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# Developing a sustainable institutional repository

**DRFIC Conference, Osaka, Japan 30-31 January 2008**

http://eprints.soton.ac.uk

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Hartley Library
University of Southampton

Full moon by Pauline Simpson and Jessie Hey

eprints.org

## University of Southampton

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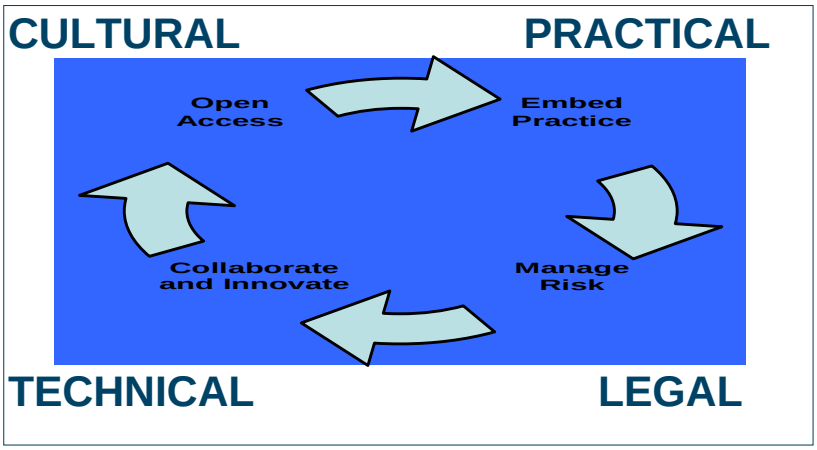
## Global research culture

- Challenge of engaging with diverse institutional and discipline cultures
- Top researchers part of an international research culture
- Sharing through common communication platforms – conferences, publications, repositories
- This will help us develop common learning and adopt best practice, whilst recognising need for tailored support and services

## Repository Sustainability Cycle



## Diversity and critical mass

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- Whole research journey – strength through comprehensive coverage
- Easier to build up a portfolio of material – variety of hooks to engage people with a regular self-deposit culture
- Theses and related material helps attract early career researchers integrate open access practice

## Capture life cycle of research

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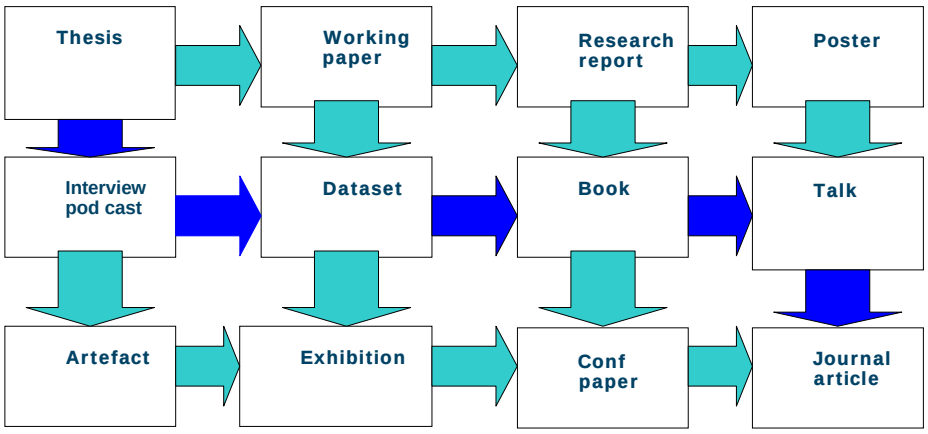

## Harmony and creative tension

- Establish institutional agreement over content
- Medics with articles and Nurses with research seminar/conference
- Based on trust between research groups and promotes interdisciplinary research
- Need to develop partnerships with researchers to understand their research environments – delivering successful services creates a virtuous cycle of respect

## Facilitating transition

- Understand existing practice – do they already have website with texts, their own database
- Evolve workflow in partnership
- Mixed economy at Southampton – import from departmental database, self-deposit, research administrator deposit
- Increasing self-deposit as groups move to e-prints, self-deposit the best model for long term sustainability
- Self-deposit is best model to support research cycle

## Communication network

- Establish many points of contact to embed repository practice
- Engage with different models of research support – including research group administrators, PA to professors, specialist technical support
- Important to have the support of the Head of the University and team
- Integrate with other support services – Library working with Legal, IT and quality assurance specialists

## The policy rainbow

Vice Chancellor, Deputy Vice Chancellors, Deputy Deans Research, Faculty Graduate Schools, School Postgraduate Coordinators, School Managers, research administrators, Learning and Teaching Enhancement Unit, E-prints Steering Group, Research Support Office and their link to Legal Services, feedback from users.

DVC for Research

Prof. Phil Nelson

## Advocacy to partnership

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- As we learn in different ways a variety of communication tools required
- Talks, seminars, desk-side one-to-one support
- Have dialogue with the multiple roles of a single researcher - author, editor, income generator
- Prepare for paradigm shifts
- The richer the conversations, the greater the respect, the more we move from advocacy to partnership

## Electronics and Computer Science dissemination

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Browsing new research in the foyer...

## Support from the top

- Need support of the Vice-Chancellor/Head of the University and team
- Establish principle of open access
- Sustainability requires a link to the research management infrastructure
- Start-up funding at Southampton to integrate the IR to support the National Research Assessment Exercise – route to full institutional engagement

## Southampton Press Release 15 Dec 2004

'We see our Institutional Repository as a key tool for the stewardship of the University's digital research assets,' said Professor Paul Curran, Deputy Vice Chancellor of the University.

'It will provide greater access to our research, as well as offering a valuable mechanism for reporting and recording it.'

Prof Paul Curran
DVC for Research

## Embed resources

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- JISC funding to 2 year central University funding to absorbed cost
- Spread risk – IR only staff 1.6 FTE quality assurance staff in Library, 1 FTE software developer IT Services.
- Other contributions from mixed portfolio posts including IR Manager
- Apply for additional funding for innovative developments, but core business absorbed to usual cost models

## Mandates as one ingredient

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Started with a mandate for RAE deposits, encourage post-print as well as publisher version or DOI

Mandate for journal articles and conferences last year

Mandate for e-theses will start this Sept

Still need incentives

## Risk management

- Building trust through sensible policies important – publishers, business interests, researchers, public users
- Take down, deposit agreements, download context
- Need to protect some commercial ventures, but open access work can also expose the institution to new business partners - easy to see what you can offer

## Save time and add value

One
Good
Record
For
Many
Purposes

metadata to export to grant proposals and CV, feed to web pages with record and full text for personal listings, feed to library catalogue for PhD theses, improve ease of user deposit - import from Endnote library, automatic metadata extraction from DOI

# Publications listing

Southampton University Research e-Prints

Weiss, P., Catret Mascarelli, J.V., Grossnet, D., Brignone, L., Labbe, D.F.L. and Wilson, P.A. (2003) **FREESUB: Dynamic stabilization and docking for autonomous underwater vehicles.** In, *13th International Symposium on Unmanned Untethered Submersible Technology, Durham, USA.* .

Wilson, P. A., Harris, C.J. and Hong, X. (2003) **A line of sight counteraction navigation algorithm for ship encounter collision avoidance.** *Journal of Navigation*, 56, (1), 111-121. (doi:10.1017/S0373463302002163)

Nebylov, A. and Wilson, P.A. (2002) ***Ekranoplanes: Controlled flight close to the sea***, WIT Press

Molland, A.F., Wilson, P.A. and Taunton, D.J. (2002) ***Experimental measurement of the wash characteristics of a fast displacement catamaran in deep water.*** Southampton, UK, University of Southampton, 62pp. (Ship Science Reports, 124)

Molland, A.F., Wilson, P.A. and Taunton, D.J. (2002) ***Further experimental wash wave measurements for high speed displacement catamaran forms in shallow water.*** Southampton, UK, University of Southampton, 156pp. (Ship Science Reports, 123)

Molland, A.F., Wilson, P.A. and Taunton, D.J. (2002) ***Theoretical prediction of the characteristics of ship generated near-field wash waves.*** Southampton, UK, University of Southampton, 33pp. (Ship Science Reports, 125)

# Technical integration

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- Integrate into technical infrastructure to support sustainability
- Unique author identifier - staff ID number through LDAP
- Research Management System – IRMS
- Content Management System
- Next focus on end-user statistics service - increasing importance of metrics
- Richer links with research management

## Last quarter of the moon

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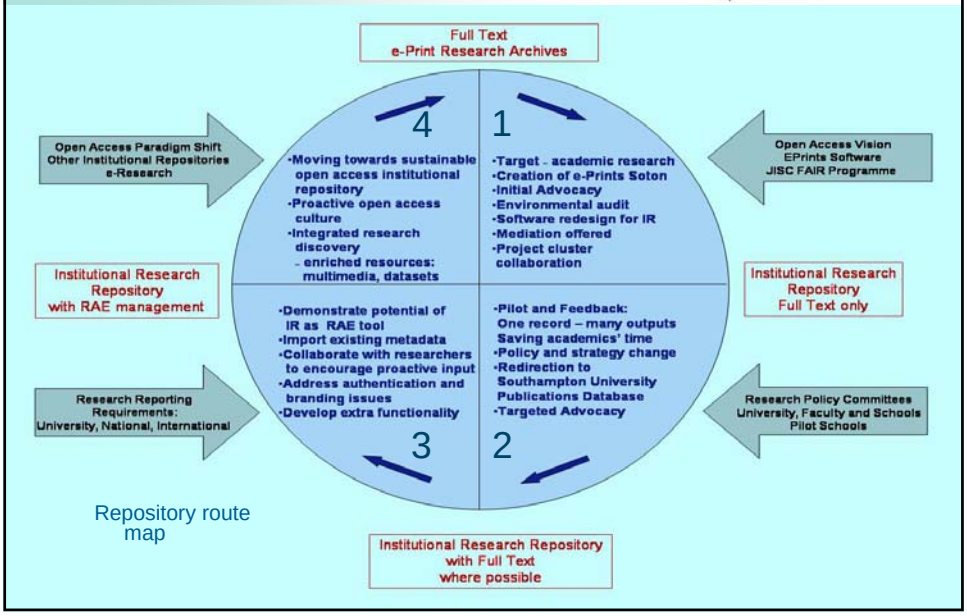


Repository route map

## Next stage challenges

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- International collaboration essential for future success
- Development of preservation policies and tools
- Institutional preservation strategies
- Interoperability – extra challenge of multimedia & data
- Unique author identifiers
- More sophisticated user licences & version identifiers
- Link to Virtual Research Environments