

Opening Access Repositories - *in a Nutshell*

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What's it all about

△ Open Access

△ Budapest Open Access Initiative

△ “An old tradition and a new technology have converged to make possible an unprecedented public good . . .”

– <http://www.soros.org/openaccess/read.shtml>

△ High principals to practicalities



Open Access landscape

- △ Open Access - definitions
 - Open Access Journals
 - Open Access Repositories

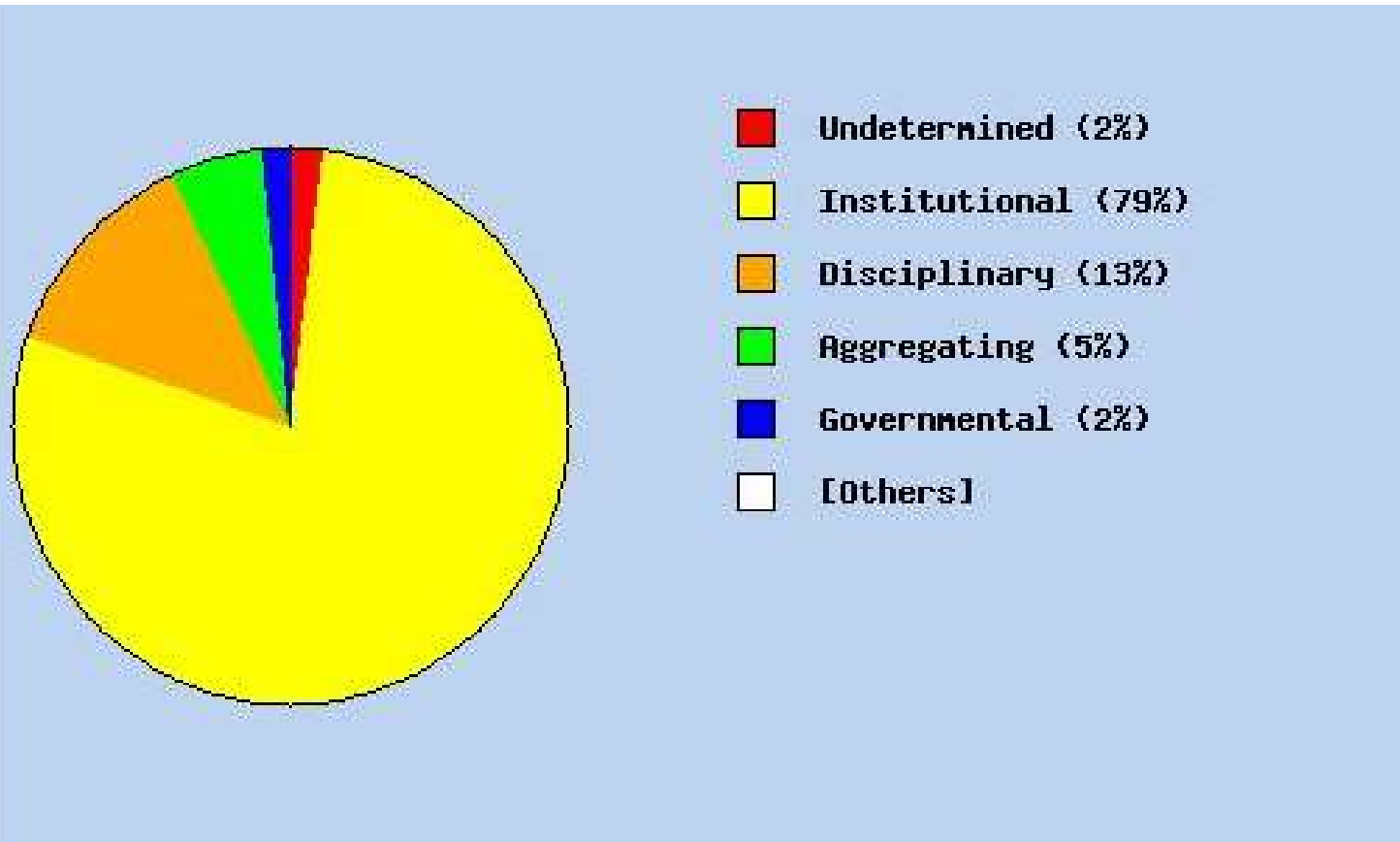
- △ Data Providers and Service Providers
- △ Repository networks

- △ Policy developments - publishers, funders, institutions

Why *institutional* repositories?

- △ The OAI-PMH allows a single gateway to search and access many repositories
 - subject-based portals or views
 - subject-based classification and search
 - institutional storage and support
- △ Practical reasons
 - use institutional infrastructure
 - integration into work-flows and systems
 - support is close to academic users and contributors

Repository Types



Repository content

- △ Preprints
- △ Postprints
- △ Datasets
- △ Learning objects
- △ Videos
- △ Sound files
- △ Theses
- △ Dissertations
- △ Royalty publications
- △ Conference papers
- △ Technical reports
- △ Grey literature
- △ linkage between these objects

Repository use

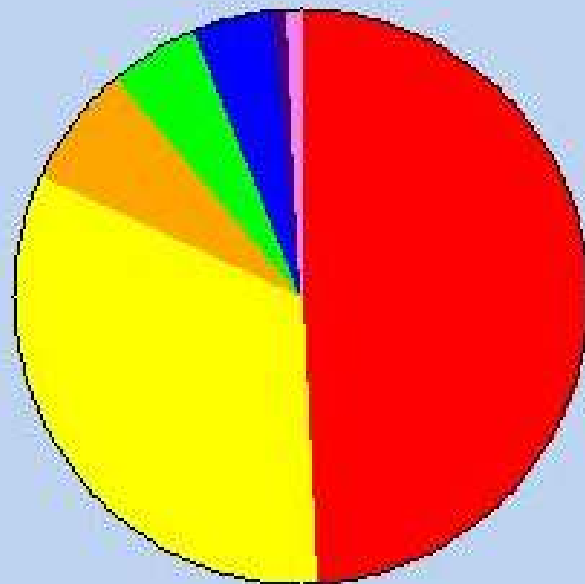
- △ Access to material
- △ Citation analysis
- △ Overlay journals
- △ Review projects
- △ Evidence based work
- △ Data-mining
- △ Cross-institutional research group virtual research environments
- △ *Services built on top*
- △ RAE-like submissions, activities and management
- △ Archival storage
- △ “Shop-windows”
- △ Facilitate industrial links
- △ Career-long personalised work spaces



Use of IRs in HE

- △ Exposure of research outputs
- △ Shop window
- △ RAE-like activities
- △ Data management
- △ Integration with information environment
- △ Conference papers
- △ eTheses, eDissertations
- △ . . . all these are internal or outgoing
- △ *how to use these resources within library provision?*

Repositories by Continent



European Repositories



Russell & 1994 Groups

- △ University of Bath
- △ Birkbeck
- △ University of Birmingham
- △ University of Bristol
- △ University of Cambridge
- △ Cardiff University
- △ University of Durham
- △ University of East Anglia
- △ University of Edinburgh
- △ University of Essex
- △ University of Exeter
- △ University of Glasgow
- △ Goldsmiths
- △ Imperial College
- △ King's College London
- △ Lancaster University
- △ University of Leeds
- △ University of Leicester
- △ University of Liverpool
- △ Loughborough University
- △ LSE
- △ University of Manchester
- △ University of Newcastle
- △ University of Nottingham
- △ University of Oxford
- △ Queen Mary
- △ Queen's University
- △ University of Reading
- △ Royal Holloway
- △ University of St Andrews
- △ University of Sheffield
- △ SOAS
- △ University of Southampton
- △ University of Surrey
- △ University of Sussex
- △ University of Warwick
- △ UCL
- △ University of York



Putting stuff in, getting stuff out

△ Deposit

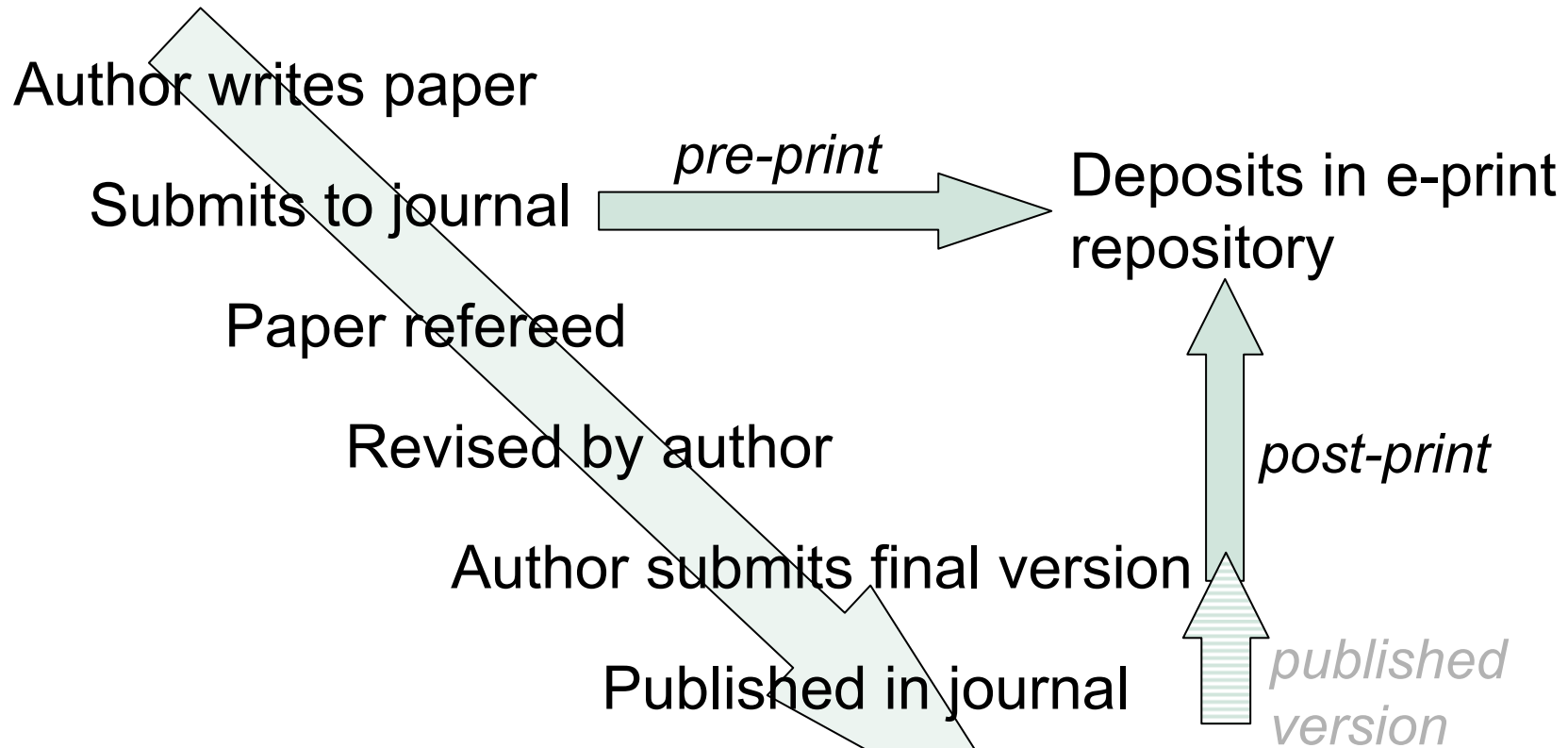
- create a description of the eprint
- attach a copy
- put into an institutional repository
- takes about 10 minutes

△ Discovery

- use search engines
- subject-based portals
- find similar material within your subject



publication & deposition



Academic concerns

- △ Subject base more natural ?
 - institutional infrastructure, view by subject
- △ Quality control ?
 - peer-review clearly labelled
- △ Plagiarism
 - old problem - and easier to detect
- △ “I already have my papers on my website”
 - unstructured for RAE, access, search, preservation
- △ Threat to journals?
 - evidence shows co-existence possible - but in the future ?

Issues for academic use

- △ Copyright restrictions
 - approx.. 93% (of Nottingham's) journals allow their authors to archive
- △ Embargoes
 - defines relationship of publisher to research
- △ Cultural change
 - like email
- △ Deposition policies from funders

Developing environment

△ Funding mandates

- RCUK
- Wellcome Trust
- [Arthritis Research Campaign](#)

△ European Commission

- '[Study on the Economic and Technical Evolution of the Scientific Publication Markets of Europe](#)'
- Petition - 22,000 signatures

△ The Guardian' "Free our data" campaign



Research Funder <i>(linked to Juliet summary)</i>	Whether to archive	What to archive	When to archive	Country
Arthritis Research Campaign (arc)	✓	✓	-	United Kingdom
Arts and Humanities Research Council (AHRC)	-	-	-	United Kingdom
Australian Research Council (ARC)	-	✓	-	Australia
Biotechnology and Biological Sciences Research Council (BBSRC)	✓	✓	-	United Kingdom
British Heart Foundation (BHF)	-	-	-	United Kingdom
Cancer Research UK	-	-	-	United Kingdom
Chief Scientist Office, Scottish Executive (CSO)	✓	✓	-	United Kingdom
Council for the Central Laboratory of the Research Councils (CCLRC)	-	✓	-	United Kingdom
Department of Health	-	-	-	United Kingdom
Deutsche Forschungsgemeinschaft (DFG)	-	✓	-	Germany
Economic and Social Research Council (ESRC)	✓	✓	-	United Kingdom
Engineering and Physical Sciences Research Council (EPSRC)	-	-	-	United Kingdom
Fonds zur Förderung der wissenschaftlichen Forschung (FWF)	-	✓	-	Austria
Medical Research Council (MRC)	✓	✓	-	United Kingdom
National Health and Medical Research Council (NHMRC)	-	✓	-	Australia
National Institutes of Health (NIH)	-	✓	-	United States
Natural Environment Research Council (NERC)	✓	✓	-	United Kingdom
Particle Physics and Astronomy Research Council (PPARC)	✓	✓	-	United Kingdom
Wellcome Trust	✓	✓	-	United Kingdom

Practical Issues

- △ Who does the work?
- △ Who pays for it?
- △ Academic engagement - advocacy
- △ Institutional engagement - advocacy
- △ Who can help?

Ingest - *who does the work?*

△ Self-archiving

- scalable
- maintains status-quo

△ Mediated

- metadata improved
- processes are difficult
- not scalable

△ Mixed economy

- scalable
- close to users
- costs dispersed
- needs management



Development arc - *ingest*

- △ Research papers - published
- △ Conference papers
- △ Book chapters
- △ eTheses
- △ Research data
- △ Learning and teaching materials
- △ Grey literature

Development arc - *use*

△ Access

- exposure
- publication lists
- shop-windows
- integration with information environment
- integration with library provision
- research management
- research audit

△ Open Access

△ Re-use support

- data-mining
- evidence-based work

△ Overlay journals

△ Citation services



Services

△ RoMEO

- www.sherpa.ac.uk/romeo

△ JULIET

- www.sherpa.ac.uk/juliet

△ OpenDOAR

- www.opendoar.org
- www.opendoar.org/search

△ BASE

- digital.ub.uni-bielefeld.de/index.php



Support

△ SHERPA

- Partners and Affiliates

△ Repositories Support Project - RSP

- www.rsp.ac.uk
- summer school, road-shows, visits

△ DRIVER

- www.driver-support.eu
- mentoring, international collaboration

△ UKCoRR

- launching on 21st May



OpenDOAR DIRECTORY OF
OPEN ACCESS
REPOSITORIES

SHERPA



REPOSITORIES
SUPPORT PROJECT

www.sherpa.ac.uk

www.opendoar.org

www.driver-support.eu

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The University of
Nottingham

SHERPA Partners

- University of Nottingham
 - University of Birmingham
 - University of Bristol
 - University of Cambridge
 - University of Durham
 - University of Edinburgh
 - University of Glasgow
 - London LEAP Consortium
 - University of Newcastle
 - University of Oxford
 - White Rose Partnership
 - The British Library
 - Arts & Humanities Data Service
- London LEAP Consortium*
- Birkbeck College
 - Goldsmiths College
 - Imperial College
 - Institute of Cancer Research
 - Kings College
 - London School of Economics and Political Science (LSE)
 - Royal Holloway
 - Queen Mary
- School of Oriental and African Studies (SOAS)
 - School of Pharmacy (SoP)
 - University College, London (UCL)
- White Rose Partnership*
- University of Leeds
 - University of Sheffield
 - University of York

