

18 June 2007

JISC  
Northavon House  
Coldharbour Lane  
Bristol  
BS16 1QD

### **JISC Capital Programme – April 2007 Call for Projects**

To Whom It May Concern

In response to JISC Circular 01/07 inviting institutions to submit funding proposals, I am writing in support of the enclosed proposal by the University of Warwick for the funding of an institutional repository set-up project. The submission comes with the University's strongest endorsement.

I can confirm that the University has committed to making available the institutional funding contribution required for the proposal.

Thank you in advance for your consideration.

Yours sincerely,



S B Palmer

**Professor Stuart Palmer**, *FREng*  
Deputy Vice-Chancellor  
University House  
The University of Warwick  
Coventry CV4 8UW United Kingdom  
Tel: +44 (0)24 7657 4004  
Fax: +44 (0)24 7652 4578

**Cover Sheet for Proposals***(All sections must be completed)***Name of Capital Programme: Repositories and Preservation Programme****Bid for Calls :** (Please tick ONE BOX ONLY, as appropriate)**Discovery to Delivery and Interoperability Demonstrators (Strand C)**
**Call I – Interoperability  
Demonstrators**
 a) Interoperability demonstrators
**Repository Start-Up and Enhancement (Strand D)**
**Call II – Repository  
Start-Up and  
Enhancement Projects**

- 
- a) Repository start-up projects
- 
- 
- b) Repository enhancement projects
- 
- 
- c) Rapid innovation projects: enhancing repository content

**Digital Preservation Across the Lifecycle (Strand H)**
**Call III – Digital  
Preservation Across the  
Lifecycle**
 a) Digital preservation across the lifecycle
**Name of Lead Institution:** UNIVERSITY OF WARWICK**Name of Proposed Project:** WARWICK RESEARCH ARCHIVE PROJECT (WRAP)**Name(s) of Project Partner(s):****Full Contact Details for Primary Contact:****Name:** Anne Bell**Position:** University Librarian**Email:** anne.bell@warwick.ac.uk**Address:** University Library, The University of Warwick, COVENTRY CV4 7AL**Tel No:** 024 7652 3033**Fax No:** 024 7652 4211**Length of  
Project:** 18 months**Project Start** 01 October 2007**Project End Date:** 31 March 2009**Date:****Total Funding Requested from JISC:** £29,910

| <b>Funding Broken Down over Financial Years (Apr – Mar):</b>  |                      |                      |
|---|----------------------|----------------------|
|   | <b>Sep07 - Mar08</b> | <b>Apr08 – Mar09</b> |
|   | £4,682               | £25,228              |
| <b>Total Institutional Contributions: £184,636 (86%)</b>  |                      |                      |
| <b>Outline Project Description</b>  |                      |                      |
| <p>The aim of the project is to establish, populate and promote an interoperable, open access and trusted Institutional Repository (IR) service known as <b>WRAP</b> (Warwick Research Archive Project). The repository will house e-prints (both pre- and post-prints) as well as e-theses. The repository, using common standards and open source software, will provide open access to the designated research outputs. The target is to make available between 1,500-3,000 e-prints over the course of the eighteen-month project. In addition, the project will enable the development of the local infrastructure required to handle approximately 350 theses per annum in addition to any retrospectively digitised under the proposed EthOSnet service</p> <p>Using web service enabled tools, applications and appropriate standards, the new service will support the objectives of both the JISC Information Environment to improve access and integration (e.g. through the use of appropriate technical standards) and the e-Framework.</p> <p>The project will capitalise on the learning from early adopter institutional repository projects (including Edinburgh, the Repositories Support Project etc.) and will make full use of the range of initiatives and shared infrastructure services sponsored by JISC to support IR developments. WRAP will also explore opportunities to build additional services around the IR although, given the priority focus on content population and project duration, it is likely that such work will largely be progressed after the end of the project. Each project phase will include qualitative and quantitative formative evaluation in addition to the summative project evaluation.</p> <p>A number of innovative features will be included in the project that have wider applicability:-</p> <ol style="list-style-type: none"> <li>1) An evaluation of the ways in which the repository can be integrated with Warwick's general purpose search engine (a bespoke, Lucene-based application), so that searches of Warwick's general web site can optionally include the repository as part of the corpus</li> <li>2) Interoperability with other systems within the university that hold data relating to the institution's research outputs will also be considered, most notably with the InfoEd and Expertise systems</li> <li>3) Exploration of the ways in which the repository can be integrated with our Shibboleth-based single-sign on system, and, eventually, to establish whether it is possible to expose repository resources via Warwick's membership of the UK Federation.</li> </ol> |                      |                      |
| <b>I have looked at the example FOI form at Appendix A and included an FOI form in the attached bid (Tick Box)</b>  | <b>YES</b> ✓         | <b>NO</b>            |
| <b>I have read the Circular and associated Terms and Conditions of Grant at Appendix B (Tick Box)</b>   | <b>YES</b> ✓         | <b>NO</b>            |

# WARWICK RESEARCH ARCHIVE PROJECT (WRAP)

## 1. Introduction

1.1 The aim of the project is to establish, populate and promote an interoperable, open access and trusted Institutional Repository (IR) known as **WRAP** (Warwick Research Archive Project) as part of the "JISC Repository Net". This will provide a tool to publish, manage, disseminate, deliver and preserve research outputs produced within the University, a 'Top 5' UK research institution (as graded following the 2001 Research Assessment Exercise) that is yet to develop an IR presence. The repository will house e-prints (both pre- and post-prints) as well as e-theses.

1.2 The repository, using common standards and open source software, will provide open access to research outputs – thereby enabling their re-use and supporting an increasingly rich scholarly communications environment for the benefit of both the wider national/international research community as well as for researchers based at Warwick. The project will also include evaluation of ways in which the Warwick IR can support interoperability with both local and national systems and services, and their implementation as appropriate. WRAP will also explore opportunities to build additional services around the IR although, given the priority focus on content population and project duration, it is likely that such work will largely be progressed after the end of the project.

1.3. Members of the project team will engage actively with relevant projects and programme level co-ordination activities and will share project learning. It is additionally intended that (as appropriate) reflections on the project by the project team will inform professional publishing and presentations to help provide practical advice to the wider Library and Information Science (LIS) community and to promote good practice. A community dissemination event will also be staged at Warwick, focusing on the researcher's perspective. This may (subject to confirmation) be developed in collaboration with sectoral bodies such as SCONUL<sup>1</sup>, CURL<sup>2</sup>, RIN<sup>3</sup>.

## 2. Appropriateness and Fit to Programme Objectives

2.1 The arrival of a new Vice-Chancellor, Professor Nigel Thrift, at Warwick in 2006 has led to even greater ambitions for the University to develop its research base (and hence the number of its research outputs). The institution wishes to raise the profile and visibility of its research base further in order to help generate and attract new research (including multi-disciplinary) opportunities. At the same time, moves towards 'stabilisation' of relevant technologies and standards impacting on the IR environment means the University of Warwick now feels the timing is appropriate for it to develop its own IR. The Vice Chancellor and senior academic management of the university have supported a proposal to fund the development of a repository from 2007/08, thereby ensuring the long-term sustainability of the repository. As such, the project is embedded both within the institutional strategic framework and the Library Strategic Plan.<sup>4</sup>

2.2 However, the volume and quality of research outputs already produced by the approximately 1,100 FTE research active staff at Warwick (including three highly-cited authors) is considerable, before account is taken that this is set to increase. Since 2001 alone, for example, details of 9255 research papers (but not the full text) produced by Warwick staff have been maintained in a database managed centrally by Research Support Services. However, it is not mandatory for academics to ensure their details are updated on that database. We know that as a result coverage is a) not up-to-date and b) is particularly patchy in certain disciplines. We estimate that a total of approximately 13,000 research papers have been produced over that period alone. In addition, approximately 350 PhD theses are deposited in the Library each year. Based on experience elsewhere of establishing IRs we are conscious that the task to secure, process and make this volume of data readily accessible is considerable.

---

<sup>1</sup> <http://www.sconul.ac.uk/>

<sup>2</sup> <http://www.curl.ac.uk/>

<sup>3</sup> <http://www.rin.ac.uk/>

<sup>4</sup> See <http://www2.warwick.ac.uk/services/library/main/basics/about/aims/stratplan.pdf>

**2.3 Funding support from JISC will enable a significantly larger corpus of material to be added to the IR within the first eighteen months than would otherwise be feasible. On current estimates we believe this will enable a critical mass of content to be achieved within that timeframe as opposed to the approximately three years it would otherwise take.**

2.4 Our intention is to establish a “virtuous circle” – the sooner we reach critical mass the better the interests of the global research community are served (through increased access to quality research outputs) and the easier it will be to demonstrate the value of depositing content in the IR to late adopters at Warwick.

2.5 The project supports the JISC’s vision to “establish a network of digital repositories and services, in order to significantly improve content use and curation”. In addition, using web service enabled tools, applications and appropriate standards, the project will support the objectives of both the JISC Information Environment to improve access and integration (e.g. through the use of appropriate technical standards) and the e-Framework. The project also supports the JISC strategy to help enhance the UK’s competitiveness and the contribution of HE and FE to society and the economy. It does so by contributing to a successful research and innovation system built upon the open exchange of ideas, information and knowledge, thereby improving access to publicly funded research.

2.6 The project will learn from early adopter institutional repositories (e.g. Edinburgh, the Repositories Support Project etc. with whom we have already been in contact), including in relation to their content population strategies. We will also consult, liaise with and make full use of, the range of initiatives and services sponsored by the JISC to support IR developments (e.g. reports such as the Digital Repositories Roadmap, the work of the Common Repository Interfaces Group, the Repositories Research Team, the Repository Support Team, Digital Curation Centre, etc.) as well as relevant recent initiatives (e.g. shared infrastructure services such as user-profiling services, the pilot licence registry, the DEPOT development, digital rights management work, preservation services etc.), including those funded under this call.

### 3. Innovative Project Features

3.1 The project will enable a number of innovative features to be considered. This includes an exploratory component to evaluate ways in which the repository can be integrated with Warwick’s general purpose search engine (a bespoke, Lucene-based application), so that searches of Warwick’s general web site can optionally include the repository as part of the corpus. Interoperability with other systems within the university that hold data relating to the institution’s research outputs will also be considered. Most notably, this includes integration with key processes and systems such the InfoEd and Expertise systems run by the University’s Research Support Services group. These hold data about research expertise and publications and interoperability between the two would potentially facilitate the ability of users to identify a researcher’s outputs alongside their profile details. We also intend to explore ways in which the repository can be integrated with our Shibboleth-based single-sign on system, and, eventually, to establish whether it is possible to expose repository resources via Warwick’s membership of the UK Federation. All these project features have significant potential wider application across UK HEIs.

### 4. Overall Value to the JISC Community

4.1 The project will provide a range of benefits to the various stakeholder communities:

a) The wider research community will benefit from interoperable access to – and presentation of – a wealth of research in a single, readily accessible place thereby supporting discovery, access and use. (The project has an ambitious target to make available between 1,500 and 3,000 papers within eighteen months, as part of the growing network of national (and international) repositories).

b) Researchers will also benefit from speedy, desktop access to Warwick e-theses. Our target is to develop the local infrastructure over the course of the project to be able to handle approximately 350 theses per annum in addition to any retrospectively digitised under the proposed EthOSnet service.

c) JISC will benefit from a significant volume of quality research outputs being added to the core national Information Environment infrastructure.

d) The Library is a member of the NEREUS Consortium<sup>5</sup> and a partner within the Network of European Economists Online (NEEO) Project. The project will enable Warwick to take an active role in the consortium's agenda to facilitate access to the key research outputs from the top European Economics departments.

e) The LIS community will benefit from the project's dissemination strategy (including publication and presentations) involving practical advice and good practice (the importance of JISC-funding being recognised in this dissemination). [Members of the project team already have a track record of publishing and presenting nationally and internationally.]

f) The University will benefit from a shop window to increase the visibility and exposure of its research, supported by workflow processes that over time will be embedded in the research process. In addition it will benefit from the improved management of institutional assets based upon a coherent and co-ordinated approach to the capture, identification, storage, preservation and retrieval of institutional research data. Researchers will benefit from the secure preservation of their research outputs over time (which will not be lost if they move to other institutions or retire). Less established researchers at Warwick will benefit from dissemination of their work to support networking (a need expressed in internal focus groups) and the opportunity to raise their profile. The Library and IT Services will benefit from improved understanding of, and capability in, the management of local digital assets.

## 5 Project Plan, Implementation, Deliverables and Management

### 5.1. Project Plan

Elements of the project plan are detailed below, but in outline the plan involves: the selection of a number of pilot departments followed by a widening of the scope; the design and evaluation of workflows for populating the repository; research into inter operability of the repository with other systems in use at Warwick; an advocacy, training and support strategy; evaluation and reflection following each implementation phase; appraisal of the resources required for both technical and procedural support of the repository as it is scaled up to support all departments in the longer term and appraisal of the value-added services which could be implemented post project.

### 5.2 Implementation

5.2.1 Following commissioning of the IR server, WRAP will use the EPrints open source institutional repository software developed at the University of Southampton. EPrints was selected as it offers a mature and robust software solution that supports the different types of material that can, potentially, be deposited in a repository. The software is flexible and appears to have a stable development strategy and environment led by the University of Southampton. Furthermore, EPrints is the most widely deployed institutional repository software across peer institutions to the University of Warwick within the Russell Group. It is anticipated that the University will find a ready resource within the active EPrints user community and be in a position to share in an already well-established network of implementors. EPrints software will also provide persistent identifiers in the form of stable urls, ensuring on-going access to resources through time.

5.2.2 In order to support e-theses, and interact with the EthOSnet service, the University will apply the EThOS e-prints OAI plug-in. This will enable the University to act as a service provider for the provision of e-theses metadata.

5.2.3 As part of its commitment to the Information Environment and e-Framework the IR will adopt metadata standards that enable interoperability between and across repositories. The adoption of appropriate standards is an integral part of enabling the repository to interface with the broader information environment. The following standards and protocols will be adopted: Dublin Core; UK Metadata Core Set for ETD (UKETD); Scholarly Works Application Profile; OAI-PMH. The project will also engage with appropriate emergent standards.

---

<sup>5</sup> See <http://www.nereus4economics.info/>

5.2.4 WRAP will provide access both within and outside the University. It will be available as a resource that can be searched alone, as well as through federated searching, being available as a target repository to the Intute Repositories Search Project etc. It is also anticipated that metadata will be harvested by OAIster through the application of OAI-PMH. The repository will be available for the EthOSnet central hub to harvest e-theses metadata, using the UKETD, via OAI-PMH. In this way the institutional repository will ensure maximum engagement with the information environment whilst also answering local needs.

5.2.5 A standard electronic submission form will be adopted for research papers in order to maximize consistent input of data. The submission of objects to the repository will be done on a mediated basis. Quality control of metadata will be achieved through this mediated workflow. The Library will provide metadata librarians to ensure that quality control, and alignment to standards, are achieved.

## 5.3 Profiling

5.3.1 The selection of pilot departments will be informed by analysis of profile data including their known or anticipated receptiveness, the quality and quantity of the department's research outputs and the perceived opportunity to progress partners up the 'ladder of loyalty' to ensure stakeholders become partners in future advocacy programmes. In addition, the identification of pilot departments will be used to reflect known differences in working cultures (see below). The Medical School and Economics are expected to be amongst the first pilot departments based on initial profile data, their expressed interest in being involved at the earliest possible stage and our involvement in the NEREUS Consortium.

## 5.4 Pilots

5.4.1 Experience implementing the IR with the first phase of pilot departments will enable us to consider:

- Support services required by academics
- Workflow and time management planning, including identification of deposit issues (e.g. understanding of types of material eligible for deposit, etc)
- IPR and copyright issues
- Advocacy issues (including policy and guidance for researchers) and opportunities (using the pilots as a marketing tool to encourage future stakeholder involvement)

5.4.2 This will inform a process of evaluation and reflection so that appropriate changes can be implemented for the next phase of departments approached to provide repository content.

## 5.5 Project Timetable

### 5.5.1 *Phase One: Pre-Project Phase*

**July - September '07:** Pre project preparation including: IR commissioning; business process reviews and user requirements analysis; stakeholder needs analysis; repository structure; initial workflow, metadata, procedural and policy development; consideration of digital preservation issues; review of work from relevant JISC projects on developing the common information and communications environment, as well as relevant international initiatives (e.g. SURF, DEST, DRIVER); confirmation of project management arrangements (informed by JISC's Project Management Guidelines)

### 5.5.2 *Phase Two: Initial Pilot Phase*

a) **October - December '07:** Implementation of e-prints pilot with 4 initial departments (one per faculty); completion of policy, licensing and authorisation framework (including deposit and re-use licenses); preparation for next phase including stakeholder consultation; confirm overall evaluation strategy and criteria for success; evaluate integration between the IR and Warwick's general purpose search engine; finalisation of institutional e-theses deposit arrangements; further policy development (IPR, third party copyright, FOI etc.); policy development for long-term access/preservation (both for local and distributed environment).

b) **January – May '08:** Formative initial e-print pilot phase evaluation to inform project enhancements; bring on early implementation departments across all faculties (6-8 depending on the volume of research outputs per department etc.); finalise dissemination plan; evaluate integration between the IR and other appropriate systems within the University such as the InfoEd and Expertise systems; implement e-theses pilot and review/evaluate pilot phase.

c) **June – September '08:** Continue bringing on early implementation departments, identify the potential to integrate the IR with our Shibboleth-based single sign-on system and whether it is possible to expose repository resources via Warwick's membership of the UK Federation; first phase of e-theses project following pilot review; formative evaluation to inform second e-print pilot phase.

#### 5.5.3 Phase Three: Second Pilot Phase

**October '08 – March '09:** Further scaling up to involve more departments (c. 12) to support embedding and institution-wide IR usage beyond the early adopter departments; implementation, as appropriate, following evaluation of the opportunities for interoperability with local systems; exploration of potential integration with our Shibboleth-based single sign-on system and whether it is possible to expose repository resources via Warwick's membership of the UK Federation.; appraisal of potential value-added services for subsequent development; summative project evaluation including a focus to inform future service developments.; prepare for local dissemination event,

#### 5.5.4 Phase Four: Post Project Phase

**April '09 -:** Ongoing e-prints and e-theses implementation; implement or prepare business case (as appropriate) for IR-related value-added services. Stage local dissemination event.

## 5.6 Project Deliverables

- The technical commissioning of the WRAP institutional repository
- Adoption of metadata schemas and design of deposit workflow(s)
- Access to a large corpus of research papers with an ambitious target of making available 1,500 – 3,000 papers by the end of the project
- Development of a local infrastructure capable of handling approximately 350 theses per annum in addition to any retrospectively digitised under the EthOSnet project
- Evaluation of inter operability issues relating to search, authentication and federated access
- An assessment of future needs and opportunities, including other IR data types (e.g. research data) and the opportunity to build additional services around the IR
- A Warwick repositories web site to promote and support learning and good practice
- Dissemination activities at local, programme and national level (including support for other institutions that can benefit from our interoperability/integration investigations)

## 5.7 Project management arrangements

5.7.1 The project will be sponsored by the University Librarian and directed and co-ordinated by the University's Deputy Librarian, in line with the JISC Programme Management Framework and terms and conditions of grant. Day-to-day management responsibility will lie with the e-Repositories Manager (to be appointed) supported by the e-Repositories Assistants (to be appointed). The project management team will consist of the Deputy Librarian, the e-Repositories Manager, the Head of Academic Support, the Data Services Manager and the Assistant Director (Head of the Web Development team) within IT Services. Co-opted members, including academic colleagues, will be invited as required.

5.7.2 The Library's Data Services team will be responsible for metadata creation, development of the standard electronic submission form and data harvesting. They will also work closely with the e-Repositories Manager on supporting local development of the EPrints software. The Library's Academic Support team will work closely with the e-Repositories Manager on the advocacy, training and dissemination programmes. Management of the server and the EPrints application will be provided by IT Services.

5.7.3 Regular progress reports will be presented to both the University's Information Policy and Strategy Committee and Steering Committee (in addition to JISC's reporting requirements).

## 5.8 Project risk mitigation

| Risk  | Mitigation   |
|---|--|
| Delay in appointing, or failure to appoint, project staff   | Contingency arrangements will be identified and implemented as appropriate. Options include, for example, use of temporary staff, redeployment of existing library staff temporarily or for the entire project etc.  |
| Insufficient suitable e-print content available on a timely basis because of a) lack of academic support or b) IPR problems and lack of publisher agreement to deposit in an IR | a) Allocate sufficient resources for advocacy, training and user support. Ensure ongoing support for project by senior officers of the university (who have already mandated deposit). Target sympathetic departments.<br>b) Data from other IR projects suggests this risk can, in part, be managed by means of streamlined permission seeking processes. Initiatives such as the ROMEO are now much further developed and should mean fewer problems than early adopters experienced |
| Insufficient e-theses content available on a timely basis   | Preliminary discussion has already been undertaken, and will be re-visited, with key stakeholders and administrators to support this development.  |
| Metadata creation too time-consuming or complex to be practicable   | Examples from other institutions suggests that process can be made manageable; quality and range of metadata could be adjusted if necessary. We anticipate developments with Deposit API and batch ingest & the move to a distributed submission model   |
| Repository software turns out to be unfit for purpose   | Mature, well-understood repository software already in use at many other institutions has been selected  |

## 5.9 Licensing and IPR issues

A robust and practical licensing scheme will be implemented, taking due account of IPR and copyright issues (including, for example, the implications of the JISC-SURF copyright partnership, the work of Rightscom and approaches such as the creative commons etc.). A model deposit license will be developed to cover requirements necessary to store, organise and manage repository content including: access and distribution rights; digital preservation; metadata and item removal; liability; reuse; confidentiality issues and Freedom of Information (FOI) issues.

## 5.10 Sustainability issues

Warwick has experience in the technical issues associated with the long-term support of web applications; its general purpose content management system has been running for over five years, and the technical resource and expertise required to keep a repository application running indefinitely are available within the institution. More important is the resource needed to continue the process of populating the repository, and potentially to expand its remit to cover a broader range of content types. Institutional funding has already been agreed to fund the Repository Manager (1fte) and Repository Assistant (0.5fte) on an ongoing basis, thereby securing sustainable content management. A key deliverable from the project will be formal assessment of the resources required to support the management and operation of the repository if its remit were expanded to cover a broader range of content types (e.g. research data; teaching and learning materials etc.) and if additional services were built around the IR service. (This has arisen not least given the recent AHRC funding decision about the AHDS, which may or may not lead the other Research Councils to review current practise, and will include learning from the StORe project.)<sup>6</sup>

<sup>6</sup>[http://www.jisc.ac.uk/whatwedo/programmes/programme\\_digital\\_repositories/project\\_store.aspx](http://www.jisc.ac.uk/whatwedo/programmes/programme_digital_repositories/project_store.aspx)

## 6 Engagement with the Community

### 6.1 Advocacy, training and support

6.1.1 A key aspect of the project will be an advocacy, training and support campaign to secure content and promote use of repositories. Warwick has a history of Subject Librarian liaison with academic departments and so has a good understanding of departmental needs and different disciplinary working cultures. Preparatory work has shown that some departments see a greater need for an IR service than others (usually linked to conditions of grant award from bodies such as the Wellcome Trust and the Research Councils which mandate open access), that understanding of what is acceptable for deposit varies, and that some departments (largely in the sciences) already have IR experience whilst for others this will be completely new.

6.1.2 We are also aware from early discussions that a significant amount of time will need to be devoted to explaining to academics the benefits of depositing their research in an IR, the type of data that can be accepted (the definition of pre- and post-prints) and issues relating to copyright and IPR. We also recognise that the IR needs to be positioned within the workflow processes and practices of personal content creation and users' "personal information environment" to be fully effective. Our preferred content population strategy is based on an advocacy campaign and supported content deposit (including IPR, copyright and licensing issues etc.), together with a focus on articles published in journals with friendly self-archiving policies (as identified via ROMEO) and advice from the Repositories Support Project. However, we are able to draw upon mandated deposit (see below) if required.

6.1.3 Wider advocacy activities for the HE and LIS communities will focus on promoting use of the IR outside Warwick and supporting good practice amongst colleagues in the wider LIS sector.

### 6.2 Mandated deposit

The University of Warwick Steering Committee has committed to the mandated deposit of research outputs and endorsed a distributed model to support content deposit. However, we recognise that the project still needs to develop an advocacy campaign to raise awareness and attract content together with deposit frameworks. A key outcome will be workflow models and administrative forms to help remove perceived barriers to deposit and to assist departmental colleagues (academics, administrative staff) in managing the self-archiving processes. Initially, supported deposit will be used to secure quality content in a timely manner but we recognise that over time the resource implications will require a distributed deposit model.

### 6.3 Impact evidence & feedback to and from the community

"Champions" and opinion leaders amongst the Warwick academic community will be identified and the benefits to them from use of the IR promoted to encourage others to submit content. We will deploy meta-analysis services (including citation and bibliometric analysis) and approaches developed elsewhere to support increased take-up and use e.g. through the use of 'hits' monitoring software similar to that employed by Queensland University<sup>7</sup>. This automatically alerts depositors to how often their content has been accessed, thereby enabling them to see the value of submitting more content to raise their research profile. Quantitative and qualitative usage data from the wider research community will be captured and used in further advocacy/marketing campaigns. In addition, each phase of the project will include evaluation in order to provide feedback to the community and inform developments.

---

<sup>7</sup> <http://espace.library.uq.edu.au/>

## 7 Previous project team experience

### *Project Sponsor (Anne Bell, University Librarian)*

Previous experience includes nearly 30 years academic library experience including over 10 years at senior management level. Project management includes the LAMDA e-Lib project (and subsequent service) as well as the JISC 5/99 DocuSend project. A current priority includes developing a framework for enhanced services to support research at Warwick including WRAP and the planned development of an ambitious research support facility.

### *Project Director (Robin Green, Deputy Librarian)*

Previous experience includes over 25 years academic library experience including academic support and the development of innovative services to support the academic enterprise (e.g. initial development of The Learning Grid facility). Currently working as Executive Director of CURL (Consortium of Research Libraries in the British Isles) where he has developed further understanding of researcher service and support needs, including the perspectives of national stakeholder bodies such as the Research Councils etc. Returns to Warwick September 2007.

*Repository Manager (to be appointed. Post to be advertised July 2007)*

### *Data Services Manager (Stuart Hunt)*

Previous experience includes project management, metadata management and harvesting (using OAI-PMH), library software configuration and set-up, library system and services implementation including working as an Implementations Consultant for OCLC/PICA.

### *Head of Academic Support, Library (Antony Brewerton)*

Previous experience includes 18 years academic liaison work within universities (including the management of externally funded archives with multi-media digitisation components) library marketing and advocacy, publishing and lecturing on these themes both nationally and internationally. He is a member of the NEREUS Steering Committee and is the Editor of *SCONUL Focus*, which includes a regular column on Open Access initiatives.

### *Assistant Director of IT Services (John Dale)*

John Dale is the Assistant Director of IT Services with responsibility for all the university's web publishing applications. He is an experienced application developer and manager, having overseen the design, release and on-going operation of the university's content management system, its authentication tools, its search services and so on.





In addition, all subject librarians will be co-opted onto the project team when the departments for which they are responsible are involved.



UNIVERSITY OF WARWICK LIBRARY

APPLICATION FOR FUNDING FOR WRAP (Warwick Research Archive Project)

Institutional Contributions

| Directly Incurred Staff   | April 07-<br>March 08<br>£   | April 08-<br>March 09<br>£  | TOTAL<br>£  |
|---|--|---|---|
|  |  |  |  |
| <b>Total Directly Incurred Non-Staff</b>  |  |   |   |
| Office equipment and PC   | 4,500  |   | 4,500   |
| Marketing   | 500  | 500   | 1,000   |
| Travel and expenses   |  | 250   | 250   |
| Dissemination   |  | 500   | 500   |
| Evaluation  |  | 250   | 250   |
| <b>Directly Allocated</b>   |  |   |   |
| Staff   | 7,187  | 15,065  | 22,252  |
| Estates   | 6,154  | 12,309  | 18,463  |
| <b>Indirect Costs</b>   |  |   |   |
| Indirect Costs  | 21,633   | 43,267  | 64,900  |
| <b>Total Institutional Contributions</b>  | <b>63,726</b>  | <b>120,911</b>  | <b>184,636</b>  |

## FOI Withheld Information Form

We would like JISC to consider withholding the following sections or paragraphs from disclosure, should the contents of this proposal be requested under the Freedom of Information Act, or if we are successful in our bid for funding and our project proposal is made available on JISC's website.

We acknowledge that the FOI Withheld Information Form is of indicative value only and that JISC may nevertheless be obliged to disclose this information in accordance with the requirements of the Act. We acknowledge that the final decision on disclosure rests with JISC.

| Section / Paragraph No.       | Relevant exemption from disclosure under FOI | Justification |
|-------------------------------|--|---------------|
| <i>No exceptions required</i> |  |               |
|                               |  |               |
|                               |  |               |
|                               |  |               |
|                               |  |               |
|                               |  |               |

Please see <http://www.ico.gov.uk> for further information on the Freedom of Information Act and the exemptions to disclosure it contains.

Example:

| Section / Paragraph No. | Relevant exemption from disclosure under FOI | Justification  |
|-------------------------|--|--|
| 2.4                     | s.43 Commercial Interests                    | Contains detailed description of our proposed system design which would damage our commercial interests if disclosed, by making this information available to competitors. |