle World was a platform game which cam built into the Sega Master System, and was undoubtedly one of my favourite games on the system. By all accounts a successful recreation of the game, Alex Kidd ran on the Nintendo console through a software emulator.

Before major publishers such as Nintendo, Sony and Microsoft realised the commercial value of their old games, it was left to a vibrant emulation scene on the internet to make these games playable. But this came with its own problems. First, it is illegal to play copyrighted game ROMs through an emulator under current copyright laws. Second, many of the emulators were coded
by enthusiastic amateurs, who sometimes forgot to include an important piece of functionality.

This forgetfulness could cause huge problems for otherwise working games. I came across one gamer who, when playing Alex Kidd on a particular emulator, was able to progress to a point in the game where it was necessary to use a power-up to fly across the level. To do so, the gamer had to pause the game and select the power-up, a simple matter on the original Master System gamepad. But the creator of the emulator had coded the pause button differently: instead of replicating the original behaviour triggered by the pause button, it froze the game entirely. The result? No pause menu, no power-ups, and no way for the user to guide Alex Kidd to the end of the level.

This is important for digital preservation: if we don’t consider the complete context in which a software programme was originally executed, it’s extremely easy to introduce something game-breaking; in this case literally. It’s therefore necessary for us to consider how to preserve not just the artefact, but all the related processes and software environments which will allow us to recreate the artefact in future. TIMBUS began in 2010, and investigates how to preserve business processes, including the complete technical context in which any particular process or artefact is deployed. Something as simple as an old video game can confound us if we forget to preserve and replicate an apparently minor piece of functionality like the pause button.

Modern business processes operate on a level of complexity far beyond an 8 bit video game, and provide numerous challenges to their preservation. Whereas the example above allows gamers to play videogames faithfully to the original, TIMBUS allows businesses to reproduce data through the preservation of their technical environments, ensuring that vital organisational data is more likely to be preserved, reproducible and accessible in the long term. TIMBUS has addressed this by developing semi-automated tools which allow organisations to undertake their own process preservation. This is an important step in ensuring the successful preservation, and future redeployment, of digital artefacts.

If you’re interested in finding out more about the TIMBUS approach to process preservation, there is a wealth of information on the website. This includes a regularly updated blog where you can find interesting insights into particular facets of the project, an archive of the project newsletters, including the most recent edition from February 2014, and information about training materials and forthcoming events.
TIMBUS is one of a number of research projects that the DPC is currently involved with, which allow us to be involved in cutting edge research in digital preservation and improve the knowledge base of our members. In addition, we run an extensive programme of events on issues relating to digital preservation, from “Getting Started in Digital Preservation” to advanced sessions on particular topics. Our events are normally open to everybody, but members get priority booking. Members also benefit in other ways, through priority access to DPC publications, networking and knowledge exchange opportunities, and involvement in a large community of expertise in digital preservation.

If you are not already a DPC member, you can find more information about what we do, and the full range of member benefits, on our website: [http://www.dpconline.org/members/join-us](http://www.dpconline.org/members/join-us).

For further information about forthcoming DPC events, keep an eye on our website: [http://www.dpconline.org/events](http://www.dpconline.org/events).
Member Report – Digital Preservation in Parliament

*Chris Fryer, Senior Digital Archivist, Parliamentary Archives*

Parliament may represent centuries of tradition and democracy, but the Parliamentary Archives have been undertaking crucial work to support Parliament’s transition to 21st century digital ways of working. By actively preserving born digital material along with digital surrogates the Parliamentary Archives fulfils an essential function of Parliament which secures access to exclusive digital resources for future generations.

The Parliamentary Archives is responsible for preserving and providing access to collections of national importance in all formats, and in an ever changing environment. As a new member of the Parliamentary Archives department, I’m delighted to be joining such a prestigious institution which has already achieved significant milestones in digital preservation. As Senior Digital Archivist I act as project manager for the Digital Preservation project in Parliament. Since 2010 a staged project has led to the successful implementation of a production-ready digital repository.

A particularly innovative development during this process was the adoption of third-party cloud
services as a primary means of storage for the digital repository. Parliament operates a ‘cloud first’ ICT policy which led to the adoption of the UK Government G-Cloud procurement process. The Parliamentary Archives became early implementers of the new policy when incorporating digital preservation storage requirements. There are common concerns held by many over the use of the cloud to preserve and store data, issues which have only been heightened by the NSA revelations of Edward Snowden. The project has demonstrated the viability of using cloud storage providers despite common concerns over their adoption. The Parliamentary Archives hopes that a pragmatic approach towards adopting cloud services can serve as a case study for the rest of the digital preservation and archival community.[1]

One of the most satisfying aspects of my role is providing access to the resources that such a lot of effort goes into preserving. A prime example of how the Parliamentary Archives is achieving this is through the web archive. The web archive represents a truly comprehensive overview of Parliament’s web estate since 2009. From the entire parliament.uk domain to a multitude of official social media streams, the web archive represents an as yet untapped resource for digital heritage scholars and the wider public.[2] There is also a bespoke online delivery system which provides public access to repository content, and integrates with the archive catalogue, Portcullis.[3] Over the coming months the Parliamentary Archives will be running a series of activities to raise awareness of the many digital resources which are being created.

Parliament can be justifiably proud of what it has achieved in the implementation of a production ready digital repository which actively preserves content and makes it publically accessible. However, the work has only just begun! Now that Parliament has a best practice digital preservation environment, how does it embed this system as a business as usual activity? This is a particular challenge that I and my colleagues will be addressing over the coming months. Parliament is particularly fortunate to have the resources and drive which allow it to address challenges posed by digital preservation. It is now up to the Parliamentary Archives to maximise this momentum and ensure that digital preservation activities become part of everyday activities across the organisation.

There are also pressing practical digital preservation issues which need developing now that the digital repository is in place. Preservation planning and the capability to provide services and functions needed for awareness of changing technology and community requirements, such as monitoring, evaluation and policy development is one such area which the Parliamentary Archives is keen to tackle. Concerted efforts have been made in the digital preservation community to encourage common standards, yet individual organisational contexts result in digital preservation policies regularly varying from one institution to another. It is my hope that the Parliamentary Archives will be able to draw upon past preservation planning experiences and apply a coherent and pragmatic approach which will continue to ensure sustained
preservation of its digital resources. It will be fascinating to see how this process evolves and I intend to draw upon the DPC community’s experience and knowledge as much as possible.

Further on the horizon are many potentially fascinating projects which may be come to fruition for the Parliamentary Archives digital preservation programme. Already digital preservation staff have been involved in early discussions with departments on the use of 3D point cloud scans of the Palace of Westminster. Building Information Modelling (BIM), in which digital representations of physical and functional characteristics of a facility are represented, is an additional preservation challenge which Parliament faces in the future.

It is an exciting time to be involved in digital preservation at Parliament. Significant progress has already been made but there are still many fascinating challenges to tackle. Expanding digital preservation into a business as usual enterprise remains a priority. By demonstrating to Parliament the myriad of services that are possible through embedding digital preservation as a core function we hope to unify and preserve the many innovative digital resources Parliament creates. If you would like to learn more about digital preservation at the Parliamentary Archives or would be interested in collaborating on any of the issues raised please feel free to get in touch.

Further information can be found at:

Parliamentary Archives:  http://www.parliament.uk/archives


[1] Look out for the Parliamentary Archives case study in the upcoming TNA Guidance on Cloud Storage and Digital Preservation due to be published in the next few months.

Who's Hiring: The Digital Preservation Small Ads

**Bodleian Libraries, University of Oxford: Digital Scholarship Support Officer**
(Oxford, Full-Time, Fixed-Term for 2 years, Salary: 29,837 - 36,661 GBP pa, Closing Date: 1 May 2014)

The Bodleian Libraries is seeking a Digital Scholarship Support Officer to establish a new research data archiving service. This is a key post working in the rapidly growing and strategically important area of research data management (RDM). You will be expected to deliver reliable, user-centric services within an environment of rapid change and external statutory requirements. You will be a central point of contact for Oxford researchers and students seeking digital scholarship services.


**University of Edinburgh Library: Digital Preservation Curator**
(Edinburgh, Full-time, Fixed-Term for 2 years, Salary: 30,728 to 36,661 GBP pa, Closing Date: 8 May 2014)

The Digital Preservation Curator will take the lead on the development and management of a Digital Strong Room as a trusted digital repository for collecting, preserving, and providing access to the born-digital and digitised archival collections. With a degree and postgraduate qualification in library, archival, or information science and a track-record of applying this within a digital environment, you should have the ability to work with diverse project partners and others.

King's College London: PhD Studentship in Digital Humanities/Information Management
(London, Full-Time, Salary: Stipend and Fees, Closing Date: 31 May 2014)

Applications are invited for an AHRC-funded Collaborative Partnership Award at King’s College London and Tate, to investigate two main questions: How are software-based artworks to be described and represented for the purposes of preservation, understanding and access? What constitutes technical art history for software-based artworks?
See:  http://bit.ly/1nM7Mbi

Glasgow City Council (in association with HATII at the University of Glasgow): Systems Developer (Kelvin Hall Project)
(Glasgow, Full-Time, Fixed-Term for 2 years, Salary: 31521.05 - 36992.94 GBP pa, Closing Date: 11 May 2014)

This is the key post in the development and delivery of the Kelvin Hall Online Portal that represents the state of the art in cross collection searching and content delivery. The post-holder will design, develop, implement and evaluate a Portal that will provide public access to the collections of Glasgow Museums, The Hunterian and the Scottish Screen Archive. Duties include designing and developing databases, websites and web-based services conforming to a very high standard of accessibility, including optimisation for mobile devices, and documentation. This post will help progress the project partners’ reputations as world-class providers of innovative online access to cultural heritage resources and services.
See:  http://bit.ly/1kbqHZv