

Directory of Digital Preservation Repositories and Services in the UK

2nd edition, updated June 2005

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Scope of the Directory

This is a 2005 update of the DPC Directory of Digital Preservation Repositories and Services, first issued in 2004. It is designed to help organisations needing information and services relating to their digital preservation storage needs and also wanting to know about resources which exist to provide for digital storage and preservation.

The Directory is one of the deliverables from a sub-group of the CURL TASK Force on Digital Content Creation and Curation (<http://www.curl.ac.uk/about/GroupsDCCC.htm>). The sub-group agreed that it would be extremely useful to have a tool to help those who are investigating outsourcing their digital preservation requirements, looking for models to use when developing their in-house digital preservation programme, or simply wishing to know more about who is doing what in this rapidly developing field. A companion resource, an information leaflet and checklist, *Contracting Out for Digital Preservation Services*, is available from: <http://www.dpconline.org/docs/guides/outsourcing.pdf>.

The original intention was to list and give detail of digital preservation repositories, meaning a repository storage service designed and offered in accordance with recognised digital preservation processes (for example, as detailed in the DPC Technology Watch Report *Institutional Repositories in the Context of Digital Preservation* (Paul Wheatley, University of Leeds, March 2004), available on the DPC website at <http://www.dpconline.org/graphics/reports/index.html#instrep>. This approach excluded a lot of potentially useful services and information, such as several public sector operations which store, or arrange storage, (for example, of e-journals or other academic information) with long term preservation in mind, even though they do not offer any commercially available storage service to others.

A category which we have on the whole excluded is companies offering basic data storage, with or without ancillary services. A list of examples of this type of service can be found in Annex B of another DPC Technology Watch report, *The large-scale archival storage of digital objects*, (February 2005, by a British Library team (<http://www.dpconline.org/graphics/reports/index.html#instrep>), also available from the DPC website. We exclude them chiefly because they are not designed with long-term digital preservation principles in mind. That is not to say that they are not useful, and if such a service would meet your needs, there are plenty available to choose from.

It soon also became clear that there are various related services available, from both the public and private sectors, which it would be helpful to list in a directory like this. For example, if you are looking to preserve and store digital material which is in an obsolete format, you might want to use the service called PRONOM, offered by the UK National Archives, so that is included. You may be trying to select a commercial digital storage provider, or to find someone to help you through the process of finding a solution to your digital preservation needs. If so, you might want to consult a company which has worked on substantial and relevant digital preservation projects and could help you assess the best choice to make, and then to implement your decision. So we have further broadened the scope to include some services which can help with problems of this kind.

The unifying elements for entries remain *either* that an understanding of and commitment to long-term digital preservation had to be inherent and of the essence if such services, products and offers were to be included. *Or* that the service offered, though less 'pure' than we might like in preservation terms, can meet a real digital storage and access need for users, at least in the medium term. An example of the latter case is the new entry for *ibiblio*. We have stretched a point because this may be a very

useful, low-cost option for some organisations needing medium to long term storage, even though it does not appear to make the overt commitments to long term digital preservation that we would prefer to see.

Some instances may seem borderline for inclusion for other reasons. An example is organisations which act more as gateways to other stores of information, than as stores themselves. We have included some services which fall into this category. This is both because it clarifies what it is that they do, and because the line between such services and more storage-based ones can be quite fine. Examples of such a service are MIMAS, or EDINA.

We have not limited entries to UK based institutions. The rationale for this is, chiefly, that if the services are relevant to this register, and available within the UK, then inclusion is justified. We have, though, limited the register to anglophone services, at least for the time being.

Where we have been able to, we have given a contact name and details. Otherwise we have given the general contact point, normally an email address taken from the website details. Where organisations listed are DPC members, we have indicated this.

If the need for selectivity seems to have resulted in wrong decisions, either about inclusion or exclusion, the DPC is happy to consider representations and changes.

We are not claiming that the directory is comprehensive. It will need continuing maintenance and updating if it is to go on being useful. In particular, we said in the first edition that we were only scratching the surface of the private sector possibilities. This edition has increased the number by 50%, but there are still only 6 entries in this category. We considered several more, but they fell mostly at two hurdles. Either they are digitisation services which, though highly useful, are not what the Directory is about. Or they are electronic document or record management systems with some storage or archiving, but only as an adjunct to their main function and without any real capacity for secure medium to long-term storage. This is not to criticise such products, which meet an important need. But there are other and better sources for finding them than this Directory, for example the guidance on functional requirements for electronic records management systems offered by the National Archives in London, at http://www.nationalarchives.gov.uk/electronicrecords/?source=ddmenu_services2 .

We welcome suggestions both from DPC members and from others as to products, companies and organisations which should be included. Please send any suggestions, with an indication why you think they are relevant, and as much detail as you can, to the DPC at info@dpconline.org.

Finally, the DPC is not offering any recommendation or endorsement whatsoever for any products or services in this directory. Nor is it offering any guarantee of the accuracy or currency of information. For the most part information has been taken at the time of compiling or updating each entry, from published information about the organisations and services included. Most commonly it has been taken from their websites. It has usually been edited and often shortened. It will not reflect any changes since the time it was collected or last updated. Many, but not all, entries have been checked with the organisation they concern. Information is offered in good faith, but it is up to users to check accuracy and currency, and to make their own decisions before committing to any action arising from any entries contained in this directory. The DPC accepts no responsibility or liability for any such actions or for anything arising from them.

This Directory was compiled and updated by Duncan Simpson on behalf of the Digital Preservation Coalition.

June 2005

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Entries are listed under the name they are generally known by, so MIMAS, rather than Manchester Information and Associated Services, LOCKSS rather than Lots of Copies Keep Stuff Safe, except where this might be unclear – so, Arts and Humanities Research Board rather than AHRB, Natural Environment Research Council rather than NERC etc.

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PART 1: PUBLIC SECTOR AND NOT-FOR-PROFIT SERVICES

CATEGORY A: ARCHIVES

CATEGORY: Archives	DPC member
BRITISH BROADCASTING CORPORATION (BBC)	
<i>Location:</i> London <i>DPC contact:</i> Cathy Smith (New Media Archivist), tel: 020 8225 9958, e-mail: cathy.smith@bbc.co.uk <i>URL:</i> www.bbc.co.uk http://presto.joanneum.ac.at	
Scope of business: About 70% of the BBC archive is at risk and requires digitization as a method of preservation. The BBC is investing £60 million in this project over the decade 2000-2009. Much of the problem concerns material which is at present analogue, and requires conversion. In the next decade the BBC will have to face the continued preservation of large amounts of digital material. The BBC also has a growing volume of 'born-digital' preservation issues, eg web-archiving and interactive TV. Work started as the PRESTO project, developing cost-effective technology and processes for audiovisual media, and concentrating on solving the technical issue of reducing the cost of preservation transfers; PRESTO was completed in October 2002. The PrestoSpace project started in February 2004 to extend this approach outside broadcasting, to all collections of audio, video and film. PrestoSpace looks at preservation and access together, using preservation work to provide new means of access and using enhanced access to provide new funding for preservation	
Service offered: the BBC does not offer a digital archiving service to others	
Type of material held	
The material is created by the BBC and covers the following: Website: www.bbc.co.uk ; audio: mainly analogue, but includes DAT tape, CD and DVD; just about to begin acquisition of 'born digital' material from servers; Video: mainly analogue, but will soon need to transfer D3 digital videotape. Have made CD and DVD material during preservation. Core business records	
Volume of material held/planned	
BBC has surveyed web archive requirements, and has detailed knowledge of analogue and digital audiovisual material and its preservation requirements. It will be capturing 3.5 Tbytes of data over a three-year period, a selection of the BBC's web output. This will be stored on disk, backed up to digital linear tapes. The 10-year audiovisual preservation project will produce about 500,000 hours of digital material of various types – approximately 40 Peta bytes of data. Also BBC is acquiring material at a rate of about 20k hours per year, a growth rate of about 10% per year. [For further information see PRESTO project – http://presto.joanneum.ac.at]	

CATEGORY: Archives	
INTERNET ARCHIVE (IA)	
<p><i>Location:</i> San Francisco, CA</p> <p><i>contact:</i> info@archive.org</p> <p><i>URL:</i> www.archive.org</p>	
<p>Scope of business: Set up in 1996, as a non-profit making public organisation. The mission is to help preserve digital artifacts and to create an internet library of websites for researchers, historians and scholars. The archive collects publicly accessible web pages and offers free access to them. It is a web-crawler based internet archive, operated by Alexa Internet. It respects privacy policies and 'robot exclusion' in its selection. The archive is updated 'every few months', updates taking 6-12 months to reach 'The Wayback Machine', (http://www.archive.org/web/web.php) which is the access method. Storage is on basic PCs, currently about 800, each storing around one terabyte on ATA disks, a cheap and low maintenance system running on Linux. Since mid-2004, running on a new system – see http://www.archive.org/web/petabox.php. Funding relies heavily on institutional supporters and on donations.</p>	
<p>Service offered: Free access, though IA says some programming skills may be needed. IA 'actively seeks' donations of digital material for preservation, responding to proposals.</p>	
Type of material held	
Publicly accessible web pages	
Volume of material held/planned	
Over one petabyte and growing at about 20 terabytes per month.	

CATEGORY: Archives	DPC member
THE NATIONAL ARCHIVES (TNA) - DIGITAL ARCHIVE	
<p><i>Location:</i> The National Archives, Kew, London</p> <p><i>contact:</i> Adrian Brown, tel: 020 76921379; email: Adrian.Brown@nationalarchives.gov.uk</p> <p><i>URL:</i> www.nationalarchives.gov.uk/preservation/digitalarchive/</p>	
<p>Scope of business: The National Archives holds state and central court documents from the Domesday Book to the present. Its Digital Archive is a digital repository for storing, preserving and providing access to electronic government records. Part of the UK Modernising Government initiative, helping citizens and businesses to communicate with the government electronically. Launched in April 2003. Visitors to the reading rooms at Kew can access the records via linked PCs; internet service also available at http://www.nationalarchives.gov.uk/preservation/digitalarchive/holdings1.htm. TNA also contracts with the ULCC (qv) for the management, storage and preservation of digital government datasets, known as the National Digital Archive of Datasets (NDAD) and is a partner in UKWAC (qv).</p>	
<p>Service offered: no commercial service is offered, though TNA does have the power to take in records from sources other than central government.</p>	
Type of material held	
<p>A wide range of government records in a wide range of formats and types, including archived government websites.</p>	
Volume of material held/planned	
<p>Current actual storage capacity of the TNA Digital Archive is 4 Tbytes, split between master and open systems and offsite backup, 1.5 Tbytes being currently given over to master record storage. Potential size is 100 Tbytes. Present holding of the Digital Archive and NDAD approaching 1 Tbyte.</p>	

CATEGORY: Archives	DPC member
NATIONAL ARCHIVES OF SCOTLAND (NAS)	
<p><i>Location:</i> Edinburgh</p> <p><i>DPC contact:</i> Laura Mitchell, tel: 0131 535 1412; e-mail: laura.mitchell@nas.gov.uk</p> <p><i>URL:</i> http://www.nas.gov.uk</p>	
<p>Scope of business: As the repository for Scotland's national archives, NAS has responsibilities for collecting, preserving and giving access to, archive material of national importance. Original archive material is increasingly likely to come, and be stored and managed, in digital form. Also one of the main ways of giving access to delicate hard copy originals is through digitisation. There is therefore a need to preserve long term both born-digital and digital surrogate material.</p>	
<p>Service offered: NAS is responsible for the storage and preservation of its own collections; it does not offer any digital storage or other services to other organisations.</p>	
Type of material held	
<p><i>Deposited under the 1937 and 1948 Public Records Acts:</i> Public records, mainly from Scottish government and agencies. Public registers (eg the Register of Sasines , Scotland's land register). Not yet in digital form, but will be. Some websites or parts of websites (eg of particularly significant organisations like the Scottish Parliament). Court records (some areas are already exploring imaging paper records and disposing of the paper, though this has not yet begun on a large scale)</p> <p><i>Deposited under other agreements:</i> Records created by private individuals or organisations (these will, increasingly, be in electronic formats)</p> <p><i>Records created by NAS:</i> NAS's own administrative records. Digitised copies, known as surrogates, of material held in traditional formats in the archives. SCAN, which has digitised over 520,000 Scottish wills and testaments dating from 1500 to 1901, is the biggest of these.</p>	
Volume of material held/planned	
<p>Approx 9.56 gigabytes of material from the Scottish Executive, Scottish Parliament and other Scottish public authorities. Also about 302 gigabytes of surrogate digital images, currently kept on CD. The NAS project to digitize church records has so far created 681 gigabytes of surrogate material. The SCAN project has so far produced about 1.4 Tbytes of surrogate digital material held on line and 26 Tbytes on tape. Eventually all court, government and Scottish Parliament records will come in digital form. Current rate of accession about 1800m of paper a year, which will continue in digital formats.</p>	

CATEGORY: Archives	DPC member
THE PUBLIC RECORD OFFICE OF NORTHERN IRELAND (PRONI)	
<p><i>Location:</i> <u>Belfast</u>.</p> <p><i>DPC contact:</i> Hugh Campbell, e-mail: Hugh.Campbell@dcalni.gov.uk</p> <p><i>URL:</i> www.proni.gov.uk</p>	
<p>Scope of business: PRONI is the official place of deposit for public records in Northern Ireland. It accepts both official and private records. The records fall into three general categories:</p> <p>Records of Government Departments which in many cases go back to the early nineteenth century; Records of courts of law, local authorities and other non-departmental public bodies; Records deposited by private individuals, churches, businesses and institutions.</p> <p>PRONI to select and preserve those records which provide a legal or historical record of the past and to make these available to the public for consultation and research.</p> <p>It recognises the importance of electronic records management and of digital preservation.</p>	
<p>Service offered: PRONI operates a selection process for the records, both official and private, which it accepts. It does not offer any commercial management or storage service.</p>	
Type of material held	
<p>Digital materials include public records, mainly expected to be office documents but could include websites. PRONI is also the repository for private records which could be in any form, journals, books, publications, papers etc. PRONI also holds images created by digitisation projects.</p>	
Volume of material held/planned	
<p>At present 1Tbyte, comprising 96,000 surrogate digital images. This is stored on a dedicated server. Expected growth in the short term is likely to result from future digitisation projects.</p> <p>The Northern Ireland Civil Service is implementing an Electronic Document and Records Management System (EDRMS) for its administrative records. As a result of this, records will be created and stored electronically and those selected for preservation will be transferred to PRONI. The volume of electronic records to be preserved will increase as other public bodies implement EDRMS.</p>	

CATEGORY: Archives	
UK WEB ARCHIVING CONSORTIUM (UKWAC)	
<p><i>Location:</i> partnership of British Library (qv), Joint Information Systems Committee of the Higher and Further Education Councils, The National Archives (qv), the National Library of Wales (qv), the National Library of Scotland (qv) and the Wellcome Trust.</p> <p><i>contact:</i> via individual consortium members – see website for contact details</p> <p><i>URL:</i> www.webarchive.org.uk</p>	
<p>Scope of business: Launched June 2004, and went live early in 2005; UKWAC is an experimental system, initially for two years, for archiving selected key UK websites, with an initial target of 6,000 sites. With permission from rights holders, each partner will capture content relevant to its own remit. Infrastructure costs are shared. The archive uses a development of HTTrack, an open source web crawler using software developed for a similar consortium archiving Australian websites called PANDAS (http://pandora.nla.gov.au/index/html). Adaptation of the software, plus hardware and technical support, are provided by Magus Research (qv). An evaluation exercise in January 2006 will consider what use has been made of the site, and whether selective archiving is sustainable; the project will end in June 2006, when next steps will be decided in the light of the evaluation.</p>	
<p>Service offered: archiving of, and online access to, selected UK websites, according to selection decisions made by the partners. UKWAC does not offer any commercial management or storage service. Each partner archives sites within its own area of expertise.</p>	
Type of material held	
UK websites	
Volume of material held/planned	
Initially 6000 websites	

CATEGORY B: DATA SERVICES

CATEGORY: Data Services		DPC member
ARTS AND HUMANITIES DATA SERVICE (AHDS)		
<p><i>Location:</i> <u>London</u>, Oxford, York, Colchester (Essex), Glasgow, Farnham (Surrey)</p> <p><i>DPC contact:</i> Andrew Wilson, tel: 020 7848 1982; email: andrew.c.wilson@ahds.ac.uk</p> <p><i>URL:</i> http://ahds.ac.uk</p>		
<p>Scope of business: The AHDS collects, preserves and promotes electronic resources in the arts and humanities. It is funded by the Joint Information Systems Committee (JISC) and the Arts and Humanities Research Board (AHRB). It covers five subject areas: archaeology; history; visual arts; literature, languages and linguistics; performing arts. Digital preservation has been a core activity of the AHDS since its establishment in 1996. AHDS centres collect, preserve, catalogue, and distribute digital resources which are relevant to their subject areas, facilitate good practice in their creation and use, and offer some user services.</p>		
<p>Service offered: preserves material deposited in accordance with policies; no commercial service offered</p>		
Type of material held		
<p>The AHDS is a distributed service and preserves material deposited voluntarily by individuals and research groups within Higher Education, or as a condition of awards granted by the Arts and Humanities Research Board. Some material created outside Higher Education is also actively pursued for deposit by AHDS staff.</p> <p>The AHDS holds electronic texts, databases, still images, moving image, audio, GIS data, Geophysics data (archaeology) metadata sets (catalogues deposited with us, as opposed to our own catalogue).</p> <p>Some of this material represents digital surrogates for still and moving images, and audio recordings, transcriptions of original literary works, transcriptions of original statistical works. Some represents digital resources based on, but not direct surrogates of, non-digital sources, such as collections of information taken from historical documents. Some also represents born digital research papers, reports, field work notes etc.</p>		
Volume of material held/planned		
<p>Data comprising about 4,000 distinct collections, was scheduled to rise to 4Tbytes by the end of 2004.</p> <p>Anticipate sharply rising volumes of data from a moderately rising number of depositing projects. Initially planning a capacity of 10Tbytes of data for the new digital repository</p>		

CATEGORY: Data Services	
ATLAS DATASTORE (ADS) – e-SCIENCE CENTRE	
See entry under Category F, Research Councils, Council for the Central Laboratory of the Research Councils (CCLRC), on page 36	

CATEGORY: Data services	
CHRYSALIS	
<p><i>Location:</i> UK West Midlands</p> <p><i>Contact:</i> info@mlawestmidlands.org.uk</p> <p><i>URL:</i> www.chrysalisinfo.org.uk/home_page.htm</p>	
<p>Scope of business: A managed data repository, set up under the auspices of West Midlands Museums, Libraries and Archives Council, providing resources and materials to support learning, skills development, information literacy and provide some access to wide ranging resources relevant to the local history and cultural identity of the West Midlands.</p>	
<p>Service offered: The overall aim of the project is to establish a repository of quality assured information and resources to support learning and skills development, information literacy and provide access to a range of materials and resources relevant to the local history and cultural identity of the region. Content is evaluated and selected in accordance with this aim. Of limited usefulness to those outside the area, because of its geographical basis, restricted to the West Midlands region, but possibly of use to some and certainly an interesting development in data storage. Sustainability over time is one of the project aims. A subscription service is available to those with collections relevant to the aims of the project. Access to the Chrysalis repository is via e-Bank, http://62.105.110.193/store/index.bhtml</p>	
Type of material held	
A wide range of museums, libraries and archives collection material	
Volume of material held/planned	
Unknown	

CATEGORY: Data Services	
EDINA	
<p><i>Location:</i> University of Edinburgh <i>contact:</i> edina@ed.ac.uk <i>URL:</i> http://edina.ac.uk/</p>	
<p>Scope of business: a provider of specialist data services, based at Edinburgh University Data Library, EDINA is a JISC-funded national datacentre. It provides to the UK tertiary education and research community networked access to a library of data, information and research resources. All EDINA services are available free of charge to members of these institutions, though with subscription and registration for most services. Subjects include health, agriculture, arts, humanities, social sciences, engineering, physical sciences, general reference topics and an historic map service.</p>	
<p>Service offered: access to a wide range of materials – see http://edina.ac.uk/sitemap.shtml</p>	
Type of material held	
EDINA is an access service; it does not hold or store its own materials	
Volume of material held/planned	
Not applicable	

CATEGORY: Data Services	
Ibiblio	
<p><i>Location:</i> University of North Carolina, USA</p> <p><i>Contact:</i> help@ibiblio.org</p> <p><i>URL:</i> www.ibiblio.org</p>	
<p>Scope of business: describing itself as ‘the public’s library and digital archive’, with the expressed aim ‘primarily for redistributing freeware resources’, ibiblio is a non-profit organisation, a partnership between the University of North Carolina (UNC) and the Center for the Public Domain http://centerforthepublicdomain.org/. It operates in partnership with SourceForge, an Open Source software development website, with a heavy emphasis on Linux. Also with IBM, which provides the hardware, and a list of other partners who provide funding. It holds a very wide range of material – arts, language, literature, history, natural science, technology, social sciences, technology etc – and has a very wide and flexible collections policy - http://www.ibiblio.org/collection.html. Content is similarly wide, from conventional academic to off-the-wall astrobiology. There seems to be no explicit commitment to longevity or preservation, though ibiblio has been operating since 2000. How to contribute material is described at http://www.ibiblio.org/about.html#contributing.</p>	
Service offered: archiving and access for collections which meet the broad collections policy.	
Type of material held	
Very wide range – see above	
Volume of material held/planned	
No information	

CATEGORY: Data services	
MANCHESTER INFORMATION AND ASSOCIATED SERVICES (MIMAS)	
<p><i>Location:</i> run by Manchester Computing, at the University of Manchester</p> <p><i>contact:</i> info@mimas.ac.uk</p> <p><i>URL:</i> www.mimas.ac.uk</p>	
<p>Scope of business: A national data centre, supported by JISC, to provide dataset services for UK HE, FE and research through networked access. Available to all eligible FE and HE institutions mostly free of charge though some services (eg JSTOR, qv) require subscription. Also some services available to all, such as the Archives Hub. MIMAS offers access to archive and publications catalogues from over 70 institutions in the UK; catalogues of 26 major university libraries; plus many databases including, for example, and digital publications such as e-journals. For fuller details http://www.mimas.ac.uk/reports/annual/year0203/mimas-services.html. Also provides dataset services in collaboration with others eg British Library (qv), UK Data Archive (qv) and others.</p>	
<p>Service offered: access to a wide range of materials – see http://www.mimas.ac.uk/reports/annual/year0304/mimas0304.html#7</p>	
Type of material held	
MIMAS is almost entirely an access service; it does not hold its own materials	
Volume of material held/planned	
Not applicable	

CATEGORY: Data services	DPC member
ONLINE COMPUTER LIBRARY CENTER (OCLC)	
<p><i>Location:</i> Dublin, Ohio, USA; UK service in Birmingham</p> <p><i>DPC contact:</i> Taylor Surface; taylor_surface@oclc.org ; UK information from birmingham@oclc-pica.org</p> <p><i>URL:</i> http://www.oclc.org/digitalarchive/default.htm</p>	
<p>Scope of business: OCLC is a nonprofit, membership, computer library service and research organization whose aim is to further access to the world's information and reducing information costs. More than 45,000 libraries worldwide use and support OCLC services to locate, acquire, catalogue, lend and preserve library materials. OCLC operates a digital archive service, life-cycle or long-term management, based on OAIS standards, to all its members, with an emphasis on digital preservation of the material. The service is in two forms: web archiving for item-by-item harvesting and submission of web pages and web-based documents, or batch archiving to submit collections on various storage media for ingest and automated metadata creation at OCLC. These are then made accessible to users through FirstSearch and Connexion services.</p>	
<p>Service offered: OCLC members can place material in the digital archive service as described above. There is no commercial service to others.</p>	
Type of material held	
Any of the library materials held by OCLC members	
Volume of material held/planned	
No information	

CATEGORY: Data services	
PRONOM	
<p><i>Location:</i> The National Archives, Kew, London</p> <p><i>contact:</i> pronom@nationalarchives.gov.uk</p> <p><i>URL:</i> http://www.nationalarchives.gov.uk/pronom/</p>	
<p>Scope of business: PRONOM is an online file format registry, created and maintained by The National Archives in Kew, London (qv). It is a free resource for technical information about the file formats used to store electronic records, and the software products that are required to create, render, or migrate these formats. It is constantly updated and developed, relying chiefly on input of information from others about the software products of which it contains details. Instructions are available from the website on how to submit details of relevant products for inclusion.</p>	
<p>Service offered: free access online to information on mainly obsolete software products, to help enable their migration or other steps to ensure preservation of material</p>	
Type of material held	
Information on software products; access to PRONOM content is via a search facility	
Volume of material held/planned	
Not relevant	

CATEGORY: Data services	
teiPublisher	
<i>Location:</i> development team based in Canada, Spain and USA	
<i>Contact:</i> Susan Schreibman, Project Manager, tel +1 301 314 0358; sschreib@umd.edu	
<i>URL:</i> http://teipublisher.sf.net	
Scope of business: a web based functional digital repository	
Service offered: teiPublisher describes itself as 'designed to bridge the gap between having a collection of structured documents which are posted on the Web as static HTML or XML pages, and having a functional digital library'. It provides the tools to build and maintain an extensible, modular and configurable xml-based digital repository. It is designed so that content developers with very little or no experience in database development can mount a fully-searchable XML-repository online. teiPublisher utilises Lucene (an indexing tool) and eXist (an xml database). Demonstrations and downloads are available from http://teipublisher.sourceforge.net/docs/ .	
Type of material held	
teiPublisher does not itself offer storage	
Volume of material held/planned	
n/a	

CATEGORY: Data services	DPC member
UNITED KINGDOM DATA ARCHIVE (UKDA)	
<p><i>Location:</i> University of Essex</p> <p><i>DPC contact:</i> K. Schürer; schurer@essex.ac.uk</p> <p><i>URL for additional information:</i> www.data-archive.ac.uk www.esds.ac.uk</p>	
<p>Scope of business: UKDA is a centre of expertise in data acquisition, preservation, dissemination and promotion. It curates a large collection of digital data in the social sciences and humanities. It provides resource discovery and support for secondary use of quantitative and qualitative data in research, teaching and learning. It provides preservation services for other data organisations and facilitates international data exchange. UKDA collects material according to its collections development policy, though other data may also be accessioned if of exceptional merit and capable of being handled within current resources.</p> <p>It also: houses the Economic and Social Data Service, a joint venture with the Economic and Social Research Council (see ESRC entry under category F, Research Councils) and the Joint Information Systems Committee; hosts the AHDS History service (see entry under Arts and Humanities Data Service); and the Census Registration Service. It was appointed a place of deposit under the Public Records Act in January 2005, which facilitates its holding of government digital data such as the Family Resources Survey, General Household Survey and National Travel Survey.</p>	
<p>Service offered: subject to its collection policy and other objectives the data archive accepts digital material for storage and access on a commercial basis.</p>	
Type of material held	
<p>A variety of data types for academic research and teaching. These are created by academics, government departments and agencies and commercial companies. They include databases and associated metadata. They can take the form of statistical databases, relational databases, text files, image files, audio files. All those are 'born' digital. In addition, the data archive preserves digital copies of mainly historical documents, mainly in image formats.</p>	
Volume of material held/planned	
<p>Current collection = c. 3.5 Tbytes; facilities to increase core collection to c.10 Tbytes over next 3 years.</p>	

CATEGORY: Data services	DPC member
UNIVERSITY OF LONDON COMPUTER CENTRE (ULCC)	
<p><i>Location:</i> London</p> <p><i>DPC contact:</i> Kevin Ashley tel: 020 7692 1379, e-mail: K.Ashley@ulcc.ac.uk</p> <p><i>URL:</i> http://www.ulcc.ac.uk http://ndad.ulcc.ac.uk/</p>	
<p>Scope of business: The National Data Repository at ULCC provides a range of services with the primary focus on the long-term storage of material for immediate or future access to the general public or to closed user communities. Service includes format migration, conversion for dissemination, metadata conversion and delivery, description and annotation and end-user support. Also services for the rescue of digital material from some obsolete media formats and many obsolete file formats. Current preservation experience with databases, text formats, still and moving images, audio, websites and GIS. Consultancy on issues related to digital preservation and training, particularly in relation to records management and archives. ULCC provides services for the British Library and hosts the National Digital Archive of Datasets for The National Archives. ULCC also works in developing digital preservation standards, practice and training.</p>	
<p>Service offered: file storage or fully managed service, plus network access and cataloguing, as required. The service is available to customers on a commercial basis. Costs are dependent on data volume and a number of factors such as frequency of access and level of security required.</p>	
Type of material held	
<p>Research publications/journals, books, primary (i.e. unpublished) research material, databases, public records and other public sector record material held as an official repository, websites, other material. The product of own organisation's research programmes, material acquired for research or other purposes, created by others, created by others and passed to ULCC for reasons other than statutory deposit, the result of digitization programmes. Both 'born digital' and digital copy.</p>	
Volume of material held/planned	
<p>Present capacity of system up to 300 Tbytes; current holdings about 10 Tbytes, consisting of millions of separate objects and over 200 formats. Cannot make assessments at present of likely future growth</p>	

CATEGORY C: UK DEPOSIT LIBRARIES

CATEGORY: <i>Deposit Library</i>		<i>DPC member</i>
THE BRITISH LIBRARY (BL)		
Location: <u>London</u> and Boston Spa (Yorks)		
<i>DPC contact:</i> Helen Shenton, tel: 020 7412 7594, e-mail: Helen.Shenton@bl.uk		
<i>URL:</i> http://www.bl.uk/		
<p>Scope of business: <i>New Strategic Directions 2001</i>, the Library's vision for the following five years, lists its key responsibilities. They include 'ensuring the comprehensive coverage, recording and preservation of the UK national published archive'. This incorporates a growing proportion of digital materials; therefore the Library has developed a dedicated policy and set of strategies for digital preservation. The BL is a legal deposit library and new legal deposit legislation requires it to preserve digital publications by law. Preservation of digital material is a high priority for the British Library, which is also a partner in UKWAC (qv)</p>		
<p>Service offered: The BL collects and holds large volumes of digital material in accordance with legal requirements and its collection policies. No commercial service for other material is offered.</p>		
Type of material held		
<p>Research publications, journals, books, primary research material (e.g. e-manuscripts), records (though here there is particular scope for collaboration with other bodies, e.g. The National Archives, so that the Library is unlikely to collect records of this kind comprehensively), the Library's own management records and web pages, external websites, e-mail newsletters, and other materials. The scale of online and offline digital publication in the UK, and the priority given to UK publications within the British Library, means that the bulk of digital material will be British, but foreign research publications, journals, and books are also collected. This is subject to new Legal Deposit legislation concerning British digital materials, and within the framework of the Library's collection development policy, as approved by the Board and its selection policy.</p>		
Volume of material held/planned		
<p>Material received under Voluntary Legal Deposit ; number of items 200,500, c.1.5Tbytes. Approximately 7.5Gbytes per week. Average object size 7.7Mbytes.</p> <p>Digitised: c.30Tbytes</p> <p>Purchased Electronic journals; c1Tbyte.</p> <p>Digital audio holdings are c. 150 Tbytes, comprising CD audio c.120 Tbytes, CD-Rs c.15 Tbytes and smaller amounts of other digital formats (DAT, Betamax, VHS). Current rate of growth of digital audio material estimated at 30 Tbytes per annum, 90% of this being born digital.</p>		

CATEGORY: Deposit library	
CAMBRIDGE UNIVERSITY LIBRARY - DSpace@CAMBRIDGE	
<p><i>Location:</i> Cambridge University Library</p> <p><i>contact:</i> Peter Morgan, Project Director, DSpace@Cambridge, tel: 01223 333130, e-mail: pbm2@cam.ac.uk</p> <p><i>URL:</i> www.lib.cam.ac.uk/, www.lib.cam.ac.uk/dspace/</p>	
<p>Scope of business: As a legal deposit library with research collections of international importance, Cambridge University Library is committed to the long-term storage and preservation of information in all media; DSpace@Cambridge is its main project for digital curation and preservation of the University's intellectual output in digital formats. The project is now in the third of its three phases, as a pilot project running from January to December 2005. DSpace@Cambridge is an institutional digital repository; a system to store digital information and its descriptive metadata. It uses DSpace™, an open source digital repository software platform developed jointly by the Massachusetts Institute of Technology (MIT) Libraries and Hewlett-Packard Laboratories. Its main purpose at Cambridge is to capture and preserve academic and related content and to make it available online. Several University organisations and projects now use DSpace@Cambridge to hold, manage, preserve and provide access to digital collections.</p>	
<p>Service offered: CUL and DSpace collect and hold digital material in accordance with legal requirements and CUL collection policies. No commercial service for other material is offered.</p>	
Type of material held	
<p>For digital material originating within Cambridge University, all types of material (publications, learning objects, datasets, digitized library collections, admin records, etc.) are potentially included.</p> <p>Material of external origin will largely be restricted to items received by legal deposit and, to a lesser degree, purchased digital material.</p> <p>Both born-digital and digitized copies are included.</p>	
Volume of material held/planned	
<p>In 2005 storing approx. 400 Gbytes of digital material in long-term storage, mostly in-house digitization projects.</p> <p>Growth depends on the extent of CUL's commitments with regard to legal deposit intake and the uptake of DSpace services by the University.</p>	

CATEGORY: Deposit library	DPC member
NATIONAL LIBRARY OF SCOTLAND (NLS)	
<p><i>Location:</i> Edinburgh</p> <p><i>DPC contact:</i> Simon Bains tel: 0131 226 4531, e-mail: s.bains@nls.uk</p> <p><i>URL:</i> http://www.nls.uk</p>	
<p>Scope of business: NLS is a legal deposit library and therefore involved in legal deposit and the long term storage and preservation of large quantities of digitised material. The introduction of new legal deposit legislation also requires the Library to preserve digital publications by law. Preservation of digital material is a high priority. NLS is also a member of UKWAC(qv)</p>	
<p>Service offered: The NLS collects and holds digital material in accordance with legal requirements and its collection policies. No commercial service for other material is offered. The electronic resources held by the Library, and how to consult them, can be seen at http://www.nls.uk/catalogues/online/er/index.html.</p>	
Type of material held	
<p>i) Scottish websites.</p> <p>ii) Voluntary deposit and legal deposit of electronic material that could be born digital, or supplied as digital copies and in a variety of formats that reflect the personal or institutional expressions of the creators.</p> <p>iii) The result of an internal digitisation programme, with some further related files being produced externally (i.e. OCRd text using in-house TIFFs).</p> <p>The first two categories are expected to have the highest demands and form the bulk of digital preservation needs.</p>	
Volume of material held/planned	
<p>At present only surveys of in-house digitised content, not legal deposit of electronic material. c. 4 Terabytes on hard disk backed up onto tape. A more detailed survey is being undertaken.</p>	

CATEGORY: Deposit library	DPC member
NATIONAL LIBRARY OF WALES/ LLYFRGELL GENEDLAETHOL CYMRU	
<p><i>Location:</i> Aberystwyth</p> <p><i>DPC contact:</i> : Sally McInnes tel: 01970 632874, e-mail: sally.mcinnnes@llgc.org.uk</p> <p><i>URL:</i> http://www.llgc.org.uk</p>	
<p>Scope of business: The National Library of Wales is the memory of the Welsh nation; it is a legal deposit library. Traditionally it has collected, preserved and provided access to a wide variety of formats such as books, periodicals, newspapers, manuscripts and archives, maps, paintings, drawings and prints, photographs, sound and moving images. During the last few years electronic media have accounted for an increasing percentage of the material that the Library receives, and we now face the enormous challenge of preserving and protecting the digital memory of Wales, in accordance with the new legislation governing legal deposit of digital materials. A commitment to meeting this challenge is reflected in the Library's strategic document Knowledge, memory, identity, a corporate plan, 2005-2008, and articulated in the Digital Preservation Policy and Strategy, 2003. The NLW is also a member of UKWAC (qv)</p>	
<p>Service offered: The NLW collects and holds digital material in accordance with legal requirements and its collection policies. No commercial service for other material is offered. Digital resources held by the library can be seen at http://www.llgc.org.uk/drych/index_s.htm .</p>	
Type of material held	
<p>Voluntary deposit and legal deposit of electronic material which includes off-line and on-line formats, including websites;</p> <p>Archival collections which include `born-digital' and digitised material, in multiple formats on multiple media;</p> <p>A large number of digital images created through our extensive digitisation programme</p> <p>The Library's corporate records held on an EDRMS;</p> <p>Audio-visual material which is accumulated by the National Screen and Sound Archive of Wales.</p>	
Volume of material held/planned	
<p>Impossible to estimate the volume at present, without knowing quantity of material under the new legal deposit legislation, but we have the capacity to store more than 50 Tbytes of digital material</p>	

CATEGORY: Deposit library	DPC Member
OXFORD UNIVERSITY LIBRARY SERVICES (OULS)	
<p><i>Location:</i> Oxford</p> <p><i>DPC contact:</i> Ronald Milne, Acting Director of OULS; ronald.milne@ouls.ox.ac.uk</p> <p><i>URL:</i> www.lib.ox.ac.uk/</p>	
<p>Scope of business: Oxford University Library Services, which includes the Bodleian Library at its centre, is a legal deposit library. Its purpose is to collect, preserve, and make available information for the scholarly community in the University of Oxford, and to the wider world of scholarship. It has engaged in the world of digital information from the earliest days both as a creator and a consumer, and recognizes that ensuring long-term accessibility of both categories of digital information is an activity critical to its mission both now and in the future. It must also now operate in accordance with new legal deposit legislation for digital materials. Work on an eManuscript repository is progressing through the JISC-funded PARADIGM project http://www.paradigm.ac.uk, in conjunction with the John Rylands University Library, Manchester</p>	
<p>Service offered: OULS collects and holds digital material in accordance with legal requirements and its collection policies. No commercial service for other material is offered. Digital resources held by the Library as part of its Systems and Electronic Resources Service (SERS) can be seen at http://www.bodley.ox.ac.uk/elec-res.html.</p>	
Type of material held	
<ol style="list-style-type: none"> 1. Research publications (traditionally defined very broadly by the Bodleian Library). 2. Records: Oxford University digital records (in collaboration with OU Archives); public records of organizations which deposit material; business process records of the Library. 3. Websites, especially those produced within the Oxford domain (in collaboration with OUCS) 4. eManuscripts (eg author's papers, email etc in digital form) 5. Digitised materials, eg images derived from analogue originals within the Oxford collections. 	
Volume of material held/planned	
No information available at present	

CATEGORY: Deposit library	DPC member
TRINITY COLLEGE LIBRARY, DUBLIN (TCD)	
<p><i>Location:</i> Dublin</p> <p><i>DPC contact:</i> Susie Bioletti, Keeper Of Preservation And Conservation, Trinity College Library; tel: 00 353 1 6082203, e-mail: Susie.bioletti@tcd.ie</p> <p><i>URL:</i> http://www.tcd.ie/library/</p>	
<p>Scope of business: The Library of Trinity College is the largest research library in Ireland. In addition to the purchases and donations of almost four centuries, the Library has the right to legal deposit of British and Irish publications. As a Legal Deposit Library TCD library has a lead role as a repository for Irish electronic collections and will have responsibility for preserving this digital material when new Irish legal deposit legislation requires it to preserve digital publications.</p>	
<p>Service offered: TCD collects and holds digital material in accordance with legal requirements and its collection policies. No commercial service for other material is offered. The Library's electronic resources can be seen at http://www.tcd.ie/Library/resources/index.php.</p>	
Type of material held	
<p>Legal deposit and voluntary deposit, library records, surrogate copies of collection material, stand - alone handheld digital material. Digital holdings consist of a combination of digital copy material and 'born digital' material.</p>	
Volume of material held/planned	
<p>TCD provides access to approximately 30,000 e-journal titles provided by commercial subscription, and a small but growing number of e-books. Long-term storage and preservation rests with the commercial provider.</p> <p>Voluntary deposits of email attachment are currently received and stored. There will be no access to this material until a management system is developed in line with legal deposit libraries strategy for long-term preservation and access. Current size is in Gbytes.</p> <p>The Library is collaborating in the set-up of an institutional repository for archiving and preserving e-theses and college publications, as well as the development of a college research support system.</p> <p>Handheld digital material (DVD, CD) received under legal deposit is the subject of current planning for long-term access and preservation across all the legal deposit libraries. Collection size is in thousands.</p>	

CATEGORY D: LIBRARIES

<i>CATEGORY: Libraries</i>
e-PRINTS UK
<p><i>Location:</i> UKOLN and King's College London</p> <p><i>contact:</i> m.guy@ukoln.ac.uk for repositories information</p> <p><i>URL:</i> http://www.rdn.ac.uk/projects/eprints-uk/;</p>
<p><i>Scope of business:</i> the e-Prints UK project is developing a series of services through which the HE and FE community can access e-print papers, held, managed and made available by a group of compliant Open Archive repositories, 29 in June 05, which are listed at www.rdn.ac.uk/projects/eprints-uk/repositories/, particularly those provided by UK universities and colleges. OCLC will provide an automatic subject-classification Web service. The project is run by the Resource Discovery Network, a JISC service with ESRC and AHRB support – www.rdn.ac.uk. RDN is a cooperative network of over 70 research and educational organisations.</p>
<p><i>Service offered:</i> Further repositories are invited to join the e-Prints UK list. There is no commercial data storage or management service offered.</p>
<i>Type of material held</i>
<p>e-prints on all subject areas covered by the member repositories (it is they who hold the information)</p>
<i>Volume of material held/planned</i>
<p>66,000 records from 30 repositories at May 2005</p>

CATEGORY: Libraries	
JSTOR	
<p><i>Location:</i> JSTOR Main Office, New York, JSTOR Production, Ann Arbor, Michigan</p> <p><i>Contact:</i> http://www.jstor.org/servlets/FirstContact</p> <p><i>URL:</i> www.jstor.org</p>	
<p>Scope of business: JSTOR is a not-for-profit organisation which aims to provide access to digitised journal articles through a large digitisation, storage and access programme, for the benefit of the scholarly community. For details see http://www.jstor.org/about/. It has over 2400 participating institutions in the USA and 87 countries across the world, 300 participating publishers and currently about 560 journals which is planned to rise by 2008 by about 350. For a complete list see http://www.jstor.org/about/collection.list.html. Its users access the digitised archive through payment of a licence fee. It undertakes the conversion of the backfile archive of scholarly journal literature, digitising loaned, donated or purchased material. It is committed to providing the entire back run of the journals it selects.</p> <p>JSTOR is solely concerned with digitisation of journals, but is also developing its Electronic Archiving Initiative (known initially as e-Archive, now Portico) under the aegis of Ithaka, to explore the archiving of born-digital journal material – see separate entry for Portico.</p>	
<p>Service offered: Access to the journals held by JSTOR, which is by licence. The licence fee includes an Archive Capital Fee (ACF). Contributions designated for ongoing preservation activities. It does not offer any commercial data storage or repository service to others.</p>	
Type of material held	
Digitised journals, a wide range, both multidisciplinary and discipline-specific	
Volume of material held/planned	
It holds, as of May 2005, almost 3m articles online, amounting to about 17.5m pages.	

CATEGORY: Libraries	
LOCKSS	
<p><i>Location:</i> Stanford University, Cal. USA</p> <p><i>contact:</i> Vicky Reich, Director: vreich@stanford.edu</p> <p><i>URL:</i> http://lockss.stanford.edu/index.html</p>	
<p>Scope of business: A web publishing and access system, LOCKSS (Lots Of Copies Keep Stuff Safe) allows libraries to safeguard the digital journals they subscribe to. It uses funding from the Mellon and National Science Foundations, and raises funds through the LOCKSS Alliance - http://lockss.stanford.edu/alliance/alliance.htm. It creates low-cost, persistent digital "caches" of authoritative versions of http-delivered content, by using a web-crawler. These are held on the library's own computers using LOCKSS software – 'distributed repository model technology'. All file formats delivered through HTTP are included (html, jpg, gif, wav, pdf, etc.). The LOCKSS software is free to participating institutions; it enables them to collect, store, preserve and archive authorized content locally. It runs on inexpensive hardware and requires little technical administration, and is distributed as open source through http://www.sourceforge.net. At May 05 about 80 universities and libraries were participating, and about 60 publishers. The content is continually and automatically validated against the same content in other caches, to ensure that it doesn't get corrupted or lost. If it does, it can be replaced from the publisher or the other caches. LOCKSS's main purpose is to store older material, where access demands are not heavy; until that stage the material can be accessed in other ways, normally direct from the publisher.</p>	
<p>Service offered: Open source software to enable local libraries to operate data stores, with local access, for digital journals</p>	
Type of material held	
Digital journals	
Volume of material held/planned	
No detailed information	

CATEGORY: Libraries	
Portico (formerly e-Archive)	
<p><i>Location:</i> Princeton, NJ</p> <p><i>Contact:</i> Eileen Fenton ecfenton@ithaka.org</p> <p><i>URL:</i> http://www.portico.org/ ; www.ithaka.org</p>	
<p>Scope of business: Portico originated in 2002 as the electronic archiving initiative (e-archive) and was launched in its present form in 2005, with financial support from The Andrew W. Mellon Foundation, Ithaka, and JSTOR. Portico extends the JSTOR (qv) service for digitised journals to encompass electronic journals. It is a not-for-profit organisation sponsored by Ithaka (www.ithaka.org), which describes itself as '...a not-for-profit organization with a mission to accelerate the productive uses of information technologies for the benefit of higher education around the world'. Portico/ e-Archive's aims are to:</p> <ol style="list-style-type: none"> 1. define the archival service to be delivered to participating publishers and libraries; 2. formulate an economic model to support E-Archive's long term sustainability; 3. develop relationships with publishers who will entrust their content to E-Archive's care; 4. design and construct the appropriate technological infrastructure; 5. design and build a production infrastructure which supports the required content processing procedures; 6. conduct research into the financial impact that an electronic archive may have on libraries and publishers 	
<p>Service offered: Portico is the production level archive promised for 2005, offering access to e-journals, building on the work of e-Archive</p>	
Type of material held	
e-journals	
Volume of material held/planned	
No information yet	

CATEGORY E: RESEARCH CENTRE

CATEGORY: Research centre		DPC member
DIGITAL CURATION CENTRE (DCC)		
<p><i>Location:</i> e-Science Institute, University of Edinburgh, with some functions to be at other partner sites (Glasgow, Bath and CCLRC (qv) centres)</p> <p><i>contact:</i> info@dcc.ac.uk; tel +44 (0)131 651 1239</p> <p><i>URL:</i> http://www.dcc.ac.uk/</p>		
<p>Scope of business: The Digital Curation Centre does not offer digital repository services but, through its programmes, aims to help UK institutions to store, manage and preserve digital data, ensuring their continuing long-term use. It also aims to be a national focus for research into curation issues and to promote expertise and good practice for the management of all research outputs in digital format. Its expressed aims are:</p> <ol style="list-style-type: none"> 1. Establish a vibrant research programme - addressing wider issues of data curation 2. Nurture strong community relationships - forming and extending the Associates Network, engaging with scientific digital curators 3. Develop services - for testing and evaluating tools, methods, standards and policies in realistic settings, and to offer a repository of tools and technical information, a focal point for digital curators 4. Achieve the 'virtuous circle' - feeding expertise, experience and need into its research programme on data curation, and transforming research-led innovation into services that enhance <p>DCC is a consortium funded by JISC and ESRC, consisting, of University of Edinburgh (lead partner) and the University of Glasgow, which together host the NeSC; UKOLN, at the University of Bath; the Council for the Central Laboratory of the Research Councils (which operate the Rutherford and Daresbury Laboratories).</p>		
<p>Service offered: DCC offers online learning resources, tools, research and advice for digital preservation and curation activities within UK Higher and Further Education, aimed at data specialists, records managers, librarians, archivists, researchers (as data creators), and policy-makers. It does not offer digital repository services.</p>		
Type of material held		
No materials held		
Volume of material held/planned		
No materials held		

CATEGORY F: RESEARCH COUNCIL

<i>CATEGORY: Research Council</i>	
ARTS AND HUMANITIES RESEARCH BOARD (AHRB)	
See entry under Category B, Data Services, Arts and Humanities Data Service (AHDS) on page 13	

CATEGORY: Research Council	DPC member
COUNCIL FOR THE CENTRAL LABORATORY OF THE RESEARCH COUNCILS (CCLRC)	
<p><i>Location:</i> <u>Didcot</u>, Abingdon, Daresbury, Stockbridge</p> <p><i>DPC contact:</i> David Corney, tel: +44 1235 445993, e-mail: D.R.Corney@rl.ac.uk</p> <p><i>URL:</i> http://www.e-science.clrc.ac.uk/web/projects/Data_Curation_Centre</p>	
<p>Scope of business: : The CCLRC, formed in 1995, is a public body of the Office of Science and Technology, part of the DTI; it is one of the UK's Research Councils that, between them, provide the support required for university science and engineering research programmes. Scientific data and its preservation is CCLRC's core business it therefore needs to provide digital preservation advice, tools and facilities to CCLRC users and to research council users. It does this through its e-Science Centre - http://www.e-science.clrc.ac.uk/web/ - one of whose four main areas of activity is data storage and management.</p> <p>The Atlas DataStore (ADS), set up in 1983, is operated by the e-Science Centre and stores large amounts of digital user data independently of the physical medium currently in use. It uses the most cost effective medium and gives users the security that data can always be accessed even if the old media used when the data was first written are now unavailable. It has many users within CCLRC and externally. DataStore can be used remotely from anywhere in the world, via client software or GRID interfaces. More information is available at: http://www.e-science.clrc.ac.uk/web/services/datastore.</p> <p>Other research councils, notably EPSRC, BBSRC, NERC and PPARC, are involved in digital curation projects with CCLRC.</p> <p>The CCLRC owns and operates the Rutherford Appleton Laboratory in Oxfordshire, the Daresbury Laboratory in Cheshire and the Chilbolton Observatory in Hampshire. These world-class institutions support the research community by providing access to advanced facilities and an extensive scientific and technical expertise, including: to generate public awareness; to communicate research outcomes; to encourage public engagement and dialogue; to disseminate knowledge; and to provide advice.</p>	
<p>Service offered: Atlas DataStore provides data storage for user institutions; it also provides storage on request on a commercial fee-paying basis.</p>	
Type of material held	
<p>Scientific data in a variety of formats: Monte carlo, HDF, flat files ASCII etc, mostly born digital</p>	
Volume of material held/planned	
<p>DataStore has an online nominal capacity of 1 PT; storing infrequently used files offline increases this capacity substantially.</p>	

CATEGORY: Research Council	
ECONOMIC AND SOCIAL RESEARCH COUNCIL (ESRC): ECONOMIC AND SOCIAL DATA SERVICE (ESDS)	
<p><i>Location:</i></p> <p>Contact: help@esds.ac.uk</p> <p>URL: http://www.esds.ac.uk/</p>	
<p>Scope of business: See also the entry under category B, Data Services, for the UK Data Archive (UKDA) - http://www.data-archive.ac.uk/</p> <p>ESRC jointly-funds and sponsors, with the Joint Information Systems Committee (JISC) the ESDS, which is a distributed, national data service housed at the UKDA. ESDS was set up in 2003, as a new national data archiving and dissemination service. It is a distributed service, based on a collaboration between four key centres of expertise: UK Data Archive (UKDA), University of Essex; Institute for Social and Economic Research (ISER), University of Essex; Manchester Information and Associated Services (MIMAS), University of Manchester and Cathie Marsh Centre for Census and Survey Research (CCSR), University of Manchester. These centres will work collaboratively to provide preservation, dissemination, user support and training for an extensive range of key economic and social data. ESDS replaces the social science data services offered previously by the UKDA and MIMAS with a single joined-up service.</p>	
<p>Service offered: <i>ESDS Access and Preservation</i> is the core of the ESDS and focuses on the central activities of data acquisition, processing, preservation and dissemination. It brings together the four centres of expertise in data creation, preservation and use listed above.</p>	
Type of material held	
Economic and social data, both quantitative and qualitative, spanning many disciplines and themes.	
Volume of material held/planned	
See UKDA entry, page 21	

CATEGORY: Research Council	
MEDICAL RESEARCH COUNCIL (MRC)	
<p><i>Location:</i> London plus many research centres across UK</p> <p><i>Contact:</i> peter.dukes@headoffice.mrc.ac.uk</p> <p><i>URL:</i> http://www.mrc.ac.uk/index</p>	
<p>The MRC has launched a data sharing and preservation initiative, and produced a draft policy statement (www.mrc.ac.uk/strategy-data_sharing_policy-link). This policy emphasises the importance of data sharing and preservation. It states that 'MRC plans to facilitate development of generic technical standards and tools to enable dataset discovery and, for high-value datasets established with MRC funding, data sharing and preservation' Also that 'Investigators requesting funds for new data collection or renewal of funding will be required to include a data sharing and preservation plan in their proposals'. The policy assumes that data sharing will be normal practice. Applicants whose data are not amenable to sharing should include in the research proposal reasons for not making the data available.</p> <p>MRC is working with data curation experts to develop good practice guides on data preservation, management and sharing strategies. The guides will focus on population-based research data but will also set out generic principles for other researchers faced with decisions about preserving their data for future use. There will be consultation with the stakeholder community throughout the process to ensure that its needs are met.</p>	
<p>Service offered: No services offered at present; there are no plans to establish any data services or repositories</p>	
Type of material held:	
None	
Volume of material held/planned:	
None	

CATEGORY: Research Council	
NATURAL ENVIRONMENT RESEARCH COUNCIL (NERC)	
<p><i>Location:</i> data held at seven data centres across the UK – see website for details</p> <p><i>contact:</i></p> <p><i>URL:</i> www.nerc.ac.uk/data</p>	
<p>Scope of business: Environmental science datasets are collected or generated by NERC scientists and NERC-funded Higher Education Institutions. Datasets are also placed into the custody of NERC as a result of statutory obligations, voluntary deposits, negotiated exchanges or purchase. There are seven designated Data Centres with delegated responsibility for NERC data and implementation of its data policies. All major projects are required to prepare a written data management plan in line with NERC policy. If a dataset is to form part of NERC's enduring data resource, minimum standards are required for its management.</p> <p>NERC has a formal data policy statement and its practice in handling data is clearly set out in its Data Policy Handbook, which includes further detail on the seven data repositories. The policy can be seen at http://www.nerc.ac.uk/data/documents/datahandbook.pdf, and the data handbook is available as a pdf document, http://www.nerc.ac.uk/data/documents/datahandbook.pdf. Policy and handbook require consideration of the 'post-project' stewardship of data before approval will be given for a 'project, and that recipients of NERC grants offer to deposit with NERC a copy of any resulting datasets.</p>	
<p>Service offered: data is held in accordance with the data policy. No purely commercial service is offered.</p>	
Type of material held	
Environmental science datasets	
Volume of material held/planned	
<p>No consolidated information, though further detail on the holdings of each Data Centre can be seen at the NERC website http://www.nerc.ac.uk/data/directory.shtml.</p>	

PART 2: PRIVATE SECTOR SERVICES

CATEGORY A: DATA SERVICES

CATEGORY: Data services	
BIO-MED CENTRAL OPEN REPOSITORY	
<i>Location:</i> London HQ <i>Contact:</i> info@openrepository.com <i>URL:</i> http://www.openrepository.com/	
Scope of business: a repository service marketed to universities and research institutions, operated by Bio-Med Central which is an open access publisher for medical journals. Open Repository offers to set up a data repository, tailored to the institution in question. Its offer is that it provides hosting services, data backups, technical support, and guarantees ongoing customer support, while the institution itself retains complete administrative control over the repository. The offer includes reformatting if appropriate, uploading and access services – note, though, that many of the services only come with the costlier service options (see below). Details at http://www.openrepository.com/features/default.html#Set_up .	
Service offered: a commercially run repository service, offering three levels of service, standard, silver and gold edition. Each offers setup on a DSpace Open Source platform with hosting, maintenance, backup, access, search and support services. The silver and gold editions offer additional services and functionality (such as XML conversion and automatic markup) and greater volumes of storage at additional cost, with economies of scale. Fees consist of an initial setup charge and an annual maintenance charge, with some services (eg KML markup) being charged extra. Ownership and control of material are stated to remain with the customer. See http://www.openrepository.com/Products.html for further detail.	
Type of material held	
Journals, articles, theses, research material etc	
Volume of material held/planned	
No defined limit; no information on present scale	

CATEGORY: Data services	
FILETEK Inc	
<p><i>Location:</i> Maryland, US, plus offices in London and Brussels</p> <p><i>Contact:</i> Ann Dyball, Regional Area Manager UK, tel +44 207 872 5583; Ann.Dyball@filetek.com</p> <p><i>URL:</i> www.filetek.com; for general inquiries, info@filetek.com</p>	
Scope of business: data management products plus associated consultancy and support	
<p>Service offered: StorHouse data management product offers scalable data storage, management, and access, with the potential to hold large volumes of data. It combines scalable storage devices and Open System processors with specialized storage management, file system interface, and relational database management system software components. Filetek worked with the UK National Archives (TNA) on its 04 Pilgrim Trust Preservation award winning Digital Archive system (qv), and was responsible for the archiving and storage management component of the system.</p>	
Type of material held	
Filetek offers commercially available services; it does not itself hold or store material	
Volume of material held/planned	
Not applicable	

CATEGORY: Data services	
MOVING MEDIA	
<p><i>Location:</i> Dublin, Republic of Ireland</p> <p><i>contact:</i> Simon Factor, Director of Operations, tel +353 1 488 5849; simon@movingmedia.tv; also info@movingmedia.tv</p> <p><i>URL:</i> www.movingmedia.tv</p>	
<p>Scope of business: primarily digitisation of audio visual materials for preservation and access; included because its new MediaPort service offers digital data storage and access on a commercial basis.</p>	
<p>Service offered: Moving Media provide analogue audio-visual media digitisation and asset management services to media archivists, broadcasters and museums; digital media encoding and metadata capture to preserve audio visual content and to enhance access potential. MediaPort is a new, web based tool, using standard client browser technology, offering scaleable hosting of digital media archives, and citing digital preservation among its facilities, along with controlled access for web users. Offered with training and support packages. Consultancy also available. Costs, available from the company, are based on amounts stored and on access requirements. MediaPort url: www.movingmedia.tv/dataservices.html</p>	
Type of material held	
Digital audio and video, high and low resolution, stored online and offline	
Volume of material held/planned	
Hosted client archives from 500Gbytes to 4Tbytes	

CATEGORY B: CONSULTANCY AND DEVELOPMENT SERVICES AND SUPPORT

CATEGORY: Consultancy and development services and support	
AUDATA	
<p><i>Location:</i> Ashford and Canterbury <i>contact:</i> info@audata.co.uk <i>URL:</i> www.audata.co.uk/</p>	
<p>Scope of business: Audata offers strategic and practical services, software systems and advice about information, records, document and archives management. It has significant experience in digital preservation, having taken part in two major public sector projects relating to digital preservation. It was a member of the team working on the Dutch government's digital preservation Testbed project, from 2001 to 2003, where its role was to provide strategic consulting including practical experiments and implementation. For further information see http://www.digitaleduurzaamheid.nl/home.cfm. It also project managed the project to assemble a digital archive for The National Archives at Kew. For further detail see http://www.nationalarchives.gov.uk/preservation/digitalarchive/default.htm.</p>	
<p>Service offered: customised development relating to digital preservation and storage needs; archive management services; record and document management systems; training etc.</p>	
Type of material held	
Not relevant	
Volume of material held/planned	
Not relevant	

CATEGORY: Consultancy and development services and support	
THE DIGITAL ARCHIVING CONSULTANCY	
<p><i>Location:</i> Twickenham, London</p> <p><i>Contact:</i> info@d-archiving.com</p> <p><i>URL:</i> www.d-archiving.com</p>	
<p>Scope of business: The Digital Archiving Consultancy provides companies and public institutions with assistance with planning and development of systems for the long-term management of curation of digital assets. It advises on the preservation of digital data and documents of all kinds and provides strategic advice to senior management on the direction which their planning for long-term digital asset management should take, including financial and legal factors. It develops archiving systems specifications and offers workshops and training courses. It offers special skills in the area of scientific and technical data, including the pharmaceuticals sector.</p> <p>Projects include reports for the UK public sector, for example the e-Science Curation Report (See: http://www.jisc.ac.uk/uploaded_documents/e-ScienceReportFinal.pdf), and work for the British Library, Joint Information Systems Committee, the DPC, The National Archives, DTI, the Wellcome Trust and the Research Councils.</p>	
<p>Service offered: Consultancy services on strategy formulation, and on planning and delivery for digital data management, curation and archiving. Also workshops, seminars, and requirements, specifications and archive systems designs.</p>	
Type of material held	
Not relevant	
Volume of material held/planned	
Not relevant	

CATEGORY: Consultancy and development services and support	
MAGUS RESEARCH LTD	
<p><i>Location:</i> Highgate, London</p> <p><i>Contact:</i> contact@magus.co.uk</p> <p><i>URL:</i> www.magusresearch.com</p>	
<p>Scope of business: Magus describes itself as an online management information company. It offers services as an Internet content and information management specialist, with a strong portfolio of information management services and capabilities in search, retrieval and managed applications. Magus was chosen to manage and support the UK Web Archiving project (UKWAC) (qv) – see www.magusresearch.com/webarchive.html</p>	
<p>Service offered: corporate website development services, including expertise in web archiving.</p>	
Type of material held	
Not relevant	
Volume of material held/planned	
Not relevant	

CATEGORY: Consultancy and development services and support	
TESSELLA	
<p><i>Location:</i> Abingdon, Berks <i>contact:</i> info@tessella.com <i>URL:</i> http://www.tessella.com/tessella/index.htm</p>	
<p>Scope of business: Tessella is a software services company specialising in the support of scientific, technical and engineering establishments. It has taken part in four important public sector projects in the digital preservation field: PRONOM for The National Archives (qv); being a team member in setting up a digital archive system for The National Archives - see http://www.pro.gov.uk/about/preservation/digital/archive/default.htm; and being a team member of the Testbed development project for the Dutch national archives – see http://www.digitaleduurzaamheid.nl/home.cfm. For further details on this aspect of Tessella’s work see http://www.tessella.com/Services/Sector/public_digitalarchiving.htm. Tessella’s US arm is also a member of the Lockheed Martin team which is competing with another supplier for the contract to develop NARA’s Electronic Records Archive (ERA) system to store, manage and make available federal electronic records.</p>	
<p>Service offered: customised development relating to digital preservation and storage needs. Also consultancy services</p>	
Type of material held	
Not relevant	
Volume of material held/planned	
Not relevant	