

# Opening Access Repositories *- in a Nutshell*

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# What's it all about

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- △ 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

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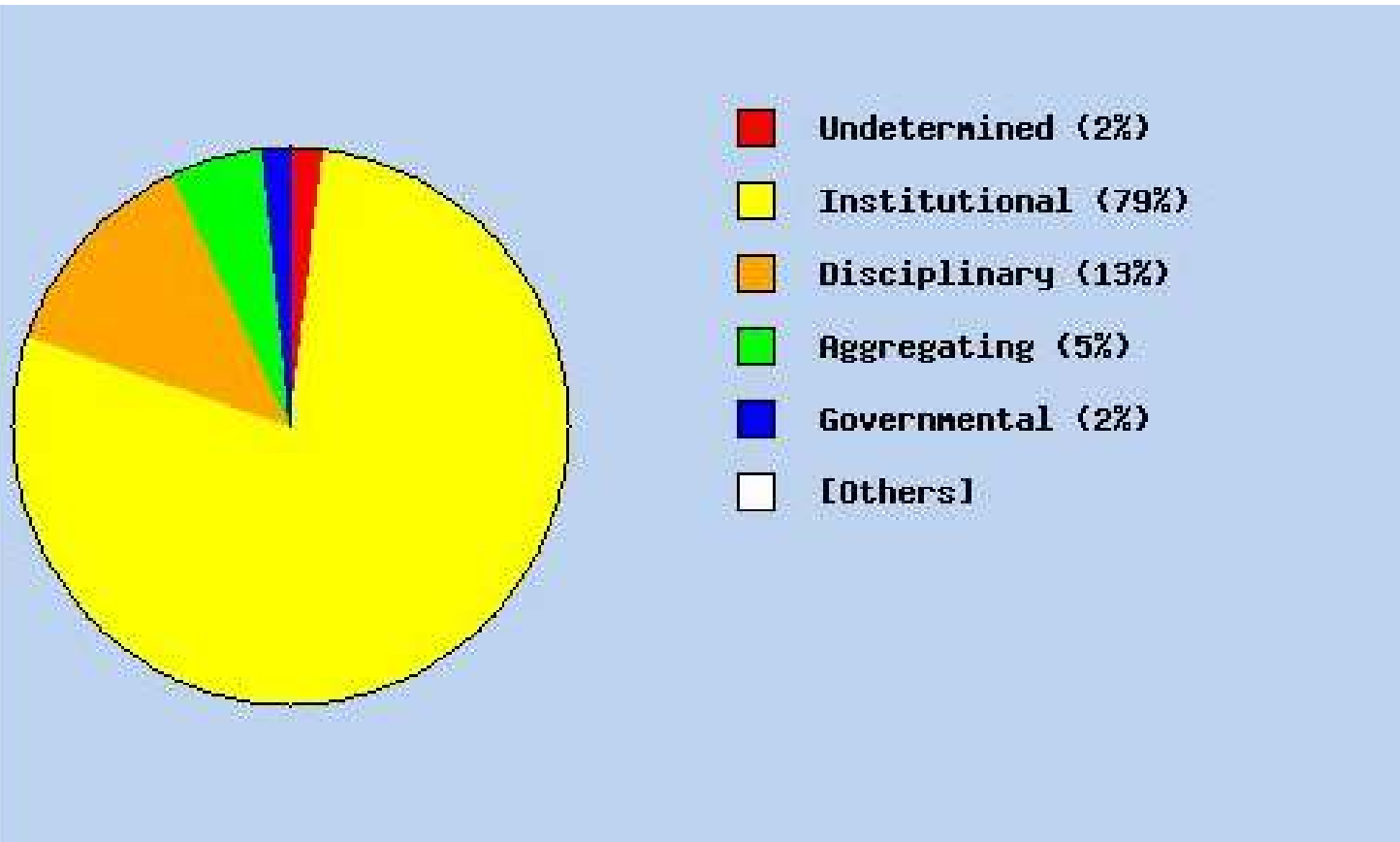
- △ Open Access - definitions
  - Open Access Journals
  - Open Access Repositories
  
- △ Data Providers and Service Providers
- △ Repository networks
  
- △ Policy developments - publishers, funders, institutions

# Why *institutional* repositories?

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- △ 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

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

# Repository use

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- △ 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

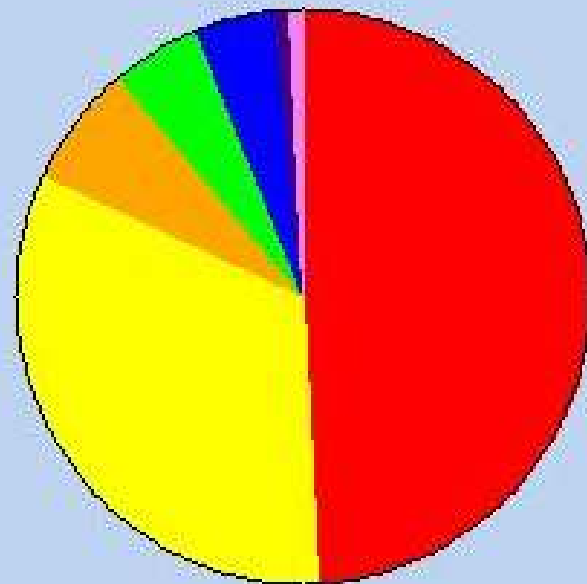


# Use of IRs in HE

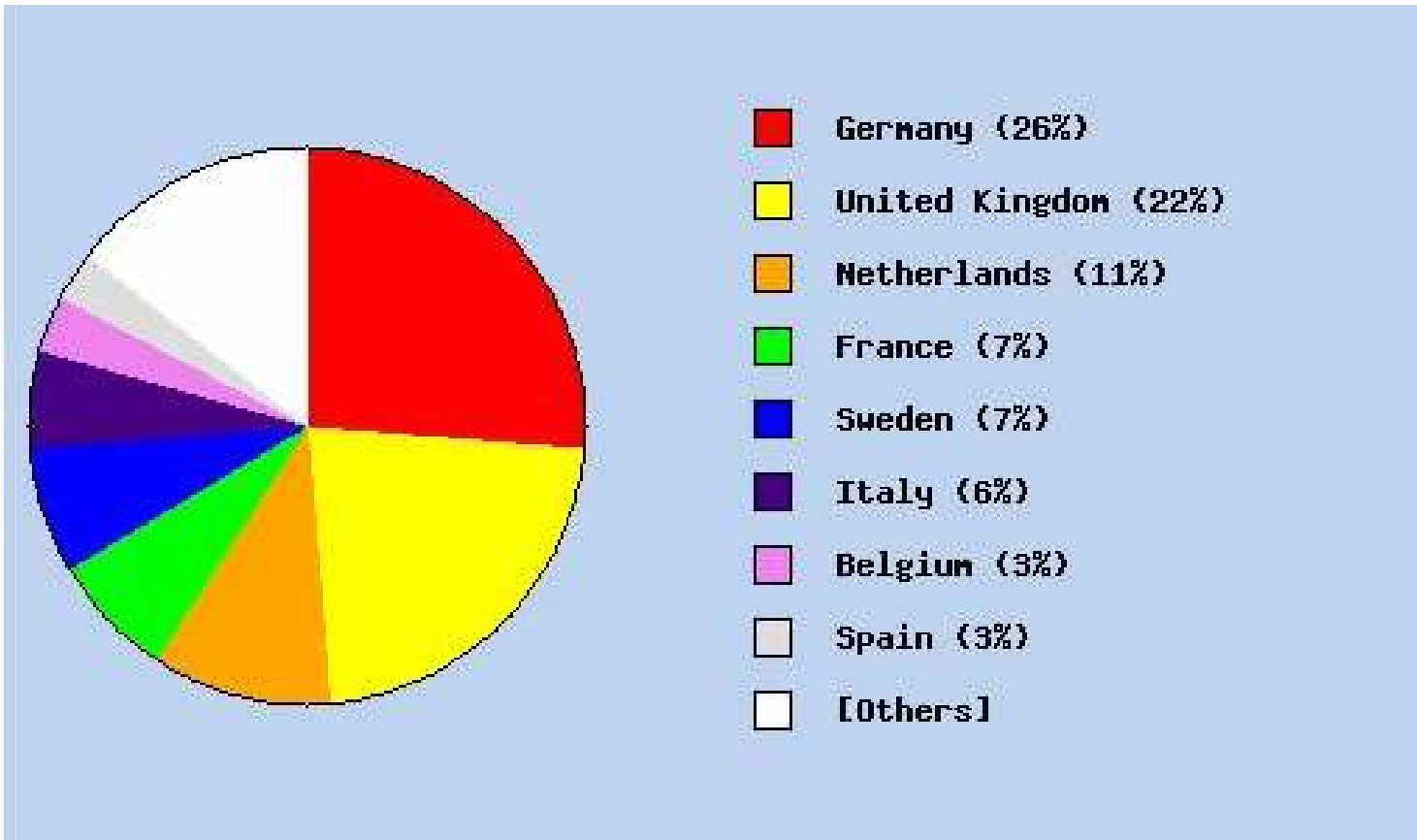
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- △ Exposure of research outputs
- △ Shop window
- △ RAE-like activities
- △ Data management
- △ Integration with information environment
- △ Conference papers
- △ eTheses, eDissertations
- △ . . . all these are internal or outgoing
- △ *how to use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

# Repositories by Continent



# European Repositories



# Russell & 1994 Groups

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- △ 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

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## △ Deposit

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

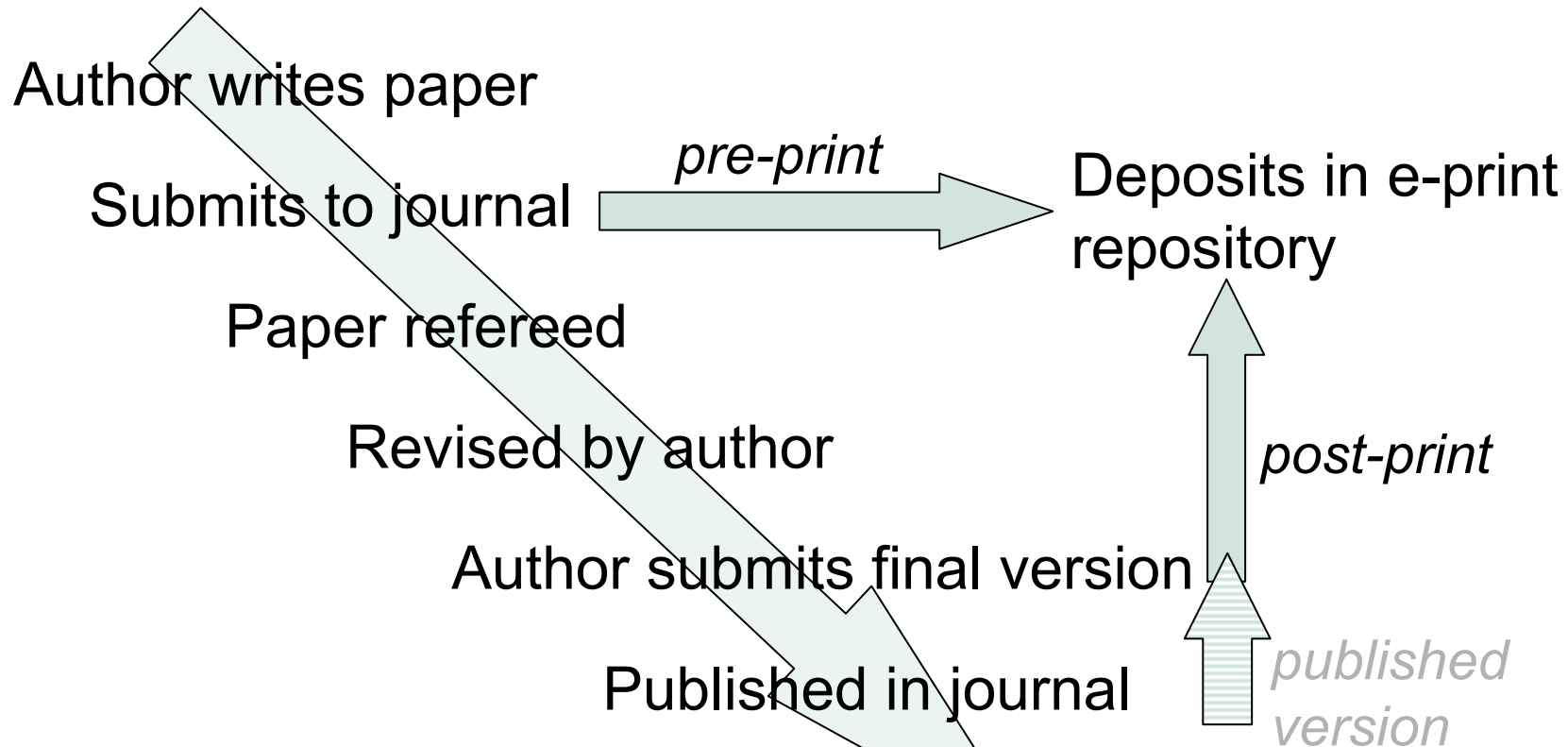
## △ Discovery

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



# publication & deposition

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# Academic concerns

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- △ 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

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- △ 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

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## △ 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



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

# Practical Issues

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

# Ingest - *who does the work?*

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- △ 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*

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

# Development arc - *use*

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## △ 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

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## △ RoMEO

- [www.sherpa.ac.uk/romeo](http://www.sherpa.ac.uk/romeo)

## △ JULIET

- [www.sherpa.ac.uk/juliet](http://www.sherpa.ac.uk/juliet)

## △ OpenDOAR

- [www.opendoar.org](http://www.opendoar.org)
- [www.opendoar.org/search](http://www.opendoar.org/search)

## △ BASE

- [digital.ub.uni-bielefeld.de/index.php](http://digital.ub.uni-bielefeld.de/index.php)



# Support

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## △ SHERPA

- Partners and Affiliates

## △ Repositories Support Project - RSP

- [www.rsp.ac.uk](http://www.rsp.ac.uk)
- summer school, road-shows, visits

## △ DRIVER

- [www.driver-support.eu](http://www.driver-support.eu)
- mentoring, international collaboration

## △ UKCoRR

- launching on 21<sup>st</sup> May



OpenDOAR DIRECTORY OF  
OPEN ACCESS  
REPOSITORIES

SHERPA



REPOSITORIES  
SUPPORT PROJECT

[www.sherpa.ac.uk](http://www.sherpa.ac.uk)

[www.opendoar.org](http://www.opendoar.org)

[www.driver-support.eu](http://www.driver-support.eu)

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The University of  
**Nottingham**

# SHERPA Partners

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- 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

