



***Readiness for the  
Research Quality Framework  
- A Report from the APSR  
eScholarshipUQ Testbed at  
The University of Queensland***

***Belinda Weaver  
Co-ordinator, UQ eSpace Repository***



# ***Preparatory work***

**Two trial runs for the RQF already completed –**

- **2005 – 2 schools (research presented electronically via Web pages)**
- **2006 – 14 schools, 1 centre (research presented electronically via UQ eSpace repository)**

**UQ working party set up with staff from –**

- **Office of DVC (Research)**
- **Office of Research and Postgraduate Studies**
- **Library staff**
- **Academic staff in schools being assessed**
- **Support staff in schools**



## ***2005 trial - workflow***

- **Library staff designed research reporting templates for schools**
- **Academics entered citation data on to templates**
- **Templates included**
  - **Full citation details**
  - **Statement explaining the rationale for the specific work's inclusion**
  - **Research area for which academic was being assessed**



# ***2005 trial - workflow***

- **Library staff**
  - created a separate Web page for each citation
  - added DOIs or links to online material for each citation, if possible
  - scanned and uploaded any non-electronic material and linked this material to citations
- **Citations were listed alphabetically by title, listed under School names and grouped by research area**



# ***2005 trial - workflow***

- **Only assessors could log in to the password-protected RQF Web pages**
- **Authentication done once on initial log in**
- **Assessor log ins were linked to the research areas being assessed (i.e. assessors only saw material relevant to their reviewing tasks)**
- **Assessors either viewed a local electronic file or viewed material online at journal or conference sites**
- **Library staff provided books to assessors by a variety of methods**
  - **loans from assessor's home institution's library**
  - **loans from UQ Library collections**
  - **loans from author of research being assessed**
- **Assessors were also given log ins to discussion forum facilities (via Blackboard)**
- **There was a separate discussion forum set up for each research area**



## **Pros**

- **Easy for assessors to follow links from Web pages to items, either locally or remotely**
- **Clear labelling and presentation of material**
- **Easy to provide onward link to discussion forums**

## **Cons**

- **Large workload for library staff**
- **Schools did not fully 'own' process**
- **Data was double-handled**
- **Data was not easily reusable**
- **Separate system for assessor discussions**
- **No online system can deliver print material such as books**



## ***Workflow issues considered by 2006 research assessment working party***

- **What research gets included?**
- **Which academics take part in the exercise?**
- **Who decides what academic work is ‘best’?**
- **Who enters the citation data?**
- **Who checks it?**
- **Who ensures compliance of academics?**
- **How is the project kept on track and to timetable?**
- **What about copyright?**
- **Who handles queries?**
- **Who documents the system, and where is documentation and help available?**
- **How do assessors access material for review?**
- **How do assessors communicate with each other?**
- **How is assessor compliance monitored?**



# ***2006 trial - workflow***

- **UQ eSpace repository provided the mechanism for electronic delivery of research**
- **New data models were created for each publication type, and included these fields –**
  - **Full citation**
  - **Pre-loaded look-up tables for**
    - **Author names (tied to log in)**
    - **Research groups (tied to log in)**
    - **RFCD codes (to tag material for specific panels)**
  - **Rationale for inclusion**
  - **Link to local file or to DOI / robust URL**
  - **Author keywords (optional)**
- **Staff in the Office of the DVC (Research) provided a Help Desk with Library staff as backup**





## ***2006 trial - workflow***

- **Data entry staff from schools logged in to specific collections to enter data**
- **They entered citations and supporting statements into UQ eSpace and ‘published’ completed entries, i.e.**
  - **Records with full citation + DOI**
  - **Records with full citation + link to local electronic file**
- **School liaison librarians checked accuracy of ‘unpublished’ entries, added any missing data, and added DOIs/URLs to complete and ‘publish’ records**



## ***2006 trial - workflow***

- **Library staff scanned non-electronically available material (such as book chapters) and uploaded it to UQ eSpace**
- **Library staff provided books to assessors by a variety of methods**
  - **loans from assessor's home institution's library**
  - **loans from UQ Library collections**
  - **loans from author of research being assessed**
- **Once all data entry was completed and checked, the material was signed off for assessors**
- **Assessors were given log ins to UQ eSpace that linked them to their specific review collections**

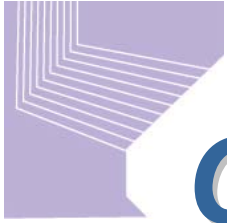


## **Pros**

- **Assessors logged straight in to their specific review collections**
- **Data entry was simplified by pre-populating forms with drop-down choices for author names, research groups, and RFCD codes**
- **Schools had input to process**
- **Data in repository available for reuse/repurposing**

## **Cons**

- **New system took time to bed down**
- **Assessor discussions occurred elsewhere**
- **No online system can deliver print material such as books**



# ***Conclusions***

- **The repository solution had several benefits over a Web page model**
  - **Forms for publication types were created specifically for the research assessment process**
  - **Forms could be changed (added to, remodelled) without loss of data even after data entry had commenced**
  - **Incorrect data such as misnamed research groups could be fixed globally**
  - **Data quality could be checked in daily data dumps of entries**
  - **Daily statistics could be produced on the number of papers entered, from where, and so on, facilitating project management and compliance tracking**



# ***Conclusions (cont'd)***

- **Benefits of repository solution (cont'd)**
  - Data already gathered can be repurposed for RQF 2008
  - Existing HERDC data can be loaded into the repository, thus reducing the workload of data entry for RQF 2008
  - Existing forms can be remodelled when RQF reporting requirements are finalised
  - The same data can easily be displayed in different ways and combinations, and can be customised for RQF 2008
  - The repository software is under constant development and will deliver additional functionality such as comment/annotation by reviewers by 2008
  - Data entered can be repurposed for CVs, annual reports, research reporting, etc.

# UQ eSpace home page

**THE UNIVERSITY OF QUEENSLAND AUSTRALIA** UQ eSpace my.UQ

UQ eSpace (Login) Browse Communities Help

Search terms Search

**Search**  
terms Search help  
Use [Advanced Search](#) to search by multiple criteria

**Browse**  
[by Communities & Collections](#) | [by Subject](#) | [by Year](#) | [by Author](#) | [by Latest additions](#)

**Access Statistics**  
[Top 50 authors](#) | [Top 50 papers](#)

**Registered Users**  
[Register](#) | [Deposit or manage papers](#)

**Recently Added Items**  
(No items added in the last week)

**UQ eSpace News**

**Basic search improved - sort by relevance - Fri, 21 Apr 2006, 13:56:39 EST - (Christiaan Kortekaas)**  
Basic searches now sort the results by search relevance. The higher the search relevance number the better the search match.

**Author 'suggest' control update - Tue, 18 Apr 2006, 12:01:42 EST - (Christiaan Kortekaas)**  
The author suggest input form control lookup now sorts results by relevance, which will help for authors with very short (two letter) names. Please note that the search now uses a 'boolean full text index' which excludes certain words (eg 'Do') that might actually be an authors name. In these cases try searching the first or last name of the author instead. See here for the full list of excluded 'stopwords':  
<http://dev.mysql.com/doc/refman/5.0/en/fulltext-stopwords.html>

**UQ eSpace** is a digital repository for research at The University of Queensland. It contains published articles and conference papers, book chapters, theses and other forms of written research output from UQ academic staff and postgraduate students. Published material covers a range of subjects and disciplines, both before and after peer-reviewed publication, and much of it is full text. The repository also contains research datasets, sound and image collections and software.

**UQ eSpace** provides free, searchable access to UQ research and manages its long-term archiving. UQ staff and students must register to deposit materials.

**UQ eSpace** is running on Fez software. Fez is part of a wider project entitled [eScholarshipUQ](#), which is the local testbed for the [Australian Partnership for Sustainable Repositories](#). The aim of this DEST- funded project is to make all of UQ's research accessible. The project also aims to make UQ's research visible, accessible and usable through a global network of interlinked services such as [OAister](#). See the [Fez FAQ](#) for more information. Check publishers' copyright policies at SHERPA.

Fez is running on [Fedora 2.1](#) digital repository software.

The Fez digital repository software is available for free at <http://sourceforge.net/projects/fez/>. Information and background on Fez initiatives is available from <http://www.library.uq.edu.au/escholarship>

**Fez** fedora

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

# UQ eSpace research assessment communities 2006

THE UNIVERSITY OF QUEENSLAND AUSTRALIA

UQ HOME SEARCH MAPS CONTACTS LIBRARY my.UQ

UQ eSpace

UQ eSpace (Logout) Administration Browse Communities My UQ eSpace Help

User: (Preferences) terms Search


List of Collections in UQ RQA 2006 Community: (16 results found, 1 - 16 shown) (0 hidden) Order By Title

- About the UQ Research Quality Assessment Documents relevant to UQ Research Quality Assessment
- Centre for Immunology and Cancer Research
- School of Biomedical Sciences
- School of Business
- School of Dentistry
- School of Engineering
- School of History, Philosophy, Religion, and Classics
- School of Information Technology and Electrical Engineering
- School of Land and Food Sciences
- School of Languages and Comparative Cultural Studies
- School of Medicine
- School of Molecular and Microbial Sciences
- School of Political Science and International Studies
- School of Psychology
- School of Social Science
- School of Veterinary Science

























Research assessment collections only visible after log in – not otherwise visible

Allocated log in privileges govern who sees what

Parent Communities: [UQ RQA 2006](#)




**List of Records in School of Political Science and International Studies Collection: (92 results found, 1 - 92 shown) (0 hidden)**
Order By

- |  |
|--|
| <p> <a href="#">The Problematic Metagovernance of Networks: Water Reform in New South Wales</a>    ...</p> <p><b>Alex Park and Stephen Bell</b> (2006)<br/>                     International Studies - <i>RQF 2006 Journal Article</i><br/>                     This paper presents a theoretical innovation by elaborating, and, for the first time, testing and refining a theory of metagovernance. It is published in one of the world's leading public policy journals. This author took a leading role in writing and e...</p>                                 |
| <p> <a href="#">No Pain, No Gain? Ethics and Torture in the War on Terror</a>    ...</p> <p><b>Alexander Bellamy</b> (2006)<br/>                     Peace and Conflict Studies - <i>RQF 2006 Journal Article</i><br/>                     International Affairs is the journal of the Royal Institute of International Affairs. It is one of the most widely read journals outside the US. Although published recently, this article has already had impact. In February 2006 it was specifically and a...</p>  |
| <p> <a href="#">Humanitarian Responsibilities and Interventionist Claims in International Society</a>    ...</p> <p><b>Alexander Bellamy</b> (2003)<br/>                     Peace and Conflict Studies - <i>RQF 2006 Journal Article</i><br/>                     Review of International Studies is the journal of the British International Studies Association and is published by Cambridge University Press. This article has been widely cited by leading thinkers in contemporary IR theory including Tim Dunne (in a ch...</p>                               |
| <p> <a href="#">A Responsibility to Protect or a Trojan Horse? The Crisis in Darfur and Humanitarian Intervention After Iraq</a>    ...</p> <p><b>Alexander Bellamy</b> (2005)<br/>                     Peace and Conflict Studies - <i>RQF 2006 Journal Article</i><br/>                     Ethics and International Affairs is edited and published by the Carnegie Council on Ethics and International Affairs, New York. This paper has already been widely cited and on the back of this paper I was commissioned to write a White Paper on R2P for t...</p> |
| <p> <a href="#">Who's Keeping the Peace? Regionalization and Contemporary Peace Operations</a>    ...</p> <p><b>Alexander Bellamy and Paul D. Williams</b> (2005)<br/>                     Peace and Conflict Studies - <i>RQF 2006 Journal Article</i><br/>                     International Security is edited at Harvard University and published by MIT Press. It is one of the world's top three International Relations journals by any measure and the leading journal in military and security studies. Fewer than five Australians...</p>           |
| <p> <a href="#">Rational Choice</a>    ...</p> <p><b>Andrew Hindmoor</b> (2006)<br/>                     International Studies - <i>RQF 2006 Book</i><br/>                     This book will be published by Palgrave in May of this year. It is being published in the Political Analysis series and was judged by one reviewer to offer an 'Unusually balanced and thoughtful in its approach, it highlights both the strengths and lim...</p>  |

Sample browse listing – author, title, publication type, date, research group, link to full record



 **View RQF 2006 Journal Article:** *No Pain, No Gain? Ethics and Torture in the War on Terror*

**Parent Collections:** [School of Political Science and International Studies](#)  
**Browse Collection:** [Prev: The Problematic Meta-governance of Networks: Water Reform in New South Wales](#) | [Next: Humanitarian Responsibilities and Interventionist Claims in International Society](#)


<b>Keyword(s)</b>	No Pain, No Gain? Ethics and Torture in the War on Terror
<b>Research Program</b>	Peace and Conflict Studies
<b>Submitting Author</b>	Bellamy, Alexander, 2184
<b>Author(s)</b>	Alexander Bellamy
<b>Title of article</b>	No Pain, No Gain? Ethics and Torture in the War on Terror
<b>Link to Full Text (DOI)</b>	10.1111/j.1468-2346.2006.00518.x
<b>Journal name</b>	International Affairs
<b>Date</b>	2006-01
<b>Volume</b>	82
<b>Number</b>	
<b>Issue</b>	1
<b>Pages</b>	121-148
<b>Research Fields, Courses and Disciplines</b>	360105 International Relations
<b>Rationale for inclusion</b>	International Affairs is the journal of the Royal Institute of International Affairs. It is one of the most widely read journals outside the US. Although published recently, this article has already had impact. In February 2006 it was specifically and approvingly cited (and UQ specifically named) in the British House of Commons by Tony Baldry MP in a House debate on the war on terror.
<b>Additional Notes</b>	

Specific fields requested for research assessment exercise

DOI entered here – we programmed the system to extract the DOI from here and add leading code to create a working link

Attached Files		
Name	Description	MIMEType
Related Links		
Link	Description	
<a href="http://ezproxy.library.uq.edu.au/login?url=http://dx.doi.org/10.1111/j.1468-2346.2006.00518.x">http://ezproxy.library.uq.edu.au/login?url=http://dx.doi.org/10.1111/j.1468-2346.2006.00518.x</a>	Link to Full Text (DOI)	

DOI direct link – routed through our ezproxy to handle once-only authentication

 [View RQF 2006 Book Chapter: \*Indological Studies in Australia\*](#)

**Parent Collections:** [School of History, Philosophy, Religion, and Classics](#)  
**Browse Collection:** [Prev: Conrad Martens and the Squatting Families of the Darling Downs](#) | [Next: Katha Upanisad: O zivljenju, smrti in nesmrtnosti](#)

<b>Keyword(s)</b>	
<b>Research Program</b>	Religion ←
<b>Submitting Author</b>	Ditrich, Tamara, 1771
<b>Author(s)</b>	Ditrich, Tamara
<b>Title of chapter</b>	Indological Studies in Australia
<b>Editor(s) of book</b>	Saroja Bhate
<b>Title of book</b>	Indology: Past, Present and Future
<b>Chapter no.</b>	
<b>Page nos.</b>	61-83
<b>Edition</b>	
<b>Series</b>	
<b>Place of Publication</b>	Delhi
<b>Publisher</b>	Sahitya Akademi
<b>Year of publication</b>	2002
<b>Research Fields, Courses and Disciplines</b>	
<b>Rationale for inclusion</b>	The main focus of these publications is research and critical analysis of ancient Hindu and Buddhist texts, exploring various methodological approaches in the contemporary Indian studies (publication 2), especially philological method. Two publications (1, 3) analyse texts in Sanskrit, one (4) in Classical Tibetan. Publication 1 contributes to the new field of scholarly research, i.e. mothering, publications 3 and 4 demonstrate an innovative approach to the research of classical religious texts.
<b>Additional Notes</b>	

Specific fields requested for research assessment exercise

Attached Files		
Name	Description	MIMEType
 <a href="#">Ditrich_2002_Indological.pdf</a> 	Ditrich_2002_Indological.pdf	application/pdf

Related Links	
Link	Description

Link to locally scanned and uploaded file

Without logging in, users can only browse publicly available communities.  
The RQA collections are only available to specific log ins.

The screenshot shows the UQ eSpace website. The top navigation bar includes 'UQ HOME', 'SEARCH', 'MAPS', 'CONTACTS', 'LIBRARY', and 'my.UQ'. The main header features the University of Queensland logo and 'UQ eSpace'. A search bar with the text 'terms' and a 'Search' button is visible. Below the search bar, there are sections for 'Browse', 'Access Statistics', 'Registered Users', and 'Recently Added Items'. On the right side, there is a 'UQ eSpace News' section with several news items. At the bottom, there is a 'Fez fedora' logo.

**UQ eSpace (Login)**

**Search**  
terms  [help](#)  
Use [Advanced Search](#) to search by multiple criteria

**Browse**  
[by Communities & Collections](#) | [by Subject](#) | [by Year](#) | [by Author](#) | [by Latest additions](#)

**Access Statistics**  
[Top 50 authors](#) | [Top 50 papers](#)

**Registered Users**  
[Register](#) | [Deposit or manage papers](#)

**Recently Added Items**  
(No items added in the last week)

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The Fez digital repository software is available for free at <http://sourceforge.net/projects/fez/>. Information and background on Fez initiatives is available from <http://www.library.uq.edu.au/escholarship>

**Fez fedora**

Once a user logs in, a new button 'My UQ eSpace' appears. All collections to which user has rights appear in that space

The screenshot shows the UQ eSpace website interface. At the top, there is a navigation bar with links for UQ HOME, SEARCH, MAPS, CONTACTS, and LIBRARY. The main header features the University of Queensland logo and the text 'UQ eSpace'. Below the header, there is a user profile section for 'User: Belinda Thomas (Preferences)' and a search bar with the text 'terms' and a 'Search' button. A red circle highlights the 'My UQ eSpace' button in the top right corner. The left sidebar contains sections for Search, Browse, Access Statistics, Registered Users, and Recently Added Items. The main content area is titled 'UQ eSpace News' and contains several news items, including 'Basic search improved - sort by relevance' and 'Author 'suggest' control update'. At the bottom, there is a section for 'Fez' digital repository software, including the Fez logo and a brief description of the software.

# How My UQ eSpace looks to a user

All items 'published' – no records left to check

UQ eSpace (Logout) | Browse Communities | My UQ eSpace | Help

User: Belinda Thomas (Preferences) | Search terms

**Actions**  
[Create](#) | [Edit](#) | [Delete](#) | [Export](#)

**Assigned Unpublished Items**  
Showing items 1 to 0 of 0  
Order By Title

**Assigned Collections**

Title	Community	Items	Action
<a href="#">School of Dentistry</a>	UQ RQA 2006	70	

**Running Processes**

All	Started	Name	Progress	Message	Last Heartbeat	Status
No Items						

Log ins tied to specific collections – user only sees relevant collections

A collection with some items still not 'published' – 3 records left to check

UQ eSpace (Logout) Browse Communities My UQ eSpace Help

User: Belinda Thomas (Preferences) terms Search

**Actions**  
[Create](#) | [Edit](#) | [Delete](#) | [Export](#)

**Assigned Unpublished Items**  
Showing items 1 to 3 of 3  
Order By: Title

All	Title
<input type="checkbox"/>	<a href="#">Descartes and the Passionate Mind</a> <b>Brown, Deborah</b> (2006) Philosophy - RQF 2006 Book (Created: 2006-04-03 11:20:09 Last Updated: 2006-06-20 08:58:16)
<input type="checkbox"/>	<a href="#">Is Descartes' Body A Mode of Mind?</a> <b>Brown, Deborah</b> (2006) Philosophy - RQF 2006 Book Chapter (Created: 2006-04-07 13:48:16 Last Updated: 2006-04-20 12:17:03)
<input type="checkbox"/>	<a href="#">Objective being in Descartes - That which we know or that by which we know?</a> <b>Brown, Deborah</b> (2006) Philosophy - RQF 2006 Book Chapter (Created: 2006-04-07 13:53:41 Last Updated: 2006-04-20 11:54:35)

**All** **Delete** **Publish** |< << 1 Go >> >| 150 Show Rows

**Assigned Collections**

Title	Community	Items	Action
<a href="#">School of History, Philosophy, Religion, and Classics</a>	UQ RQA 2006	135	
<a href="#">School of Languages and Comparative Cultural Studies</a>	UQ RQA 2006	104	

↑

**Running Processes**

All	Started	Name	Progress	Message	Last Heartbeat	Status
<b>All</b>	No Items					

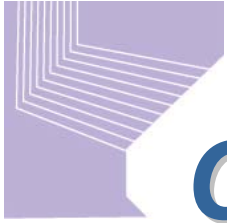
**All** **Delete**

User may be associated with more than one collection



# ***Checklist of RQF functionality***

- ✓ **Support RQF data model**
  - UQ eSpace data models can be customised to meet RQF metadata and reporting needs
- **Support complex or non-text items**
  - UQ eSpace can support any format of item. New formats can be easily created
- ✓ **Facilitate workflow for academics and administrators**
  - UQ eSpace's workflow can be customised to suit different scenarios and workflow models, including editorial control
- ✓ **Manage groups and access**
  - UQ eSpace administration allows
    - Active Directory/LDAP authentication
    - Log ins for individual users or groups (created and managed via an administrative Web interface)
    - Federated authentication using Shibboleth and eduPerson attributes



# ***Checklist of RQF functionality***

- ✓ **Enable communication and automated reporting**
  - UQ eSpace comment/annotation system will allow assessors to discuss research within the system
  - UQ eSpace security will protect this material from being seen by any but those authorised
  - Statistics and data dumps can assist with project tracking and milestones
  
- ✓ **Liaise with the research office**
  - UQ eSpace can allocate 'admin' privileges for Research Office staff to facilitate RQF project management