

I T H A K A

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# Portico Digital Preservation Service: Helping libraries transition from print to e-resources

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Strategic Partnerships

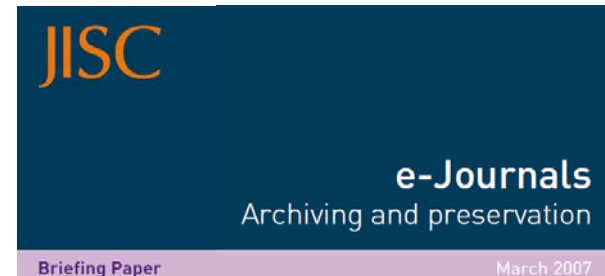
# Transition from Print Raises Questions

- How do we assure the future usability of e-content?
- How do libraries assure long-term institutional access to scholarly resources?
- Where does the preservation responsibility rest...libraries, publishers, third parties?
- Can we take advantage of economies of scale?



# e-Resources Require New Preservation Approaches

- Scale and complexity of digital assets outweighs preservation resources of single institution.
- Collaboration among libraries, publishers, and third-parties needed for cost-effectiveness.
- Digital preservation requires significant infrastructure – technological, organizational, and staff expertise – and an economic model to support the ongoing work.



Libraries have in the past assumed preservation responsibility for material they collect, while publishers have supplied the material they need. These well understood divisions of labour do not work in the digital environment and especially so when dealing with licensed e-journals.

# Portico Digital Preservation Services

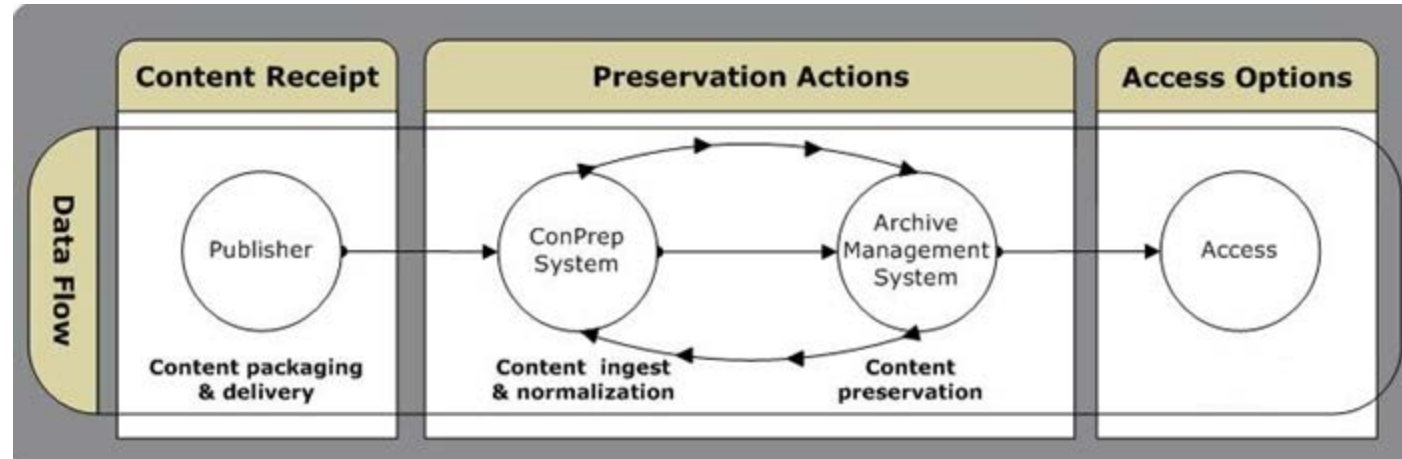
- Portico's objective is to help libraries make a secure and reliable transition from print to a reliance on e-content.
- Maintains archiving agreement with publishers to collect and preserve content.
- Receives content directly from publishers.
- Preserves:
  - Current journals (born digital)
  - Back file journals (reborn digital)
  - E-books
  - Digitized historical collections



# An “Insurance Policy” for e-resources

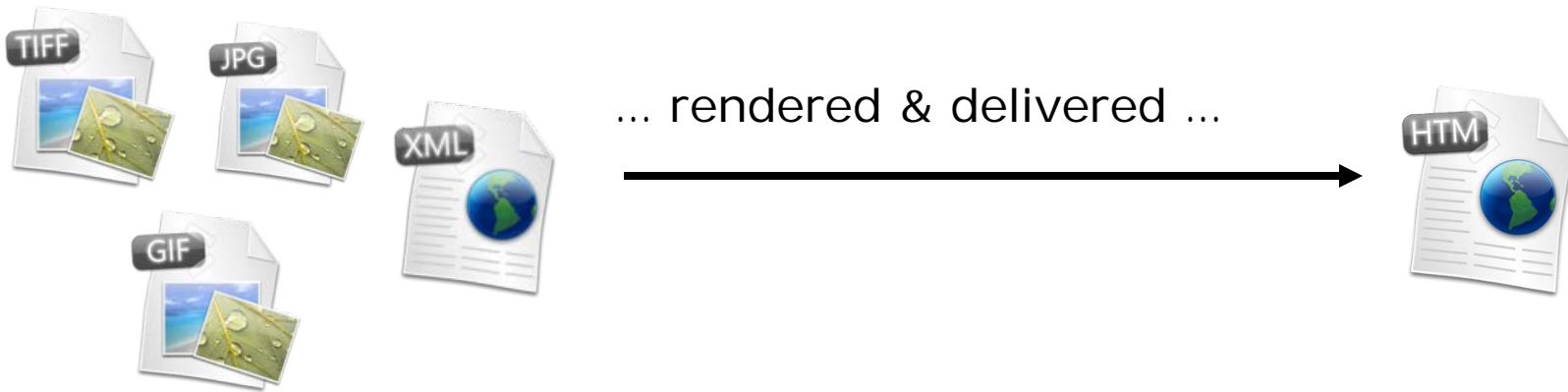
- Provide libraries with access to archived content when it becomes lost, orphaned or abandoned (regardless of libraries past or current subscription):
  1. Publisher ceases operation
  2. Publisher discontinues title
  3. Publisher drops back file
- Provide libraries with post-cancellation access – if publisher specifically names Portico (about 90% of titles in Archive are covered by Portico post-cancellation access rights.)
- Libraries asked to pay annual Archive support payment to defray cost of preservation, e.g. “insurance premium”
- Annual cost based on total library materials expenditure and content format select, i.e. e-books, e-journals, or both.

# Portico Preservation Infrastructure



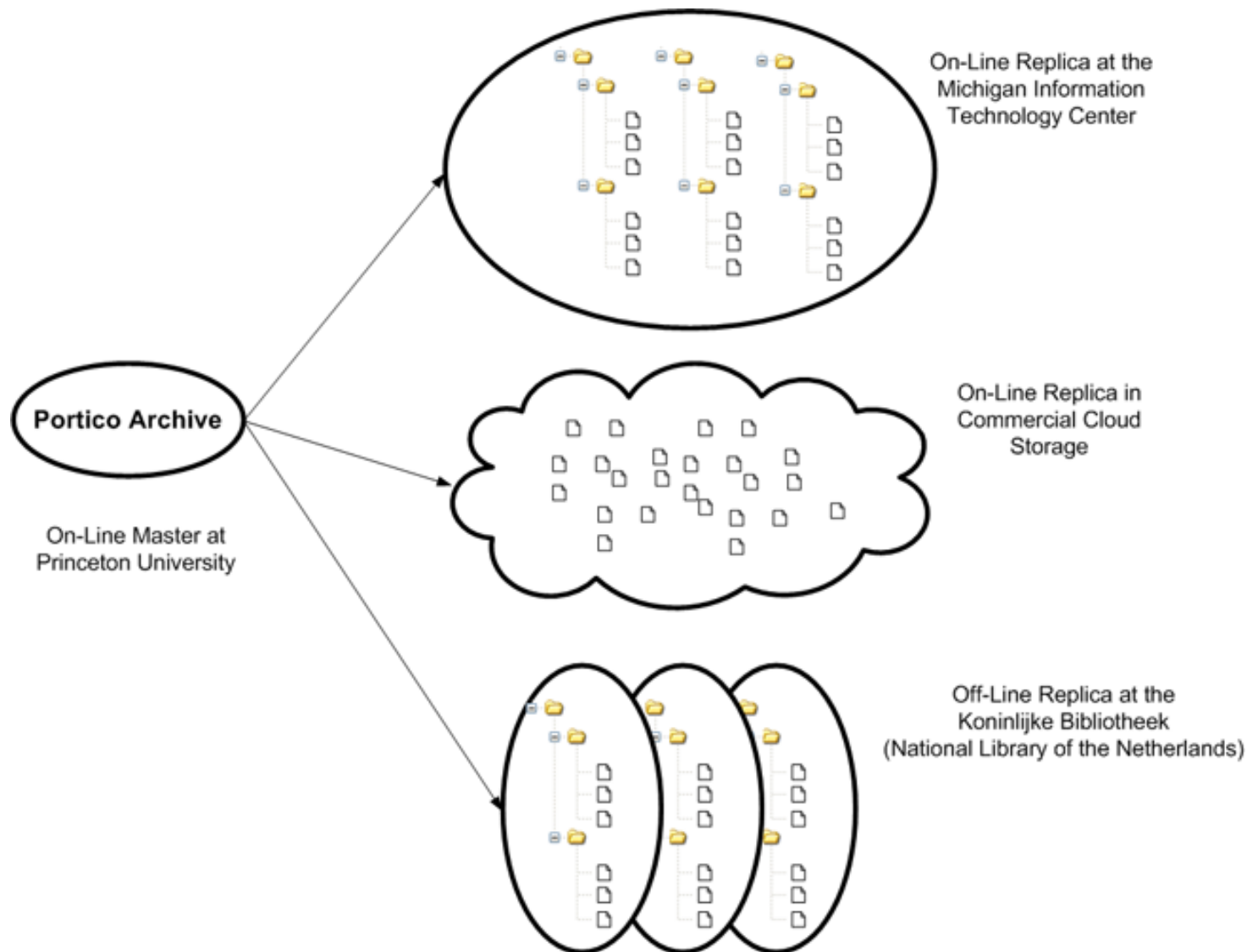
- Multi-component content management system to assure long-term usability and discoverability of scholarly materials.
- Analyses and repairs “broken” publisher content and creates preservation metadata record.
- Normalizes publisher XML to National Library of Medicine’s Journal Archiving Tag Set specification (i.e. DTD).

# Rendition for Access



- Content is rendered to support current delivery platform, i.e. web browser.
- Rendition engine can be modified to meet new technology requirements.

# Lots of Copies Keep Stuff Safe





# Archive Snapshot

## PORTICO

[Home](#)  
[Contact Us](#)  
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**ITEMS PRESERVED**  
in the Portico Archive

**14,973,030**

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### Graft

#### Table of Contents for Volume 6, Issue 2, March 2003

**Liver Transplantation: An Overview**

Michael R. Lucey  
68-70, March 2003

[PDF](#) | [Additional Article Information](#)

**The Allograft Immune Response**

Peter Abt, Abraham Shaked  
71-79, March 2003

[PDF](#) | [Additional Article Information](#)

**Assessment for Liver Transplantation**

Michael R. Lucey  
80-92, March 2003

[PDF](#) | [Additional Article Information](#)

**Management on the Liver Transplant Waiting List**

James Neuberger  
93-97, March 2003

[PDF](#) | [Additional Article Information](#)

**The Liver Transplant Operation**

Michael Crawford, Abraham Shaked  
98-109, March 2003

[PDF](#) | [Additional Article Information](#)

**Immunosuppression after Liver Transplantation**

James Neuberger

Each table of contents appears in a common style

Full citations and all renditions are available in a common style

## Archive Snapshot



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14,973,030

[Home](#) > [Available Titles](#) > [Graft](#) > [Table of Contents](#) > Additional Article Information[PDF](#) | Additional Article InformationStable URL: <http://69.167.69.3/Portico/article?article=pd3r0ds8r>ARK ID: [ark:/27927/pd3r0ds8r](http://n2t.net/ark:/27927/pd3r0ds8r)

Journal Title: Graft

Print ISSN: 1522-1628

Publisher: Sage Publications; Sage CA: Thousand Oaks, CA

Citation: Volume 6, Issue 2, March 2003, pages 80-92

Article DOI: [10.1177/1522162803256702](https://doi.org/10.1177/1522162803256702)

## Assessment for Liver Transplantation

Michael R. Lucey, MD, FRCPiI

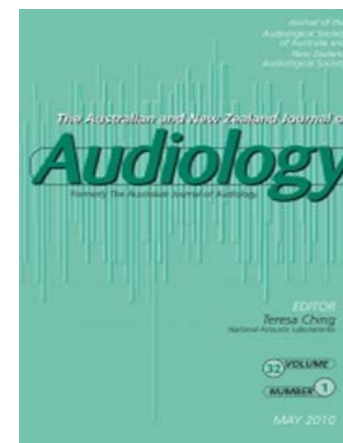
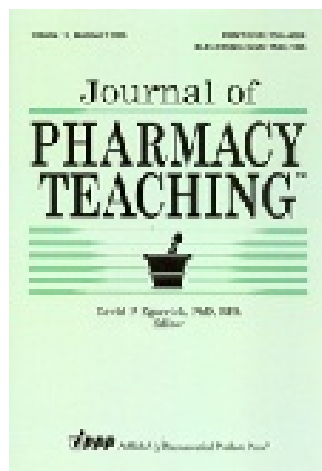
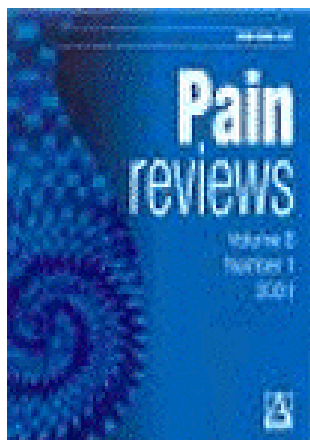
University of Wisconsin School of Medicine, (email: [mrl@medicine.wisc.edu](mailto:mrl@medicine.wisc.edu))

### Abstract

Selection of recipients for liver transplantation is based on 1) the severity and prognosis of the patient's liver disease; 2) related medical, surgical, and psychological factors; and 3) the desires of the patient. Severity of liver failure in patients with chronic liver disease is assessed by the Child-Pugh classification and the MELD (model for end-stage disease based) score. The Child-Pugh classification is based on empiric evaluation of 1) ascites, 2) encephalopathy, 3) prothrombin time, 4) serum bilirubin, and 5) serum albumin. The MELD score is based on 1) INR, 2) serum bilirubin, and 3) serum creatinine. The timing of placement of patients on the waiting list is based on assessment of stable versus decompensated cirrhosis. In the United States, patients are centrally listed and organs are first allocated to the sickest patient. Priority is given to patients with fulminant hepatic failure or primary allograft nonfunction. Suitability for transplant includes cardiac, pulmonary, renal,

Standardized HTML  
for abstracts and full-  
text

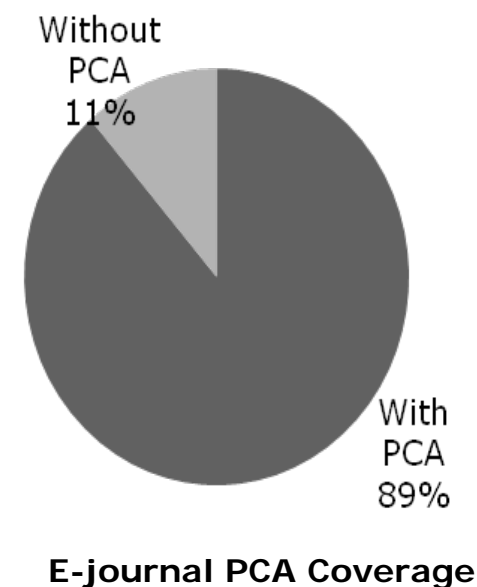
# Responding to Trigger Events



All participating libraries receive access,  
regardless of previous subscription status

# Responding to Port-Cancellation Access Claims

|  | No. of Library<br>PCA Claims |
|--|------------------------------|
| <b>E-Book Content</b>                          | <b>2</b>                     |
| Springer                                       | 2                            |
| <b>E-Journal Content</b>                       | <b>139</b>                   |
| Elsevier                                       | 116                          |
| Nature Publishing Group                        | 4                            |
| Oxford University Press                        | 4                            |
| Society for Industrial and Applied Mathematics | 14                           |
| University of California Press                 | 1                            |
| <b>Grand Total</b>                             | <b>141</b>                   |



# Perspective in Germany

## Primary Recommendation

*"Participation in Portico, a US based not-for-profit archive. Possibly one institution in Germany could pilot this service over the first horizon of the Strategy. A dialogue could be established to discuss potential weaknesses from a German perspective and future directions."*



## ENSURING PERPETUAL ACCESS: ESTABLISHING A FEDERATED STRATEGY ON PERPETUAL ACCESS AND HOSTING OF ELECTRONIC RESOURCES FOR GERMANY

Edited Final Report – February 2010

Prepared by:

Charles Beagrie Limited in association with Globale Informationstechnik GmbH

[www.beagrie.com](http://www.beagrie.com)

A study funded by

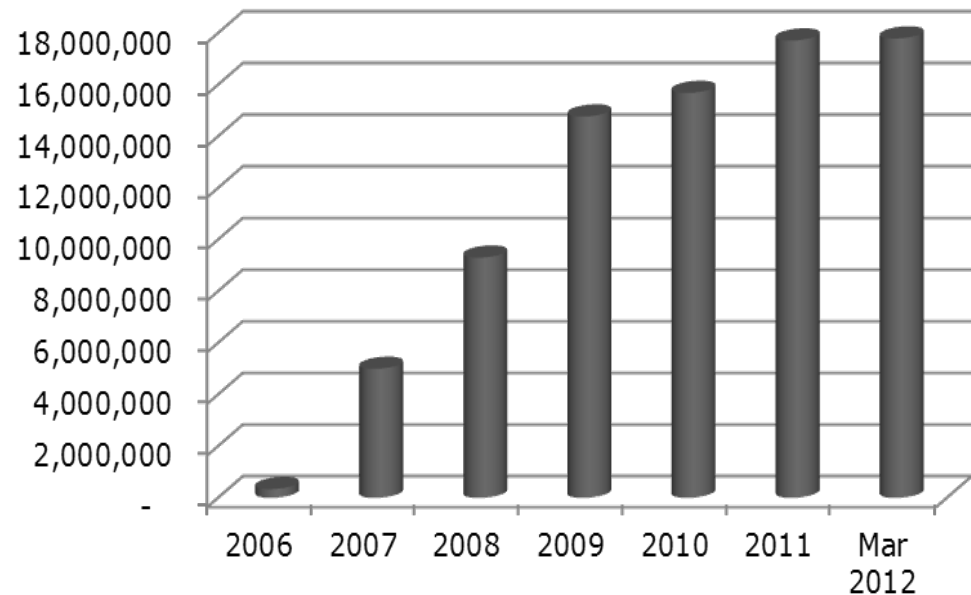
The Alliance of German Science Organisations

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Forschungsgemeinschaft on behalf of the Alliance of German Science Organisations 2010

# Publisher Participation & Portico Progress

- Over 2,000 publishing entities:
  - commercial houses
  - professional societies
  - university presses



# Preserving e-Books & d-Collections

| Publisher                                      | Committed Books |
|--|-----------------|
| Brill  | 2,728           |
| Cambridge University Press                     | 13,710          |
| De Gruyter                                     | 3,663           |
| Duke University Press                          | 1,393           |
| Elsevier                                       | 13,668          |
| John Wiley & Sons, Inc.                        | 17,909          |
| Oxford University Press                        | 4,699           |
| Palgrave Macmillan                             | 7,240           |
| Society for Industrial and Applied Mathematics | 184             |
| SPIE   | 144             |
| Springer                                       | 33,925          |
| Taylor & Francis Group                         | 23,696          |
| Woodhead Publishing Limited                    | 626             |
| Total:   | 123,585         |

***Publishers participating in  
Books@JSTOR preserve  
content with Portico***



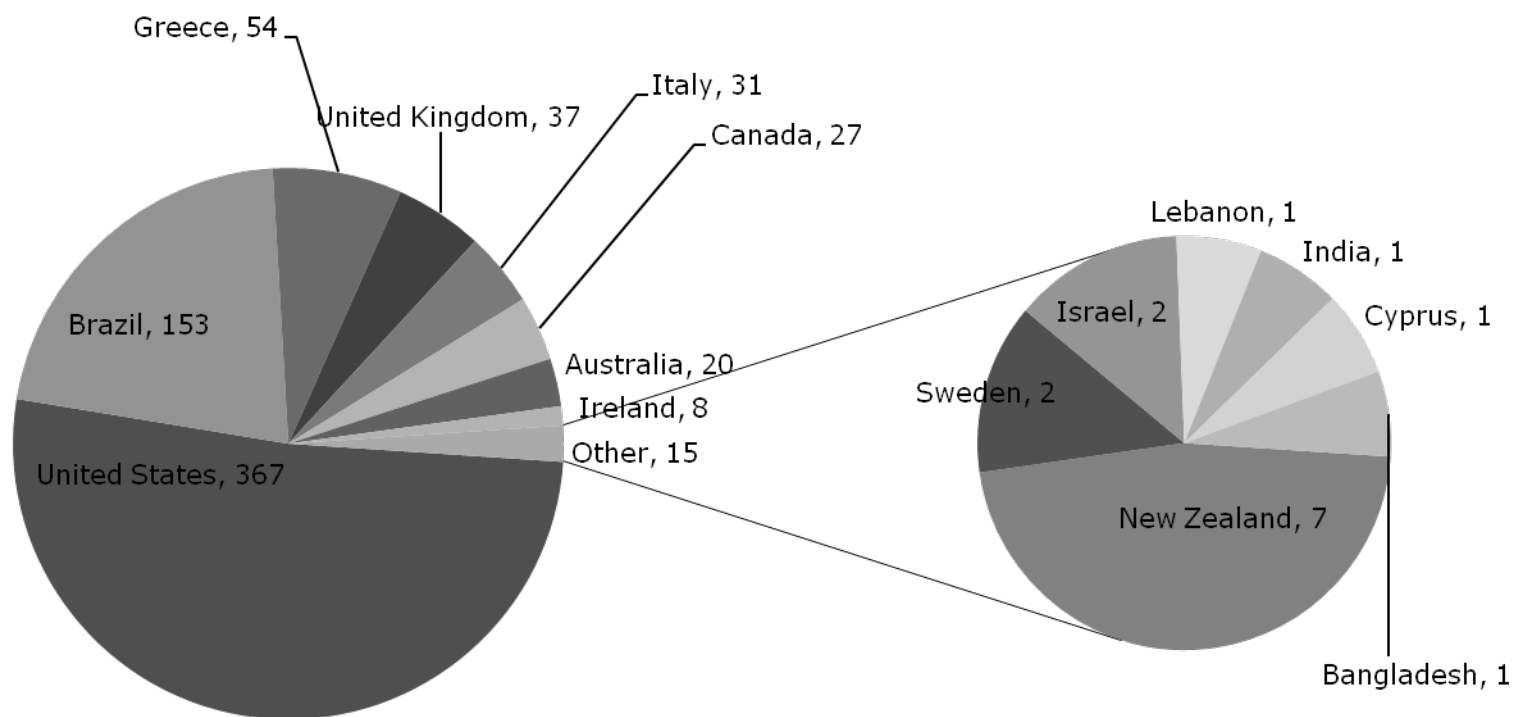
26 Collections



13 Collections

***75,261,150 pages  
539,358 books  
783,985 newspapers***

# Over 700 Participating Libraries



## 2012 library participants

- 68-member Portuguese library consortium (B-on)
- 10 new libraries in UK (JISC)



# Portico Digital Preservation Services

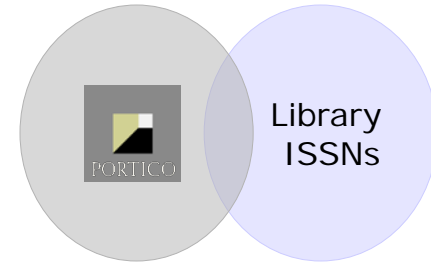
Starting on January 1, Portico offers separate e-journal, e-book, and d-collection preservation services.



Existing Portico participants continue to receive aggregated service until their initial agreements expire, with the exception of d-collections.

# Holdings Comparison

- Free service available to both participating and non-participating libraries.
- Compares library's journal holdings, both print and electronic, to what is being preserved in Portico.
- Measure of "insurance coverage" for library.



A screenshot of a Microsoft Excel spreadsheet titled 'sample2.xls'. The spreadsheet has three columns: 'ISSN', 'Title', and 'Publisher'. The data is as follows:

| ISSN      | Title   | Publisher         |
|-----------|---|-------------------|
| 1616-301X | Advanced functional materials   | John Wiley & Sons |
| 0935-9648 | Advanced materials (Deerfield Beach, Fla.) [VCH]                              | John Wiley & Sons |
| 0001-1541 | American Institute of Chemical Engineers. AIChE journal                       | John Wiley & Sons |
| 0570-0833 | Angewandte chemie international edition                                       | John Wiley & Sons |
| 0003-3804 | Annalen der physik  | John Wiley & Sons |
| 0364-5134 | Annals of neurology   | John Wiley & Sons |
| 0888-4080 | Applied cognitive psychology  | John Wiley & Sons |
| 0268-2605 | Applied organometallic chemistry  | John Wiley & Sons |
| 0003-6504 | Architectural design  | John Wiley & Sons |
| 0004-3591 | Arthritis and rheumatism  | John Wiley & Sons |
| 0993-7524 | Arthritis care and research   | John Wiley & Sons |
| 0932-8351 | Bautechnik  | John Wiley & Sons |
| 1089-7089 | Bell Labs technical journal   | John Wiley & Sons |
| 0005-9000 | Beton- und Stahlbetonbau  | John Wiley & Sons |
| 0265-9247 | BioEssays   | John Wiley & Sons |
| 0006-3625 | Biopolymers   | John Wiley & Sons |
| 0005-2692 | Biotechnology and bioengineering  | John Wiley & Sons |
| 0964-4733 | Business strategy and the environment   | John Wiley & Sons |
| 0008-543X | Cancer : a journal of the American Cancer Society                             | John Wiley & Sons |
| 0930-7516 | Chemical engineering and technology   | John Wiley & Sons |
| 0948-1907 | Chemical vapor deposition   | John Wiley & Sons |
| 0009-286X | Chemie - Ingenieur - Technik [CIT]  | John Wiley & Sons |
| 0947-6539 | Chemistry : a European journal  | John Wiley & Sons |
| 1613-1872 | Chemistry & biodiversity  | John Wiley & Sons |
| 0010-3640 | Communications on pure and applied mathematics                                | John Wiley & Sons |
| 1076-2787 | Complexity  | John Wiley & Sons |
| 0196-4763 | Cytometry [includes Communications in clinical cytometry, w/John Wiley & Sons | John Wiley & Sons |

# Konsortium der Schweizer Hochschulbibliotheken

## Lizenzen

Übersicht

News

Produkte

Bibliotheken

 suchen...

&gt; Produkte &gt; Übersicht: ZeitschriftenTitelliste

### Journals

|                                     |   |   |   |
|-------------------------------------|---|---|---|
| ACM Digital Library                 | ✓ | <a href="#">Titelliste</a> (Link zum Anbieter)                |   |
| ACS - American Chemical Society     | ✓ | <a href="#">Titelliste</a> (Excel-Tabelle, August 2011)       |   |
| American Society for Microbiology   |   | <a href="#">Titelliste</a> (Excel-Tabelle, Januar 2012)       |   |
| Annual Reviews                      | ✓ | <a href="#">Titelliste</a> (Link zum Anbieter)                |   |
| BioOne                              | ✓ | <a href="#">Titelliste</a> (Link zum Anbieter)                |   |
| BioMed Central                      | ✓ | <a href="#">Titelliste</a> (Link zum Anbieter)                |   |
| Cairn.info                          |   | <a href="#">Titelliste</a> (Excel-Tabelle, Mai 2012)          |   |
| Cambridge University Press Journals | ✓ | <a href="#">Titelliste</a> (Excel-Tabelle, Februar 2012)      |   |
| Elsevier                            | ✓ | <a href="#">Titelliste Science Direct</a> (Link zum Anbieter) | <a href="#">Titelliste Freedom Collection</a> (Externe PDF-Datei) |
| Emerald                             | ✓ | <a href="#">Titelliste</a> (Excel-Tabelle, Januar 2011)       | •   |
| IEL                                 | ✓ | <a href="#">Titelliste</a> (Link zum Anbieter)                | •   |
| Informa Healthcare                  | ✓ | <a href="#">Titelliste</a> (Excel-Tabelle, Oktober 2011)      | •   |
| IOP                                 | ✓ | <a href="#">Titelliste</a> (PDF, April 2012)                  | •   |
| JSTOR                               |   | <a href="#">Titelliste</a> (Link zum Anbieter)                | •   |

# Publisher Overlap

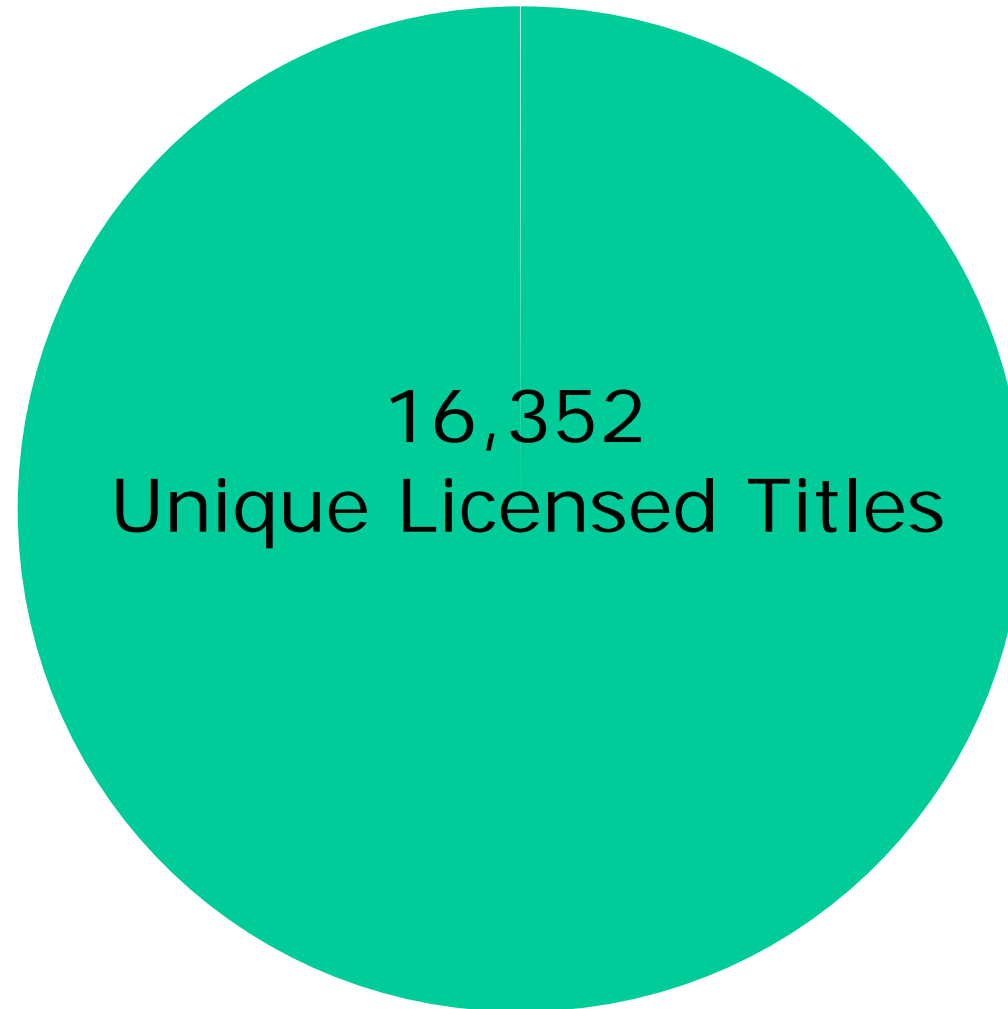
|                                |  |
|--------------------------------|--|
| ACM                            |  |
| American Chemical Society      |  |
| American Soc. for Microbiology |  |
| Annual Reviews                 |  |
| BioOne                         |  |
| BioMed Central                 |  |
| Cairn.info                     |  |
| Cambridge University Press     |  |
| Elsevier                       |  |
| Emerald                        |  |
| IEL                            |  |
| Informa Healthcare             |  |
| IOP                            |  |
| Karger                         |  |

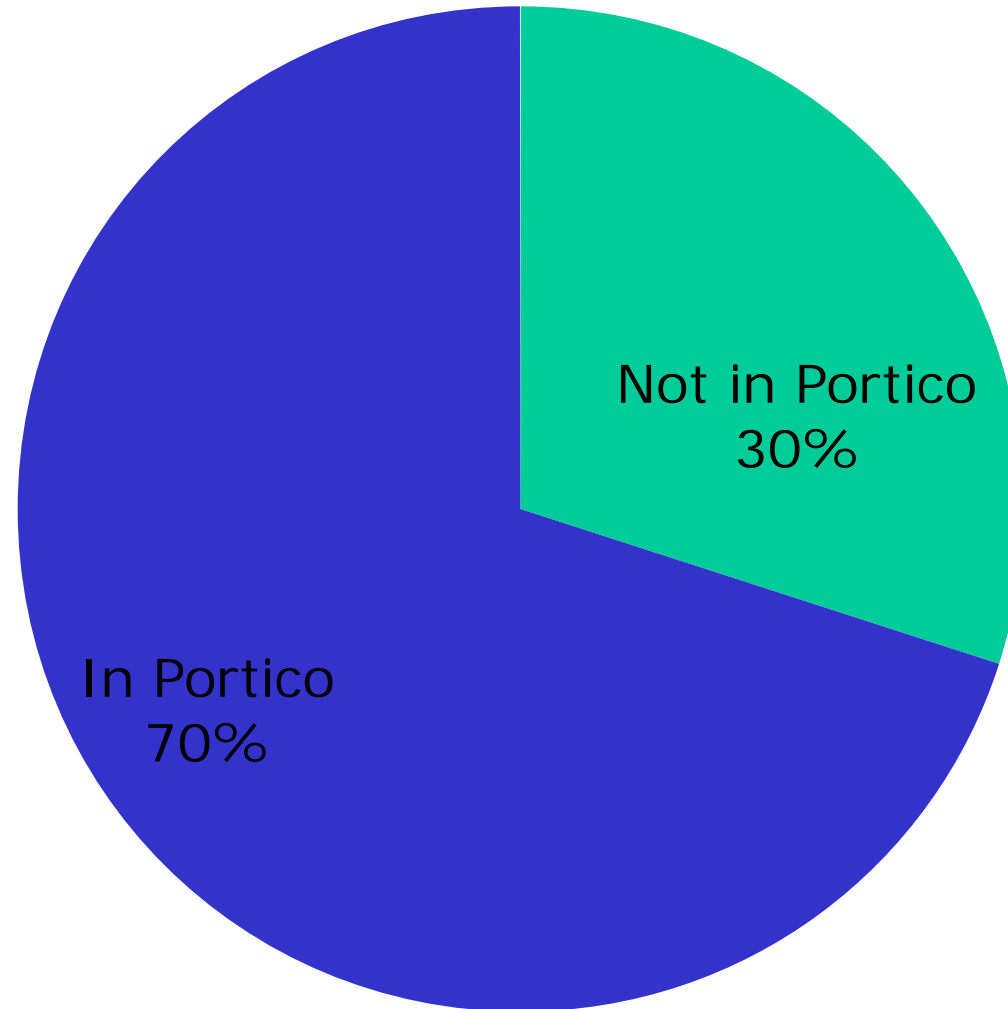
|                               |  |
|-------------------------------|--|
| Kluwer Law International      |  |
| Lippincott Williams & Wilkins |  |
| Mary Ann Liebert              |  |
| Nature & Palgrave Macmillan   |  |
| Oxford University Press       |  |
| Project MUSE                  |  |
| ResearchNow / bepress         |  |
| Royal Society of Chemistry    |  |
| SAGE                          |  |
| Science                       |  |
| Springer                      |  |
| Taylor & Francis              |  |
| Thieme                        |  |
| Wiley-Blackwell               |  |

# Publisher Overlap

|                                |   |
|--------------------------------|---|
| ACM                            | ✓ |
| American Chemical Society      | ✓ |
| American Soc. for Microbiology |   |
| Annual Reviews                 | ✓ |
| BioOne                         | ✓ |
| BioMed Central                 | ✓ |
| Cairn.info                     |   |
| Cambridge University Press     | ✓ |
| Elsevier                       | ✓ |
| Emerald                        | ✓ |
| IEL                            | ✓ |
| Informa Healthcare             | ✓ |
| IOP                            | ✓ |
| Karger                         | ✓ |

|                               |   |
|-------------------------------|---|
| Kluwer Law International      |   |
| Lippincott Williams & Wilkins | ✓ |
| Mary Ann Liebert              | ✓ |
| Nature & Palgrave Macmillan   | ✓ |
| Oxford University Press       | ✓ |
| Project MUSE                  | ✓ |
| ResearchNow / bepress         | ✓ |
| Royal Society of Chemistry    | ✓ |
| SAGE                          | ✓ |
| Science                       | ✓ |
| Springer                      | ✓ |
| Taylor & Francis              | ✓ |
| Thieme                        | ✓ |
| Wiley-Blackwell               | ✓ |





# Summary

- Collaborative program among libraries and publishers.
- Business model for economic sustainability.
- Robust, secure, and reliable digital preservation infrastructure.
- Demonstrated success responding to community trigger events and post-cancellation access claims
- Trustworthy repository and digital collection
  - Achieved Certification by Center for Research Libraries (2010)





Questions?