

# Supporting the 'Sharing Institution' – Practical Steps towards a more open Teaching and Learning Culture

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Open Repositories 2009  
4<sup>th</sup> International Open Repositories Conference,  
Atlanta, GA, USA  
Tuesday 19<sup>th</sup> May 2009



# First impressions of Atlanta and OR2009





# A nostalgic reminder....

*Atlanta*

*Scarlett had always liked Atlanta . . . Like herself, the town was a mixture of the old and new in Georgia, in which the old often came off second best in its conflicts with the self-willed and vigorous new.*

— MARGARET MITCHELL'S GONE WITH THE WIND





# University of Southampton

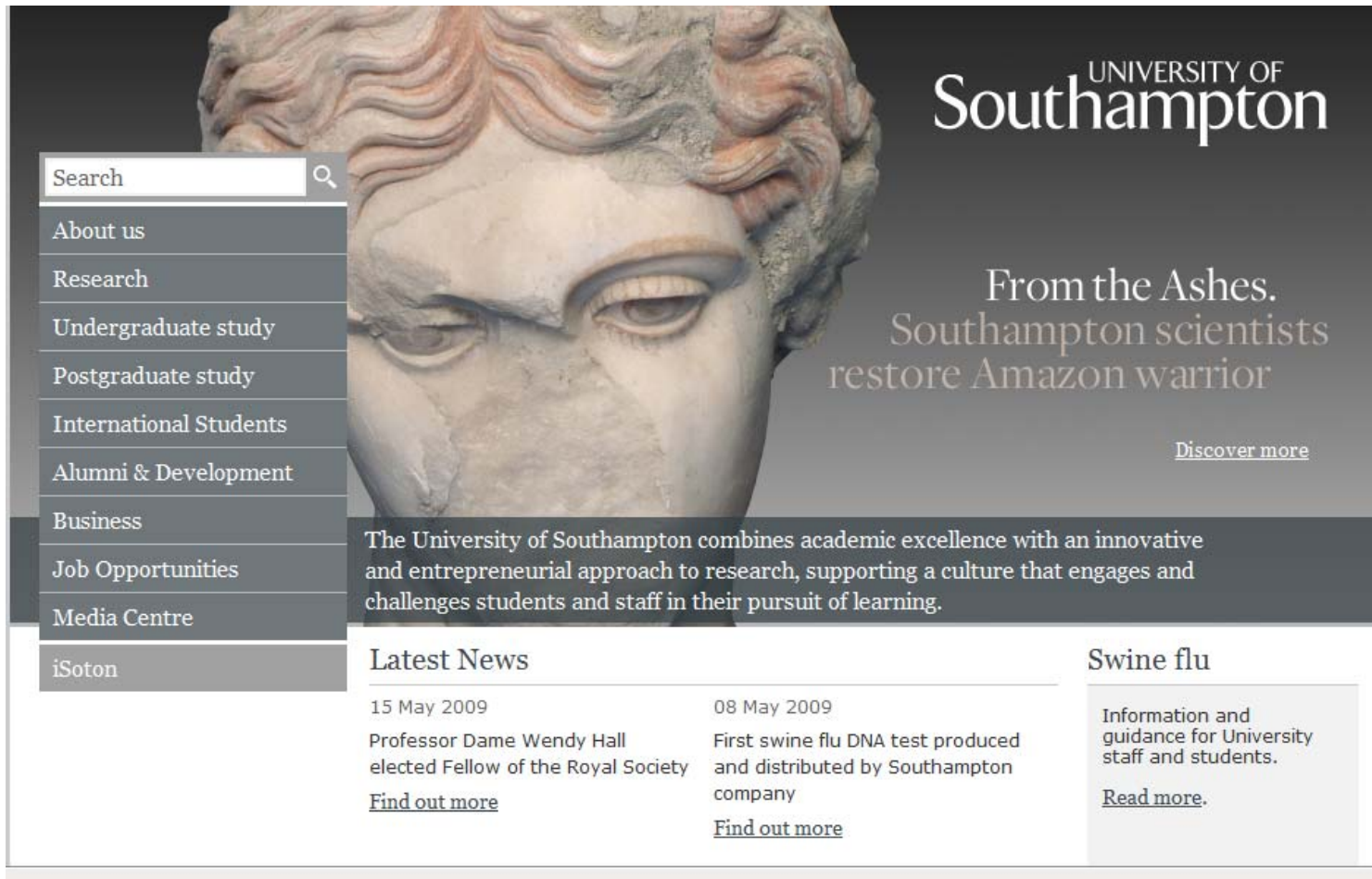


South coast port city  
Multidisciplinary university  
research led teaching  
20,000 students  
5000 staff






‘Supporting a culture that engages and challenges students and staff in their pursuit of learning’ – how to maximise this??



The screenshot shows the University of Southampton website. The header features a large image of a classical statue head and the university's name. A navigation menu on the left lists various university services. The main content area highlights a news story about an Amazon warrior statue restoration. Below this, there are sections for 'Latest News' and 'Swine flu' with brief updates and links to more information.

UNIVERSITY OF  
**Southampton**

Search 

- About us
- Research
- Undergraduate study
- Postgraduate study
- International Students
- Alumni & Development
- Business
- Job Opportunities
- Media Centre
- iSoton

From the Ashes.  
Southampton scientists  
restore Amazon warrior

[Discover more](#)

The University of Southampton combines academic excellence with an innovative and entrepreneurial approach to research, supporting a culture that engages and challenges students and staff in their pursuit of learning.

**Latest News**

15 May 2009	08 May 2009
Professor Dame Wendy Hall elected Fellow of the Royal Society	First swine flu DNA test produced and distributed by Southampton company
<a href="#">Find out more</a>	<a href="#">Find out more</a>

**Swine flu**

Information and  
guidance for University  
staff and students.

[Read more.](#)



# Overview

- Some history with a UK emphasis
  - University of Southampton Institutional Research Repository
  - Virtual Learning Environments
- EdShare – an Institutional Exemplar of a Teaching and Learning Repository
  - What we did and learned
  - Next steps
- Looking ahead to a more Open world of research and teaching



# Creating an Institutional Research Repository exemplar



- Institutional Repository for Research set up (e-Prints Soton) <http://eprints.soton.ac.uk> with TARDis project to investigate issues for the then new concept (within JISC funded FAIR programme)
- TARDis project: Feeding back into EPrints software good citation and information management practice experimenting with best balance of assisted and self deposit
- TARDis: Targeting Academic Research for Deposit and Disclosure
- FAIR: Focus on Access to Institutional Resources



# Institutional repositories and academic practices

- What was special about institutional repositories:
- For all institutional research not just peer-reviewed journal articles – the main focus of Open Access campaigning
- Simpson, Pauline and Hey, Jessie M.N. (2005) Institutional e-Print repositories for research visibility. In, Drake, Miriam (ed.) *Encyclopedia of Library and Information Science 2nd ed.* USA, Dekker.  
<http://eprints.soton.ac.uk/9057/>
- Southampton University Research e-Prints - working closely with individual 'schools' – found that depends so much on publication culture and working practices
- Hey, Jessie M. N. (2004) Targeting Academic Research with Southampton's Institutional Repository. *Ariadne*, (40)  
<http://eprints.soton.ac.uk/8986/>
- Not starting from scratch!



## Southampton Press Release 15 Dec 2004

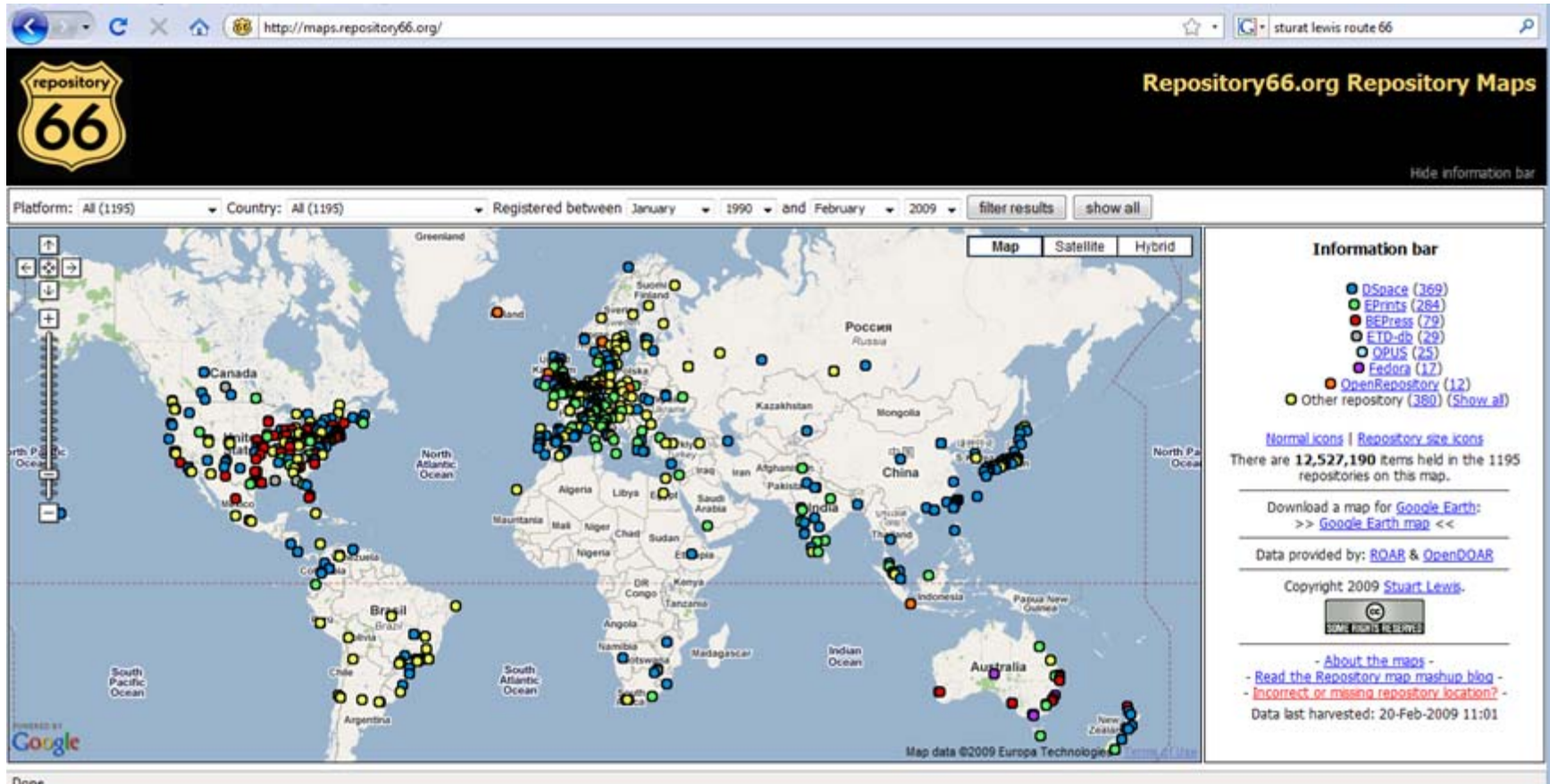
‘We see our Institutional Repository as a key tool for the stewardship of the University's digital research assets,’ said Professor Paul Curran, Deputy Vice Chancellor of the University. ‘It will provide greater access to our research, as well as offering a valuable mechanism for reporting and recording it.’



Successfully used for Research Assessment  
Exercise 2008



# Institutional Repositories today – 1260 with 12.7 m items





# What about supporting teaching?

- Previously you went to the Library Reserve Collection to find a lecturer's teaching resources in paper form: eg lecture notes and reading lists – I did this when I first taught a course in Human Computer Interaction at Southampton



**UNIVERSITY OF Southampton**  
School of Electronics and Computer Science

Home | UG Study | MSc Admissions | PG Opportunities | Research | Business | People | Alumni | Contact | Intranet

University of Southampton > ECS > News > Professor Dame Wendy Hall elected Fellow of the Royal Society

## Professor Dame Wendy Hall elected Fellow of the Royal Society


Dame Wendy Hall DBE, Professor of Computer Science in the University of Southampton, has been elected to the Fellowship of the Royal Society, it is announced today (Friday 15 May).

The Royal Society is the UK's national academy of science. Founded in 1660, the Royal Society will next year celebrate 350 years of promoting excellence in science and supporting scientific endeavour. Each year the Royal Society awards Fellowships to 44 of the best scientists in recognition of their scientific achievements. It is the highest accolade a scientist can have, short of a Nobel Prize.

Dame Wendy Hall is distinguished for her contributions to understanding the interactions of humans with large scale multimedia information systems. Her most recent work focuses on the development of a new field of Web Science focused on understanding and exploring the various influences - science, commerce, politics, and societal changes - which drive the evolution of the World Wide Web. Her research is aimed at both understanding the evolution of the Web and engineering its future.

She is particularly prominent as a strong and vocal advocate for women's opportunities in SET and for the need to ensure that girls are equally included in participation in science and engineering careers.

She is currently President of the Association for Computing Machinery (ACM), the first person from outside North America to hold this position; in the UK, she has served as Senior Vice-President of the Royal Academy of Engineering, and President of the British Computer Society. She is a member of the Prime Minister's Council on Science and Technology and a member of the Scientific Council of the European Research Council. In 2006 she was one of the Founder Directors of the Web Science Research Initiative. She was created DBE (Dame Commander of the British Empire) in January 2009 for services to science and technology.





# Virtual Learning Environments

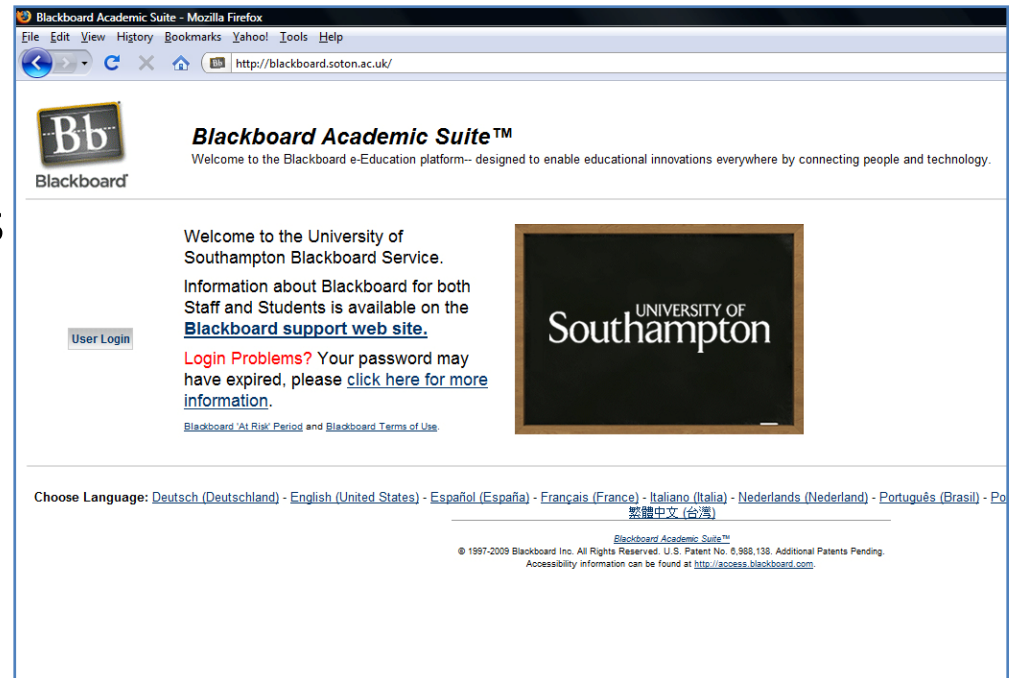


- Then Virtual Learning Environments gave a new opportunity for managing courses
- Lots of other names: Learning Management System (LMS), Content Management System (CMS), Learning Content Management System (LCMS)
- Virtual Environment for Learning perhaps clearer!



# Managing courses and resources

- We use Blackboard software
- Focus is on lecturer – student not on sharing
- Hidden from others unless special access eg for librarians
- Not designed for more permanent resources – be careful at the end of the academic year!





# A golden institutional exemplar opportunity based on observed need

- to create the teaching and learning repository to sit with the research repository to solve the identified problem
- **JISC funded bid:** Institutional Exemplars Programme
- **EdSpace** Project building **EdShare**
- 1 October 2007-31 March 2009
- **Project Director:** Hugh Davis, University Director of eLearning
- **Led by:**
  - Learning Societies Laboratory, School of Electronics & Computer Science with EPrints software team
  - University Library
  - Information Systems Services (ISS) and Learning & Teaching Enhancement Unit (LATEU)



# Creating the facilitating infrastructure

- £300K of JISC funding until March 2009
- EdShare is the product – EdSpace is the JISC funded project
- The objective is to provide an infrastructure that allows academics to share resources concerned with teaching with whatever audience is appropriate
- built on Web 2.0 principles like YouTube etc.



# EdShare – what is it about?



- managing, gathering educational resources
- collaborating to develop or extend learning and teaching resources
- working with all the parties involved to discover how they will best benefit
- But the institutional practice is often for small scale re-use of resources (**micro-sharing**)

What our academics particularly wanted:

- presenting resources for service teaching
- showcasing interesting resources for teaching and learning




An institutional repository  
with author deposit, like the research repository  
but even simpler and more flexible



- EdShare supports access within the whole institution, across Schools and disciplines
- Academics provide simple tags which will make searching easier
- Is supported by automatic generation of some metadata
- With a clear structure for adding more detail:  
eg advice for re-use, courses if useful





**EdShare**  
University of Southampton  
edshare.soton.ac.uk

### Share your resources

Once logged in, you may upload documents, share resources with your colleagues or students, tag your items and more!

**Login to EdShare**

You may also use our [advanced search](#) or [browse](#) categories







#### About EdShare

EdShare is a resource for collaboration and sharing of materials used in teaching and learning across the University. EdShare is designed to encourage learners and educators to work together and to develop new ideas and relationships for mutual benefit.


[Read more](#) - [Help](#)

#### Latest additions


[University of Southampton Module Evaluation Form](#)

[Exam revision](#)



[How to Cite References - School of Geography](#)



#### Popular tags

academic skills comp1004 continuing professional development cpd e-learning edshare erm international students java jisc nerve photograph receptor referencing showcase staff development synapse **vmbs** web science xml zappers




# EdShare today – we call an eprint a share

University of Southampton - Mozilla Firefox

Bookmarks Yahoo! Tools Help

http://www.edshare.soton.ac.uk/

Latest additions Tag Cloud Browse



**EdShare**  
University of Southampton  
edshare.soton.ac.uk

A resource for collaboration and sharing of materials used in teaching and learning

[Discover EdShare's new features!](#)

**Organise**  
Organise your learning materials into collections and groups according to their subject matter

**Share**  
Share your learning materials with other users of the EdShare system

**Collaborate**  
Work together to produce new and more exciting learning materials

**LOGIN**

[Advanced search](#)

**SEARCH**

[Help](#) - [Take-down Policy](#) - [Terms and Conditions](#) - [Guide for adding content to EdShare](#)

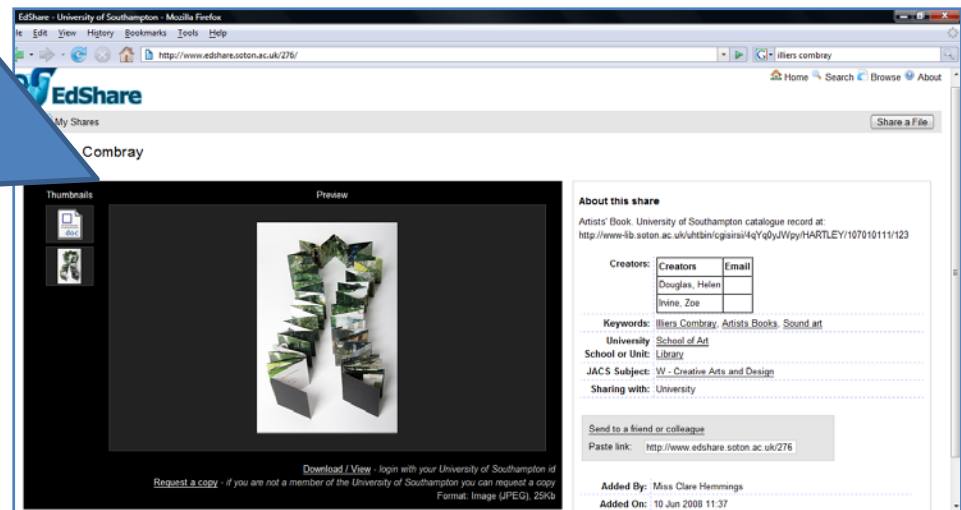
For any questions or feedback, please contact us at [edshare@soton.ac.uk](mailto:edshare@soton.ac.uk)  
Copyright © 2008-2009 University of Southampton

Edshare was produced by the [EdSpace Project](#) and **JISC**



# EdShare look and feel

EdShare moves from the formality of the research repository to the look and feel of Web 2.0





# Adding content

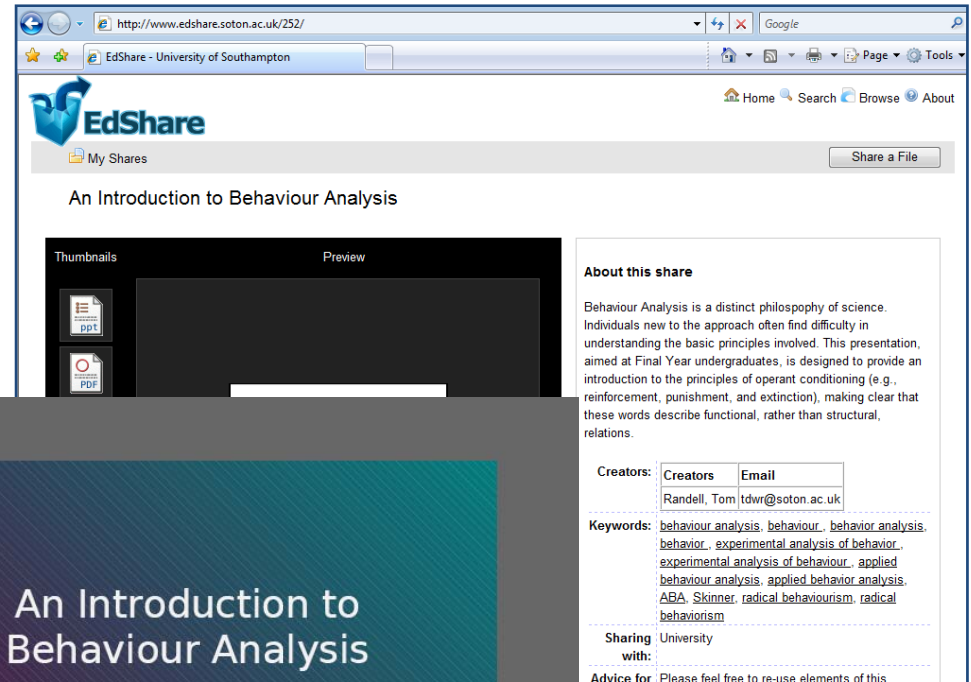
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- Add document(s)/resource(s) or web links (you may also want to recommend external resources)
- Items get a URL
- Owner gets the option to add descriptions and tags
- Owner can decide “visibility” of document
- Users can also bookmark/annotate for others/make a private note



# The local context – still not starting from scratch

- Blackboard (VLE)
- School intranet
- Student portal
- EdShare must fit with these



The screenshot shows the EdShare website interface. The browser address bar displays <http://www.edshare.soton.ac.uk/252/>. The page title is "An Introduction to Behaviour Analysis". The main content area shows a preview of a presentation slide with the title "An Introduction to Behaviour Analysis" and the author "Dr. Tom Randell, University of Southampton". To the right of the preview, there is a section titled "About this share" which contains a description of Behaviour Analysis and a list of keywords. Below the keywords, there is a table for "Creators" and a section for "Sharing with".

Creators	Email
Randell, Tom	tdwr@soton.ac.uk

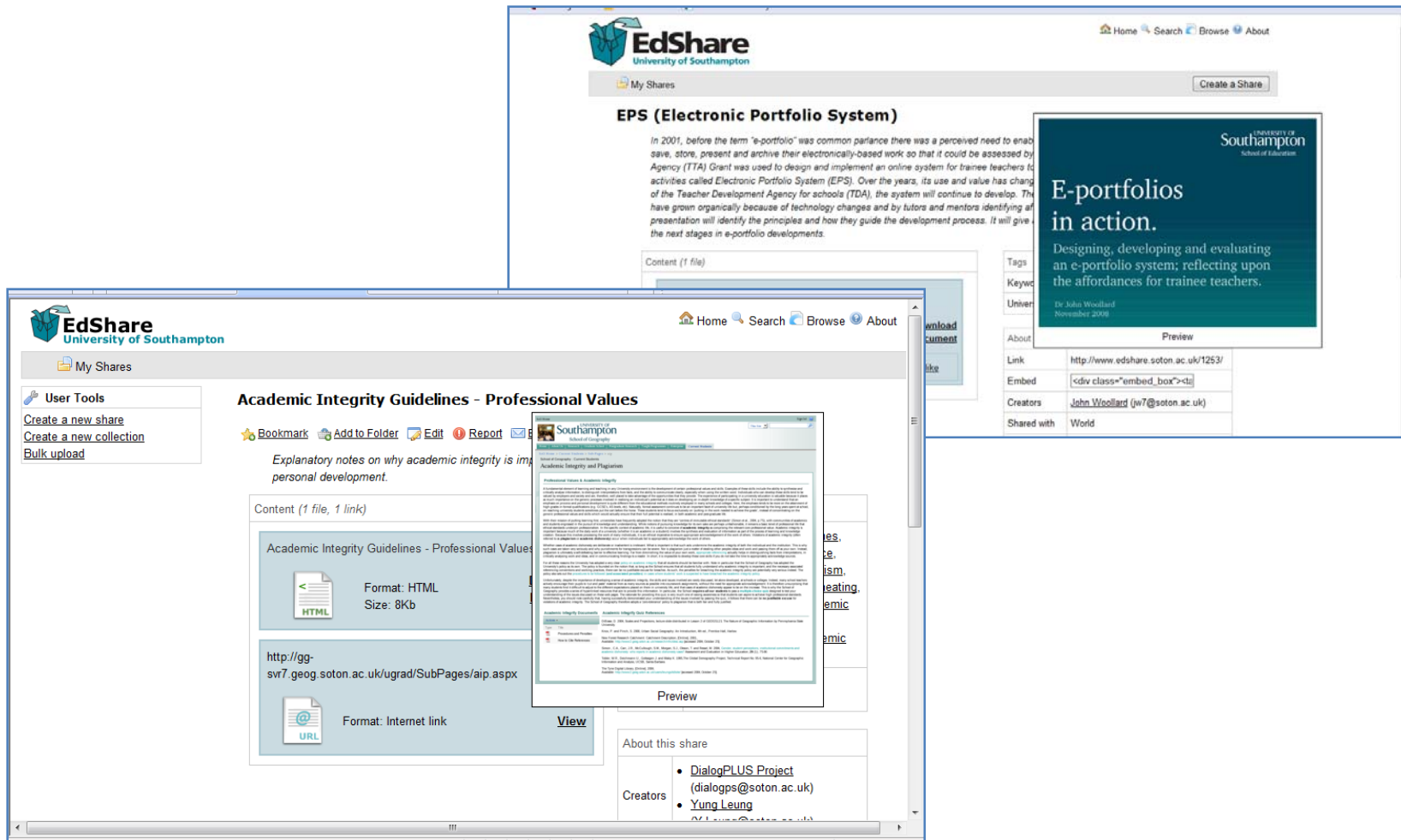
**Keywords:** behaviour analysis, behaviour, behavior analysis, behavior, experimental analysis of behavior, experimental analysis of behaviour, applied behaviour analysis, applied behavior analysis, ABA, Skinner, radical behaviourism, radical behaviorism

**Sharing with:** University

**Advice for:** Please feel free to re-use elements of this



# Previewing, downloading, linking....



The screenshot displays the EdShare website interface with two overlapping document preview windows.

**Top Window: EPS (Electronic Portfolio System)**

- Title:** EPS (Electronic Portfolio System)
- Description:** In 2001, before the term "e-portfolio" was common parlance there was a perceived need to enable save, store, present and archive their electronically-based work so that it could be assessed by Agency (ITA) Grant was used to design and implement an online system for trainee teachers to activities called Electronic Portfolio System (EPS). Over the years, its use and value has changed of the Teacher Development Agency for schools (TDA), the system will continue to develop. The have grown organically because of technology changes and by tutors and mentors identifying all presentation will identify the principles and how they guide the development process. It will give the next stages in e-portfolio developments.
- Content:** 1 file
- Preview:** A preview of the document titled "E-portfolios in action." by Dr John Woollard, November 2009. The text describes designing, developing and evaluating an e-portfolio system, reflecting upon the affordances for trainee teachers.
- Metadata:** Link: <http://www.edshare.soton.ac.uk/1253/>; Embed: `<div class="embed_box"><div>`; Creators: John Woollard (jw7@soton.ac.uk); Shared with: World.

**Bottom Window: Academic Integrity Guidelines - Professional Values**

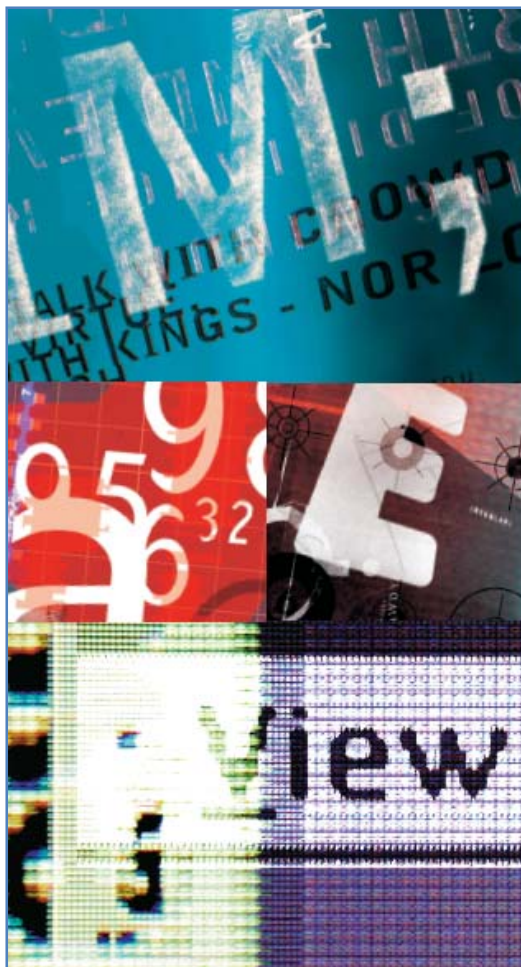
- Title:** Academic Integrity Guidelines - Professional Values
- Description:** Explanatory notes on why academic integrity is important for personal development.
- Content:** 1 file, 1 link
- Preview:** A preview of the document titled "Academic Integrity Guidelines - Professional Values". It includes a table of contents and a list of references.
- Metadata:** Link: <http://gg-svr7.geog.soton.ac.uk/ugrad/SubPages/aip.aspx>; Format: Internet link; View: View

**EdShare Website Interface:**

- Header:** EdShare University of Southampton, Home, Search, Browse, About.
- Navigation:** My Shares, Create a Share.
- User Tools:** Create a new share, Create a new collection, Bulk upload.



One of our Advocacy tools: we help staff think about what they want to share



### Collaboration for teaching and learning



EdShare is a University of Southampton resource to keep and organise teaching and learning materials.



EdShare provides a way to collect and share these materials with colleagues outside of the University as well as those within it.



EdShare is designed to support people working together, and to develop new ideas and resources for mutual benefit.



**EdShare**  
University of Southampton

edshare.soton.ac.uk



# Some EdShare experiences

- There was a big advantage this time of high level support within the university at the start
- Creating deposits was much simpler than the research repository but sometimes depositors had to think harder about ‘what is the title? Who is the creator?’
- Good to be able to add external resources which may be useful to others even within a faculty
- A whole mixture of file formats to learn about and manage (research was easy!)
  - Mathematicians use LaTeX not Word



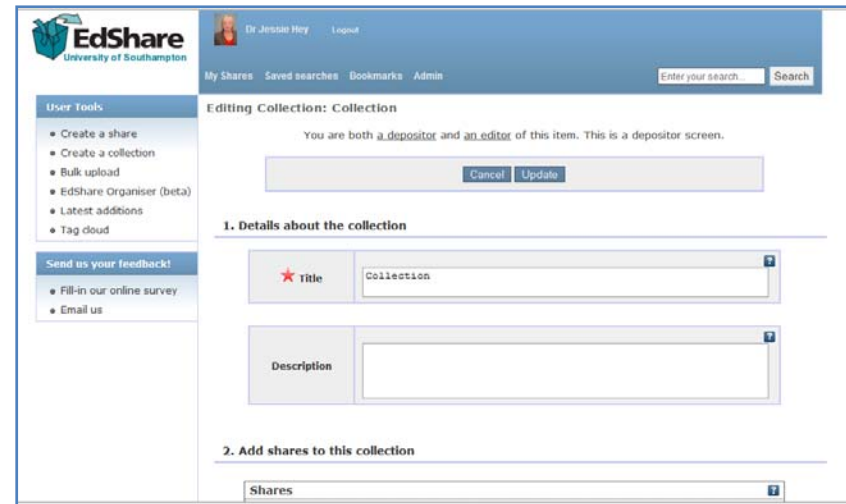
# Working with schools

- Much was micro-sharing but the new Web Science course is being developed jointly using EdShare
- Oceanographers and Geographers want to see each others' courses (exacerbated by a split site)
- Students wanted to see resources on previous courses – remember the booklet in the library?
- Geographers had created resources which need a more visible home
- Historians needed to share with individuals at other universities for the present
- It took time to work through actions with each school – Mathematicians busy inputting



# Organising teaching resources

- Creating your own collections
- eg: resources for a lecture
- working with colleagues on a new course
- Bulk upload
- Drag and drop organiser



The screenshot shows the EdShare 'Editing Collection' interface. At the top, there is a header bar with the EdShare logo, a user profile for 'Dr Jerrisa Hey' with a 'Logout' link, and navigation links for 'My Shares', 'Saved searches', 'Bookmarks', and 'Admin'. A search bar is also present. Below the header, a left sidebar contains 'User Tools' (Create a share, Create a collection, Bulk upload, EdShare Organiser (beta), Latest additions, Tag cloud) and a 'Send us your feedback!' section (Fill-in our online survey, Email us). The main content area is titled 'Editing Collection: Collection' and includes a message: 'You are both a depositor and an editor of this item. This is a depositor screen.' Below this are 'Cancel' and 'Update' buttons. The interface is divided into two sections: '1. Details about the collection' and '2. Add shares to this collection'. Section 1 contains a 'Title' field with the value 'Collection' and a 'Description' field. Section 2 contains a 'Shares' field.



# Gentle persuasion to share

Choose

**3. Viewing permissions**

★ You need to choose one of the options below. It is not possible to combine these options.

Just me   Selected users   School/Unit   **University**   World

This item will be online at: <http://www.edshare.soton.ac.uk/2754/>  
Only members of the University can see this share.

★ <b>Advanced permissions</b>	<input checked="" type="radio"/> Both staff and students <input type="radio"/> Staff only <input type="radio"/> Students only	?
★ <b>Document previews</b>	<input checked="" type="radio"/> Show previews <input type="radio"/> Hide previews	?

- Just me
- Selected users
- My school
- The university
- The World

Creators often feel more comfortable if they are asked eg yesterday another university asked for our new video on the international student experience to use in their staff training



# What stage is EdShare at now?

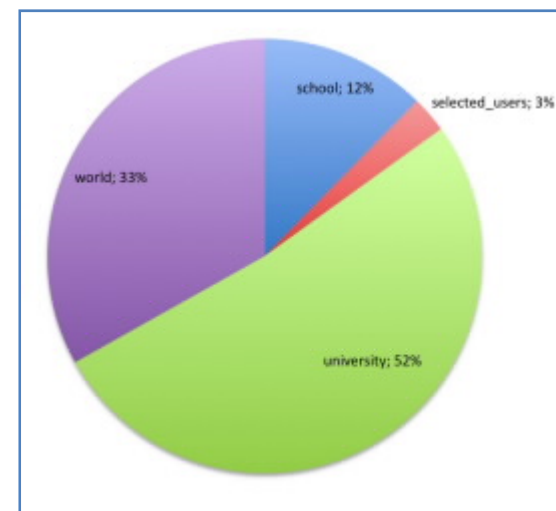
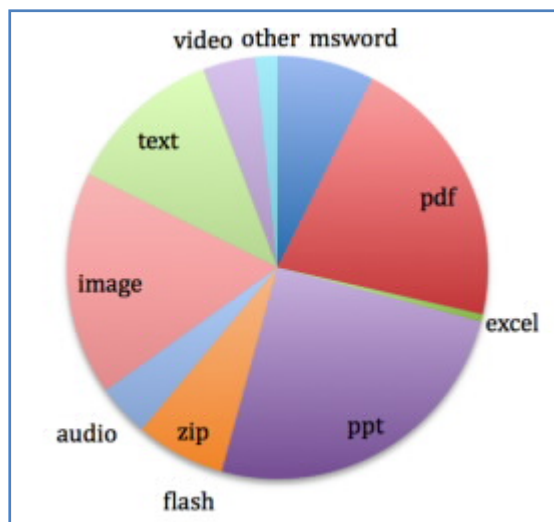
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- EPrints software platform
- .soton.ac.uk – institutional commitment
- New lightweight interface
- Intuitive and minimal description of material required
- Will continue to work with a range of practitioners to use and develop EdShare
- Debra Morris is the library lead on teaching and learning



# A variety of content with a variety of access!

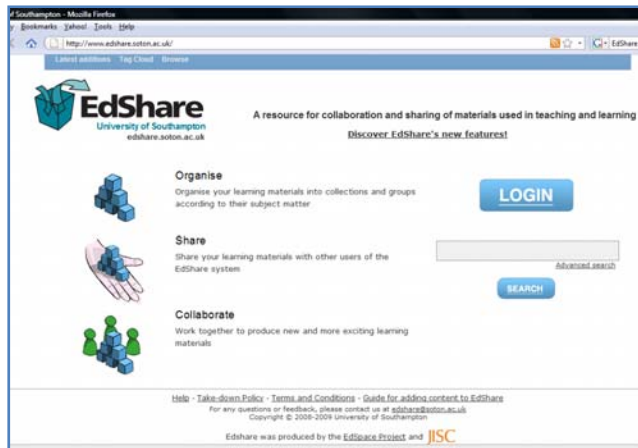
- We are joining the project KeepIt .....
- to enable a diverse range of digital content presented by institutional repositories - research papers, science data, arts, teaching materials and theses - to be managed effectively today, tomorrow and beyond.
- Snapshots at project end March 2009





# 2 parallel developing repositories within Southampton's Learning Societies Lab

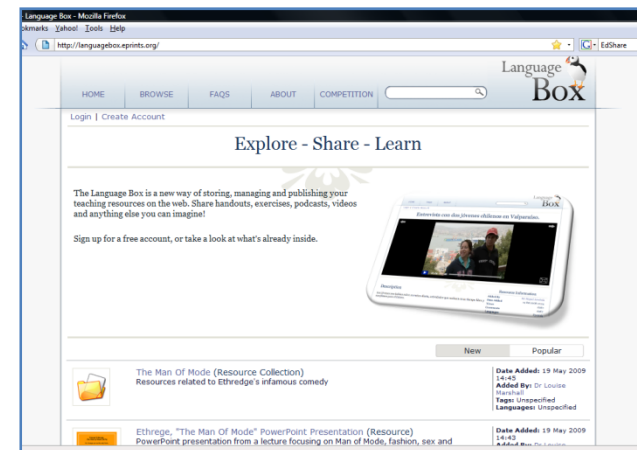
- EdShare
- Institution
- EdSpace Project



- The Language Box
- Community – language teachers



Project



- Sharing experience and will feed best functionality into future EPrints for teaching resources



# Looking beyond the EdSpace project

- You may have met one of our team
- - Patrick McSweeney – here
- OneShare 1st April 2009 to 1st April 2011
- Community attitudes to copyright and ownership
- Institutional Policy – supporting sharing
- Enabling technology Integration between Virtual Learning Environments (VLEs), Institutional and Community Repositories





# Towards a richer sharing environment

- **allAboutMePrints** 1st April 2009 to 1st October 2009
- more sophisticated profile pages
- give users a home within the repository, act as a focus for their work, and help them feel more ownership of the work that they deposit. This increases the visibility of the repository and encourages more deposits.
- Feeding into EPrints software



# Benefits realisation

- Following on from being an Institutional Exemplar project 1<sup>st</sup> April 2009 to 31<sup>st</sup> March 2010
- Increasing take up in the broader community of institutional teaching and learning repositories
- Including working with University of Worcester
- Language faculty of Open University





# The broader landscape includes a national repository

- We plan to work with our national repository Jorum – who are developing JorumOpen –
- anyone will be able to search, browse and download the materials deposited under JorumOpen. Authenticated access will be required only where materials have been deposited with additional licensing restrictions





# Supporting the long term vision of research led teaching



- For both research and teaching - we are supporting a gradual culture change at the grass roots complementing the global advocacy
- As we said for open access to research - it is helpful to be part of the workflow of the academic – give them something they really want
- As we said for research repositories:  
**'All rising to great place is by a winding stair'** - Francis Bacon
- The quote is still apt: encouraging **sharing within the institution and beyond** is a great start for teaching resources.
- As Wendy White endorsed yesterday its about building trust.



# EdShare: the core

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EdShare the service: [edshare.soton.ac.uk](http://edshare.soton.ac.uk)

Communication and feedback: [edshare@soton.ac.uk](mailto:edshare@soton.ac.uk)

The Project is EdSpace: [www.edspace.ecs.soton.ac.uk](http://www.edspace.ecs.soton.ac.uk)

Thank you to:

The rest of the EdSpace team:

Debra Morris project manager, technical support:  
Sebastien Francois, technical advisor: Tim Miles-  
Board (EPrints Services), Leslie Carr (EPrints  
software director), Su White (Institutional Culture  
Advisor), Hugh Davis (Project Director)

The academic enthusiasts in pilot schools



# The fun part of the project and the conference.....

