# Institution: UCL

# Unit of Assessment: 36

## a. Overview

UCL Department of Information Studies (DIS) comprises digital humanities; archives and records management; publishing studies; knowledge organization and representation; and library and information studies. Much of our research is directed at developing innovative methods and defining the boundaries and scope of these fields, which are emerging academic disciplines internationally, while pursuing professional application and relevance. The UCL unit of submission to Panel 36 includes 18 researchers in DIS (up from 15 in 2008), and one researcher from the field of science communication. Doctoral students and seven early career researchers recruited since 2010 (ECRs, names are <u>underlined</u>) are critical to the vitality and sustainability of our disciplines. We have focused on improving doctoral recruitment, scholarships (AHRC BGP1, CDAs, industry sponsorship), timely progression and DIS research training. Our central London location facilitates our engagement with professional practitioners in librarianship, archives, and publishing. We maximise productivity by collaboration with academics in many other subjects at UCL and abroad, by externally funded research, co-authorship and a facilitative research culture, while also encouraging individual, conceptual research. We are recognised internationally as a world leading Department in our core disciplines.

### Structures for research

In the past decade, we have improved the coherence of our research strategy and structures, bringing together doctoral students, Research Associates, ECRs and established researchers into four research centres, one for each sub-field: UCL Centre for Digital Humanities (UCLDH), successor to CIRCAh; International Centre for Archives and Records Management Research (ICARUS); UCL Centre for Publishing (CfP); Knowledge Organisation and Representation Group (KOARG, brings together the Applied Logic and Knowledge Organisation groups). The CIBER research group became a commercial consultancy in 2011. These centres facilitate interaction between researchers; offer research support and career development for ECRs and doctoral students; and provide coherence and sustainable structures for researchers, who may work across more than one research centre and collaborate with other parts of UCL.

# b. Research Strategy

Our strategic aims are to innovate in emerging research fields; adopt participatory and collaborative approaches; engage users and communities in the research process; and sustain high levels of international interaction. These aims are delivered through the four research centres. • Innovation and vitality in emerging research fields:

DIS innovates in the fields of digital humanities; archives and records management; publishing studies; and knowledge organisation and representation. Since 2008 we have built research volume and quality in strategic research areas (especially digital humanities) and consolidated research in emerging areas (publishing studies, participatory/community archives, knowledge organisation). We actively collaborate with other disciplines, allowing us to address questions not amenable to single scholar or mono-disciplinary research. We will continue to support scholars who work in traditional paradigms (scholars, such as Yeo, have international reputations and their work is recognised by the award of prestigious prizes) however, increasingly our research is undertaken in a digital environment. The outstanding development of our work in digital humanities since 2010 could not have been achieved without new digitally-enabled research models, such as the multi-disciplinary crowd-sourcing Transcribe Bentham project. New staff appointments in publishing studies and knowledge organisation will help us to continue to develop those disciplines.

• Participatory and collaborative research approaches:

DIS has built a strong network of professionals, practitioners and users in libraries, archives, cultural heritage fields and the commercial sector, in the UK and abroad, enabling us to undertake participatory research; improve impact and public dissemination; and develop new research methods which engage with non-academic participants. The huge growth of digital humanities in DIS has largely emerged as a result of collaborative research, a recent example is the EU FP7-ICT funded TranScriptorium (Terras). In archives and records management, the INTERPARES Trust project brings academics and professionals from 18 countries on 4 continents together (funded by SSHRC, 2013-18, Yeo, Shepherd, Flinn, Bunn). We are part of AHRC-funded London Arts and



Humanities Partnership which will fund 400 doctoral studentships and provide an integrated doctoral training environment (2014-18). Our scholars are regularly invited to contribute to leading national and international research collaborations (detailed in sections D and E).

• User participation and community engagement:

We are committed to engaging users and communities with the research process, and establishing high levels of interaction as planned in 2008, including some policy-led research. Warwick and Terras's work on digital resources in archaeology and museums has enabled us better to understand user needs and experiences, and made possible new methods of interaction with museum objects, and historical material (Transcribe Bentham, QRator). Flinn's work with community archives engages users with participatory resources in physical space (Community Archives and Identities, Dig Where We Stand). Bultitude researches effective public engagement in science communication, especially engaging hard-to-reach audiences. <u>Duke-Williams</u> contributes to public policy debates about the use of quantitative, census data.

• International interaction:

DIS researchers collaborate extensively with prestigious international research teams. Terras, Warwick, Yeo and Flinn, among others, have given numerous international plenary and keynote talks. We also host visits by leading international researchers, including Dr Frauke Zeller (Marie Curie fellow, 2012-13), Professor Jeannette Bastian (Simmons College Boston, 2013), Professor Maria Osuna Alarcon (University of Salamanca, 2012), Dr Siu-Ten Shen (National Formosa University, 2009), Dr Irini Pitsaki (Ionian University, 2009). Our academics are invited as Visiting Professors overseas (Shepherd to Toronto 2009, Yeo to UBC 2010, Flinn to Simmons College Boston 2011). Yeo's visiting professorship at UBC led to successful collaboration on the UBC-led INTERPARES Trust project. Flinn's visiting professorship at Simmons led to further international collaboration in participatory archives and social justice with Toronto and Michigan Universities. Warwick was co-applicant and leader of one of the four research groups (User Experience, 2009-2011) of the Canadian-led INKE project. Dillon's research into Chinese, Japanese and Korean (CJK) Internationalised Domain Names (IDNs) enabled the Internet Corporation for Assigned Names and Numbers (ICANN) to take an important step towards a truly multilingual internet. Researchers have leadership roles in international learned societies, and organise and chair programme committees of leading international conferences (see section E).

### **Research centres infrastructure**

The collaborative research centre model delivers critical mass and funding in four key areas.

• UCL Centre for Digital Humanities (UCLDH) (Warwick, Terras, <u>Nyhan</u>, <u>Duke-Williams</u>, Welsh, <u>Dillon</u>, with Rayner)

UCLDH is the hub of a research network connecting DIS with other research activity within UCL, in the faculties of Engineering, Arts and Humanities, Laws, the Slade and the Bartlett, to conduct research into the creation, documentation and use of digital resources in the arts and humanities and cultural heritage (Warwick, Terras, <u>Nyhan</u>, Welsh, <u>Dillon</u>), crowd-sourcing (Terras, <u>Nyhan</u>), digital community engagement (doctoral student Richardson), social media (Warwick, Terras, Welsh), digitisation, image processing, 3D scanning (Terras), census data and GIS (<u>Duke-Williams</u>), Internet of Things (Terras, Warwick), text encoding and dictionary studies (<u>Nyhan</u>), metadata and principles of description (Welsh). UCLDH obtained £130,000 start-up funding in 2010 from UCL Provost's Strategic Development Fund to produce digital applications and models that make possible new kinds of research, in the humanities disciplines and in computer science, and to help embed the study of these techniques in cultural heritage, memory institutions, libraries, archives and digital culture. UCLDH has been successful in over £9.05m in collaborative grants since 2010 (UCLDH share £1.2m).

 International Centre for Archives and Records Management Research (ICARUS) (Flinn, Shepherd, Yeo, <u>Bunn</u>, with Warwick, <u>Nyhan</u>)

ICARUS researches the creation, management and use of records and their role in society, with a focus on access to information and public information policy (Shepherd, Flinn, AHRC-funded project 2008-09, ESRC-funded project 2013-18, doctoral students Ramirez Gonzales & Duffus); description and representation (Bunn, Yeo, CDA, doctoral students Seelakate & Sucha-Xaya); community and participative archives (Flinn, Shepherd, <u>Nyhan</u>, AHRC-funded project 2008-09, HLF/AHRC-funded project 2012-13, CDAs Eveleigh & Sexton); history of recordkeeping (Shepherd); and conceptual understandings of records and archives (Yeo, doctoral student Penn).



Projects are typically cross-disciplinary and collaborative, within UCL, with leading cultural heritage organisations, and with archival educators in Canada, USA, Sweden and Australia. Researchers in ICARUS won £767,000 in grants in 2008-2013, mainly as PIs. Shepherd and <u>Duke-Williams</u> (UCLDH) are Co-Is in an ESRC-funded project worth £9.07m (2013-18).

• UCL Centre for Publishing (CfP) (Stevenson, Rayner, Canty, Bultitude)

CfP research in publishing studies embraces all media and multiple audiences. Situated close to many major publishing businesses, CfP research informs the publishing industry; authors, readers and librarians; science communicators; government and professional organisations in STEM. It offers vibrant ideas, insights and evidence in a digital networked world. CfP collaborates with Whitakers, the Publishers Association and EDItEUR to deliver monthly Digital Publishing Forum seminars to academic, professional, educational and trade publishers, and has obtained industry scholarships for doctoral students from the Stationers Company and Faber. Research specialities include history of publishing, copyright and communication (Stevenson, doctoral students O'Connell & Calder), social media and the digital transformation in publishing (Rayner, <u>Canty</u>, Bultitude), science communication (Bultitude), scholarly editing, paratexts, and publishers' archives (Rayner, Stevenson).

• Knowledge Organisation and Representation Group (KOARG) (Broughton, Miller, <u>Bikakis</u>, Gildersleeves, <u>Inskip</u>)

KOARG researches the theoretical foundations of information organization, knowledge representation and reasoning, using, for example, structured knowledge organization systems, formal ontologies, and symbolic logic. Current research in knowledge organisation (Broughton, doctoral student Whaite) is on the creation of new structured terminologies and syntaxes for subject domains and the facet analytical approach to retrieval. <u>Inskip</u> researches the information needs of creative professionals in music and Gildersleeves researches library services for children and young people. Knowledge representation research (Miller, <u>Bikakis</u>) focuses on logic-based methodologies for representing and reasoning about knowledge, beliefs, preferences and causality (including Reasoning about Action, Nonmonotonic Reasoning and Argumentation Systems). KOARG is part of the Applied Logic Group, an association of London-based academics interested in computational logic, and of research groups including International Society for Knowledge Organization (ISKO), Universal Decimal Classification Consortium and the Bliss Classification Association.

### Future plans

- 1. To increase collaboration between disciplines in DIS to tackle research areas such as digital curation and preservation; community engagement in physical and digital spaces; and the impact on readers and publishers of digital publishing.
- 2. To deepen collaborations with community groups and cultural heritage organisations and investigate new methods of physical and digital user engagement, such as co-creation of research with citizens, through our commitment to impact and public engagement activities.
- 3. To continue to collaborate with the best international researchers to develop critical mass, foster vitality and develop new approaches in emerging fields.

# c. People, including: I Staffing strategy and staff development

### Staff development strategy:

Research potential and achievement are key factors in staff appointments and promotions. Our strategy is to attract, develop and retain excellent researchers who will engage with the emerging academic disciplines represented in DIS and with relevant professional and policy research. Staff departures and retirements released posts which have been used to ensure future vitality through the recruitment of both experienced staff (Rayner) and seven <u>ECRs</u> (Welsh has also progressed from probationer to ECR to permanent academic since 2008). Recent appointments have enabled us to build on existing strengths in digital humanities (<u>Nyhan</u>, <u>Duke-Williams</u>, <u>Dillon</u>, Welsh), library and information studies (<u>Inskip</u>), and archives (<u>Bunn</u>), and emerging areas of publishing studies (<u>Canty</u>, Rayner) and knowledge organisation (<u>Bikakis</u>). We have strengthened our group of senior researchers through internal promotion and by international Visiting Professors and a Marie Curie Fellow. We have made post-doctoral appointments as RAs on funded projects and further post-doctoral recruitment, eg Leverhulme Trust Early Career Fellowships, is an important future priority.



DIS offers a supportive working environment for all researchers, guided by the Concordat to Support the Development of Researchers and Vitae's Researcher Development Framework. Staff participate in UCL's comprehensive Professional Development Programme (including finance, project management, communication skills, research supervision and management, grant writing and networking skills) and receive mentoring, research management and practical support. Annual 'away days' for DIS staff discuss doctoral supervision, research strategy and research management. From 2012 all research staff received a research allowance of up to £1500pa to attend conferences or to purchase research resources or equipment. Staff can apply for pump-priming grants from the Faculty and UCL Grand Challenges (up to £7500 each) in preparation for externally funded applications.

Staff appraisal enables researchers to evaluate and plan their personal, professional and career development and managers to support researchers by setting objectives and monitoring progress. Outstanding research achievement is a primary criterion for promotion. Applications are assessed by a multi-Faculty committee and by UCL promotions committee. Since 2008 six DIS researchers have been promoted: Warwick (Reader 2009, Chair 2011), Flinn (Senior Lecturer 2009, Reader 2013), Terras (Reader 2010, Chair 2013), Shepherd (Chair 2011), Yeo (Senior Lecturer 2013), Broughton (Senior Lecturer 2008, Chair 2013).

UCL policies on equalities and diversity and Athena SWAN award underpin DIS recruitment and promotion of staff and recruitment of doctoral students. Personal circumstances, such as maternity or sick leave, disability, caring responsibilities, or part-time working are taken into account when promotion or probation cases are assessed. DIS has a Departmental Equal Opportunities Officer (DEOLO). Unusually, four of our five professors are female (HESA national average 1:5). We actively seek ways to increase diversity in research, exemplified by our participatory approaches to the study of marginalised and community heritage groups.

### Support for ECRs:

ECRs are given a reduced teaching load (60 not 120 contact hours pa) and fewer administrative responsibilities while on probation to allow them time to develop their research. They are integrated into the research centres; act as second supervisors to doctoral students; are Co-Investigators with more senior researchers on research projects, and supported to apply independently, initially for research start up and seed-corn funds. In 2012, DIS began a programme of fortnightly research seminars to discuss research grant applications, research management and provide a DIS-wide forum to exchange ideas and good practice between senior and junior researchers and doctoral students. Probationers develop and implement a development plan and are supported by UCL's ECR development programme and Faculty research training, by the HoD and by a senior academic mentor. To pass probation, ECRs must have achieved, or made significant progress towards, the 'independence and originality of their research programme.'

### Sabbatical leave and Staff exchanges:

Sabbatical leave was formerly on an ad-hoc basis, to allow members of staff to complete important research projects, or to take up visiting professorships abroad. In 2012 a formal programme of leave was introduced, funded by the Faculty, in line with UCL expectations that researchers should have one term free of teaching and administration after 3 years service. In addition, researchers returning to DIS from maternity (2 researchers) or long-term sick leave (1 researcher) take an additional term's leave for research.

Many staff have professional and industry experience and we benefit from their networks and research ideas. We co-supervise doctoral students with senior professionals and we engage them in our research activities, thus enabling knowledge exchange.

### c. II. Research students

Research students are central to our research strategy and are integrated into our research centres. Our research degree programme aims to equip students with skills necessary to produce research of the highest academic merit, addressing complex information issues. Some are engaged directly in funded projects (eg QRator, Dig Where We Stand) where they work in a



research team, publish and present papers. UK students are often senior practitioners from a range of professional backgrounds (eg BBC, BL, local, university and national archive services, commercial publishing) and win Research Council scholarships such as CDAs. Overseas students supported by government or Commonwealth scholarships come to develop their academic careers (from Mexico, Uganda, Chile, Jamaica, Thailand). We welcome visiting research students who come for a few months, for instance from Institut National du Patrimoine, Paris. We encourage doctoral students to speak at academic and professional conferences and international seminars (including those specifically for doctoral students, eg annual USA AERI summer school) and to collaborate on publications and conference presentations and posters with staff.

18 full- and 11 part-time doctoral research students and 4 MRes students were admitted during 2008-13 (compared to 12 full-time, 12 part-time and 3 MRes students in the previous census period). Since 2008 we have increased numbers and improved the quality of doctoral applicants, running open evenings and attracting scholarships from both academic and commercial sources, especially in under-recruiting areas (eg publishing, which now recruits strongly). Doctoral students work on collaborative projects with organisations beyond academia, which also strengthens students' public engagement skills. We have won 3 AHRC CDAs (with TNA and The Wellcome Library, to study digital description, social media use in archives and participatory archive models); a UCL-funded Impact studentship (with the BL and National Library of Wales on the use of large scale digital collections); a scholarship for a cross-disciplinary training year and another for an AHRC internship; and co-supervise 3 EPSRC-funded Eng-D studentships (with London Metropolitan Archives on document imaging, and 3D scanning of objects in the Science Museum). International doctoral students are supported by scholarships from the Commonwealth Scholarship Commission, the Royal Thai Embassy (2), the Embassy of the State of Qatar and CONICYT (the national research funding agency in Chile). 30 doctoral students were studying with us at 31 July 2013, 18 on scholarships. As part of AHRC-funded London Arts and Humanities Partnership future doctoral students will benefit from studentships and an integrated doctoral training environment (2014-18). During the census period 9 PhDs and 1 MRes were awarded. High completion rates reflect a selective recruitment process and excellent monitoring and support while at UCL.

In 2012 DIS established a weekly research methods seminar programme for doctoral students, run by the Departmental Graduate Tutor, at which researchers share their own experience in research methods, publication, networking, career development and public engagement with students. Learning materials are shared on UCL's VLE Moodle. The classes help to foster the research culture, to build research skills and to prepare students for milestones such as upgrade (all PhD students are initially registered for the MPhil and upgrade to full PhD status after 12-18 months) and their future research careers. Doctoral students also engage with other researchers in DIS fortnightly research seminars, which provide a supportive environment for students to present and receive feedback. Each doctoral student has a primary and a secondary supervisor whom they meet regularly. UCL's Graduate School provides skills development (eg induction, ethical research practice, research methods, academic writing, teaching, self-management): scholarship-funded students must collect at least 20 training points annually. Students can develop their skills through employment as research/teaching assistants and are represented on Departmental Staff-Student Consultative and Research Committees. Doctoral students use the UCL Research Student Log to assess their skills, record training courses and research progress: supervision is also recorded on Portico, UCL's student record system. A dedicated workroom for DIS doctoral students is equipped with a PC, printer and scanner: they also have access to Faculty and UCL social and research facilities and research support funding for conferences and research trips.

The doctoral programme's success is reflected in a strong record of employment both inside and outside academia. Graduates have obtained senior professional posts, such as that of Head, Curation and Preservation Services, MIT Libraries, USA; Chief of Archives at the United Nations and hold academic posts throughout the world (UK, Mexico, Uganda, Botswana, Canada).

### d. Income, infrastructure and facilities

In 2010, DIS moved to a newly renovated building at UCL, representing an investment of £750,000. A Multi-Modal Digitisation suite was established in 2013 (£100,000 multi-Faculty



funding). The Head of Department (HoD) has overall responsibility for research strategy in DIS. DIS Research Committee (meets termly, chaired by Director of Research, includes research student representation) provides Departmental management of research and of Research Ethics. UCL's Code of Conduct for Research governs our approach. The Research Manager (appointed 2011) supports the development and submission of research bids (eg financial, HR advice). The Departmental Graduate Tutor is responsible for the doctoral programme, supported by the Faculty Graduate Tutor. Faculty structures provide a sustainable research environment, co-ordinated by Vice Dean Research (Warwick, 2009-2013), including advice on bid drafts and funding sources, sabbatical leave arrangements, a multi-Faculty Research Committee, and Research Facilitators. The Faculty Institute for Graduate Studies (FIGS) enhances the research environment for graduate students and staff through research seminar programmes and research support funding.

We also benefit from UCL's broader research computing infrastructure; UCL Grand Challenges (GCs); Public Engagement Unit (PEU); UCL Library Services; and UCL Consultants. Led by Vice Provost Research, GCs provide an infrastructure for collaborations across subjects, to address cross-disciplinary research problems. Warwick was on the steering group of GC Intercultural Interaction (2009-13) and was Co-I of GC-funded Social Media Project on which Bultitude worked. Flinn is co-lead of the Cultural Heritage Group. GCs also funded Decoding Digital Humanities (RA Ross), informal monthly workshops for researchers and practitioners; Digital Humanities Project Starter Workshop (Terras); and The World of UCL, 1828-1948, research into the diversity of the student base (Welsh). UCL's PEU (one of 6 HEFCE Beacons for Public Engagement) helps us to deliver research impact through links with the public and practitioners beyond academia. QRator (Warwick, Terras, RA Ross), participatory digital community archives project with Untold London (RA Stevens, Flinn) and Dig Where We Stand community skills training (Flinn) were PEU-funded. We also have a strong record of providing consultancy, through UCL Consultants, to a number of organisations including Europeana, The Wellcome Foundation and ICANN. UCL's Library Services offer our researchers specialist research collections of international standing, facilities such as quiet, IT-enabled study space, and extensive e-resources (including Nielson Bookdata and Library and Literature Fulltext). UCL Discovery gives access to UCL's research publications. Research support services include interlibrary loans, information skills training, reference management, alerting services, bibliometric data, citation metrics and open access publication funding.

Our research is funded by national and international research agencies. DIS researchers are regularly involved in large (multi-million pound total grants awarded) multi-faculty projects as Co-Is and also act as PIs and Co-Is on smaller, more focused research where the whole grant award comes into DIS. The range of funding agencies and partnerships illustrates our discipline span and the amounts won, including several large research grants awarded in 2013, show our research excellence in depth and our future potential. International funding (total of 7 projects) has come from the Social Sciences and Humanities Research Council of Canada (SSHRC) for the INKE project (Co-I and research strand lead, Warwick, 2009-2012, £25,600) and INTERPARES Trust (Co-Is Shepherd, Yeo, Flinn, Bunn, 2013-18), ICANN (Domain Names project, PI <u>Dillon</u>, £270,000), the Andrew Mellon Foundation (Consolidated Bentham, Co-I Terras, 2012-14), the EU FP7 (TranScriptorium, Co-I Terras, award total £2.5m; CONSIDER project, Co-I Bultitude, 2012-15, £25,000) and a Marie Curie Fellowship (PIs Warwick & Terras, 2012-13, £61,000).

Nationally, DIS has won research funding from three research councils (AHRC, ESRC and EPSRC) as well as from JISC, Research Information Network, Carnegie Trust, The National Archives and the Wellcome Trust. We have been particularly successful in winning AHRC research grants as PIs and as Co-Is on AHRC and ESRC-funded research. We have won 7 research grants from the AHRC (total funding £1.07m, DIS share £451,000) including Community Archives and Identities (PI Flinn, Co-I Shepherd, 2008-10, £166,000), Impact of Freedom of Information (PI Shepherd, Co-I Flinn, 2008-09, £93,000), Digital Lives (Co-I Rowlands, 2007-09, £65,000), Image, Text, Interpretation (Co-I Terras, 2007-2011, £26,000), Transcribe Bentham (Co-I Terras, 2010-11, total award £262,000), Dig Where We Stand, 2012 and Continuing to Dig, 2013 (both PI Flinn, total £90,000). ESRC has funded 3 large projects on which DIS researchers were Co-Is and 2 projects led by DIS researchers. <u>Duke-Williams</u> is Co-I on UK Data Service-Census Support (2012-17, £2m, DIS share £283,000), UCL-Celsius ONS Longitudinal Study (2012-17, £1.26m, DIS share



£44,000) and ADRC-E (with Co-I Shepherd, 2013-18, £9.07m, DIS share £169,000). Warwick led Understanding Lawyers and Architects Information Behaviour (2009-2010, £71,000) and doctoral student Williams led Optimising Website Design (2012, £16,000). We have 1 award from EPSRC (Text Visualisation, Co-I Terras, 2011-12, total award, £0.97m). JISC has funded 4 projects (total DIS share £356,000) including the VERA and Linksphere projects (Warwick, Terras, 2007-09, 2009-11).

We have a strong record of winning research grants from UK and international funding agencies, with several recent awards and more bids being prepared. Our researchers benefit from the infrastructure and facilities available to us within UCL and we have been successful at demonstrating our value to UCL leading to significant investment in both staff and facilities for DIS. We anticipate being able to build on these investments in the coming years to further develop our research contribution and results.

### e. Collaboration and contribution to the discipline or research base

#### Collaboration:

Collaboration with researchers, practitioners, users, communities and the general public is vital to DIS's research strategy. We collaborate with many disciplines within UCL (English, Museum Studies, Archaeology, Engineering, Centre for English Lives and Letters (CELL), Centre for Advanced Spatial Analysis (CASA) in the Bartlett, Laws, Museums and Collections, Constitution Unit). DIS researchers also play an active role in developing our disciplines through research leadership and collaboration in the UK (with the Universities of Reading, Oxford, Leeds, Manchester, Cambridge, Southampton, Westminster, King's College London and London University School of Advanced Study) and internationally (with UBC on INTERPARES Trust project, includes 19 universities internationally; University of Victoria Canada, on INKE project, includes 21 mainly North American universities; and the Universities of Toronto, Alberta, Michigan, and British Columbia). We also collaborate with a wide range of non-academic organisations including The National Archives, British Library, Wellcome Library, London Metropolitan Archives, British Museum, Science Museum, Imperial War Museums, National Gallery, Courtauld Gallery, the Bodleian Library, Oxford, UK Office for National Statistics, Archaeology Data Service and International Records Management Trust, DIS researchers are actively sought by peer institutions for their expertise and invited to take part in numerous international advisory boards, peer review and other scholarly contributions (detailed below).

### Contributions to the discipline:

DIS researchers are extremely active in highly regarded, peer reviewed, national and international contributions to the different disciplines represented. ECRs are strongly encouraged to develop their skills through these external activities, as appropriate to their career stage.

*Peer review:* UK: AHRC: Peer Review College (6 members); Standing Panel 6, member (2006-2009); Chair DEDEFI call 2009; AHRC/NESTA/Arts Council Digital Research & Development Fund panel (2 members). ESRC: Peer Review College; Bengali Books online, 2010; Digital Transformations, 2013; Big Lottery Fund (all 1 member). International: Canadian Social Sciences and Humanities Research Council (SSHRC) (3 members), Italian Ministry for Education University and Research (MIUR) (2 members), Italian National Agency for the Evaluation of Universities and Research Institutes (ANVUR) (2 members). Individual members of: European Science Foundation; Austrian Science Fund; Swiss National Science Fund; Estonian Science Foundation; MacArthur Foundation (USA); Romanian National Research Council.

External promotion/tenure evaluation: Duquesne University, USA, University of Ghana, University of Toronto, University of Michigan, University of Liverpool.

*University research advisory panels:* Advisory Board members for 13 university research projects & centres in UK, Germany, USA, Canada and Sweden, including University of Oxford, Board of Curators of the University Libraries; Mid-Sweden University, EU-funded CEDIF Research Centre; Digital Manuscripts to Europeana (DM2E), EU Framework 7.

*Research Councils advisory, strategy or review boards:* Research evaluation, technical advisory board membership of 12 national and regional research infrastructure advisory boards in Italy, France, Germany, Canada, Spain, Belgium and the UK, including Committee Scientifique, Project



Campus Condorcet; Universitat Autonoma de Barcelona; European Science Foundation Science Policy: Research Infrastructures in the Humanities.

*Fellowship of learned societies:* Fellow, Royal Society of Arts (2); Fellow, Institute of Classical Studies; Freeman of Worshipful Company of Stationers.

Organisation of conferences and scholarly encounters: Chairs/co-chairs of 9 international conference programme committees, including Digital Humanities 2009, RuleML 2012, 6th International Symposium on Rules, Cultures of the Digital Economy conference. Membership of 9 international conference program committees, including 2010 IEEE 6th International Conference on e-Science. Conference Organising Committee or Co-organiser on 8 occasions in UK, USA and Asia, including National Committee for Information Resources on Asia annual conference, ISKO, Digital Humanities 2008. External peer review for 7 conferences, including 28th International Conference on Logic Programming, iConference 2012 & 2013.

*Invited keynotes and lectures*: over 110, including at XVI and XVII Congresso Brasileiro de Arquivologia, Santos, São Paulo/Rio de Janiero, Brazil; V Conference on Archival Information Databases, Rio de Janiero, Brazil; Philosophy of the Archive conference, Royal Society of Edinburgh; Norwegian Archivists Conference; Arkivakademiets 20-årsjubileum, Oslo, Norway; SLAIS Colloquium, University of British Columbia, Vancouver, Canada; Allen Smith Lecture, Simmons College, Boston; CAS/MillerComm Lecture Series, and Digital Humanities Seminar, University of Illinois at Urbana-Champaign; Royal Historical Society / UK National Archives Gerald Aylmer Seminar; 4th International Conference on the History of Records and Archives Conference, Perth, Western Australia; Memornet Summer School, University of Tampere; 12th Fiesole Collection Development Retreat, University of Leuven; eScience Institute Workshop, Oxford eResearch Centre, University of Oxford; Digital Humanities Summer Institute, University of Victoria, Canada; Exploring Digital Humanities, University of Gent; Digital Arts and Humanities Institute, National University of Ireland, Galway; Interface 2011, University College London; Digital Humanities 2010, Kings College London; DigitalHSS - A Day of Ideas, University of Edinburgh; Institut national d'histoire de l'art, Paris.

Seminar series: Co-Convenors: Digital Classicist Seminar; London Seminar in Digital Text and Scholarship; Archives and History seminar, IHR; C21st Curation.

Scholarly fellowships and awards: Allen Smith Visiting Scholar Fellowship, Simmons College, Boston, USA 2011; Visiting Professor, University of Toronto, FIS; Visiting Professor, UBC; Emerald Literati Award for best paper in Program 2009; Mander Jones Award Australian Society of Archivists; Society of American Archivists Ernst Posner Award.

Contribution to journal editorship and preparation: Editor/joint editor of 6 journals, including Journal of Society of Archivists (A rated in ERIH ranking, 2 individuals), Archives & Records, Interdisciplinary Science Reviews. Editorial Board membership of 13 journals, including International Journal of Population Research, Archival Science, Informatica Umanistica, Aslib Proceedings, Journal of Information Management.

Leading positions in professional subject associations and learned societies, including

International Council on Archives, Section on Archival Education, Vice-President (1), Board members (2); Community Archives & Heritage Group, Committee and Steering Group member, Vice-Chair, Chair; Secretary of the Association of Literary and Linguistic Computing; Co-ordinator & founding member, 4Humanities.

Other contribution to professional associations or learned societies including Member of the Hellenic Association of Artificial Intelligence; Trustee, Poetry Archive; Research Information Network, Consultative Group for LIS.

*Examination of doctorates:* UK: Universities of Oxford, Oxford Brookes, Glasgow, Napier, Queen Mary, University of London and internal to UCL. International: Universities of Wellington, New Zealand, Queensland, Queensland University of Technology, Sydney University of Technology, Australia, Universiti Teknologi MARA Malaysia, Mid-Sweden University.

Refereeing academic publications or research proposals: for over 15 journals, including Journal of Documentation, Journal of Digital Culture and Electronic Scholarship, Literary and Linguistic Computing International, Archives and Manuscripts, Logos, Records Management Journal, Theory and Practice of Logic Programming (TPLP). Book proposal reviewing for publishers including CUP, Routledge, University of Wisconsin Press, Facet Publishing: Series editor, Principles and Practice in Archives and Records Management; International editorial board member, iResearch Monograph Series.