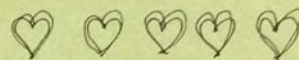




PORTICO

PRESERVATION AND STRENGTHENING TIES BETWEEN DATA AND PUBLICATIONS

Amy Kirchhoff
July 27, 2017





PORTICO

Amy Kirchhoff
Archive Service Product Manager
amy.kirchhoff@ithaka.org

ITHAKA

ITHAKA is a not-for-profit organization that helps the academic community use digital technologies to preserve the scholarly record and to advance research and teaching in sustainable ways.

ARTSTOR

Artstor provides 2+ million high-quality images and digital asset management software to enhance scholarship and teaching.



Ithaka S+R is a not-for-profit research and consulting service that helps academic, cultural, and publishing communities thrive in the digital environment.

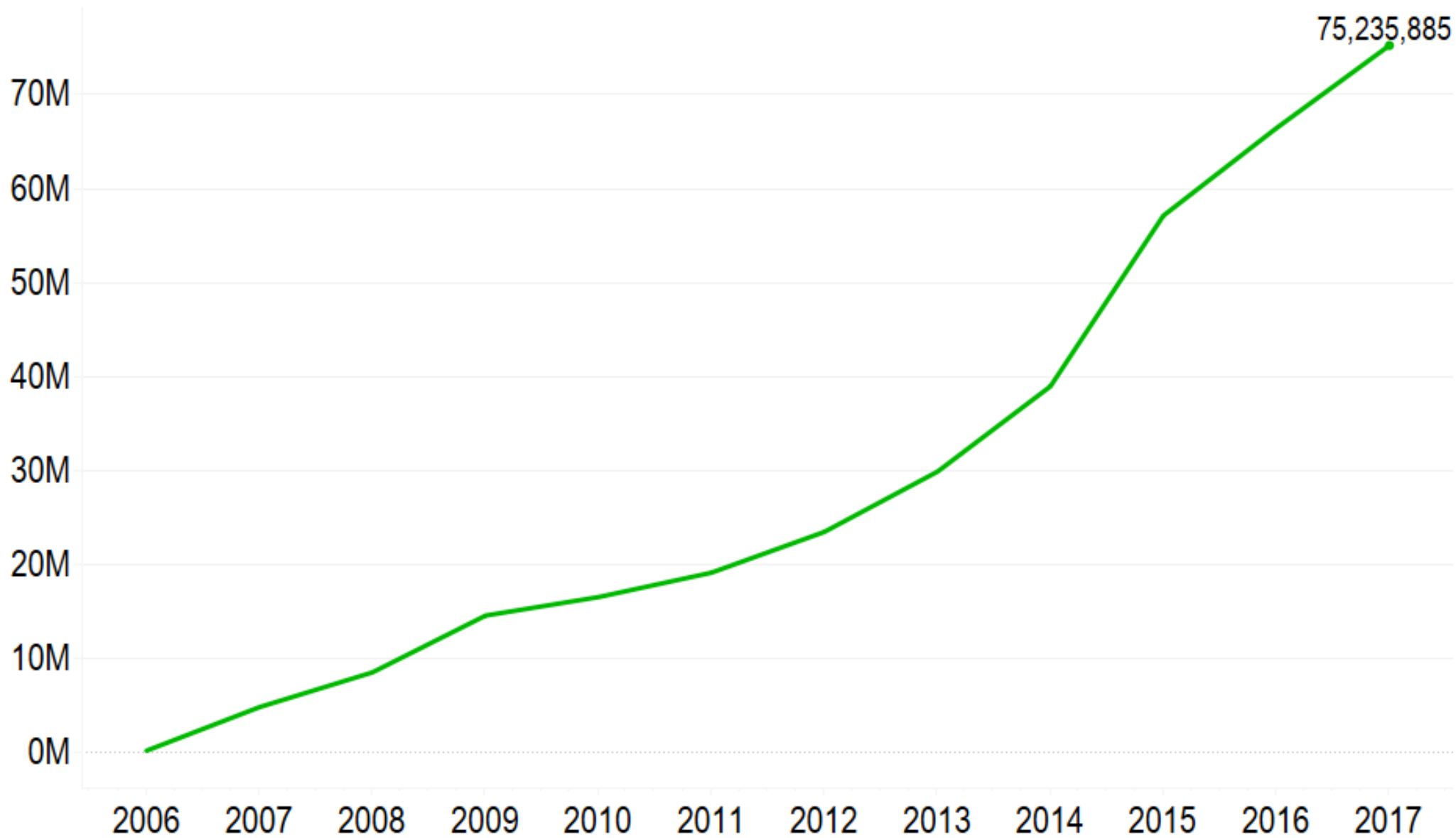


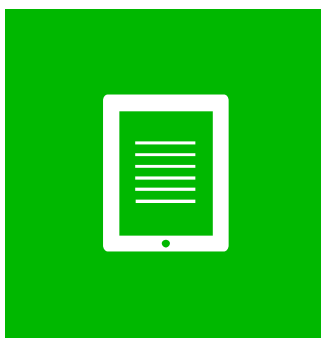
JSTOR is a not-for-profit digital library of academic journals, books, and primary sources.



PORTICO

Portico is a not-for-profit preservation service for digital publications, including electronic journals, books, and historical collections.





E-JOURNAL
PRESERVATION
SERVICE



E-BOOK
PRESERVATION
SERVICE

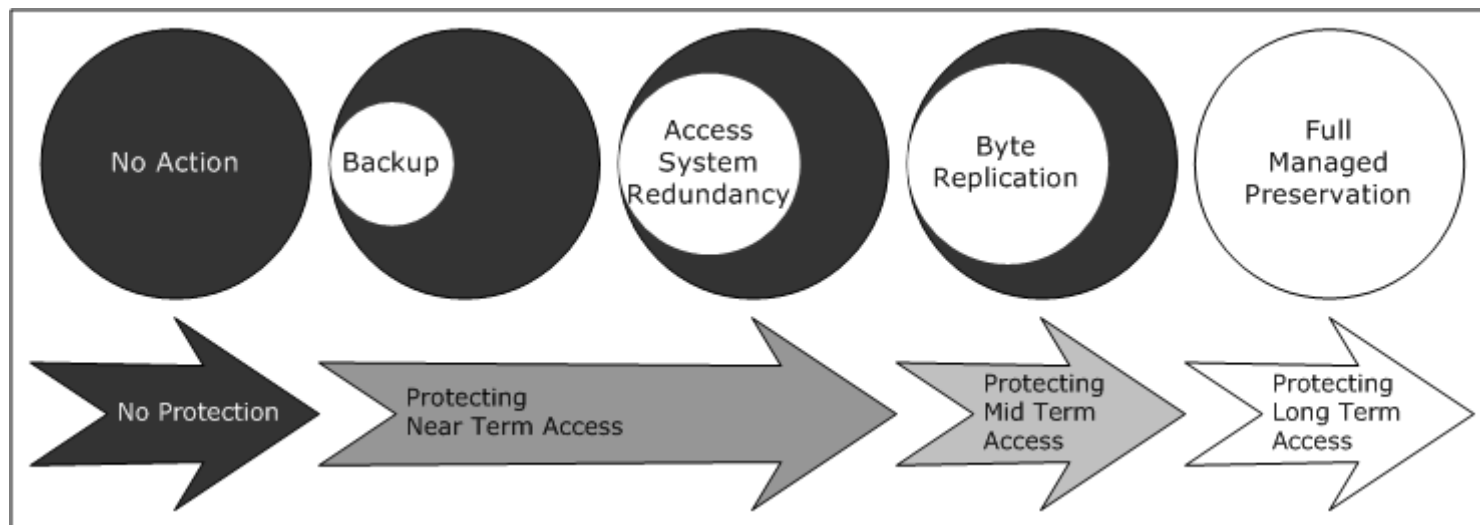


D-COLLECTION
PRESERVATION
SERVICE

Publisher & Library fees

Publisher fees,
no Library fees

HOW DOES PORTICO PRESERVE?





GRANVILLE T. WOODS
(1856-1910)





101 P10000

PETITION.

To the Commissioner of Patents:

Your petitioner Granville J. Woods, a
 _____ citizen of the United States,
 residing at Cincinnati in the County of Hamilton
 and State of Ohio — prays that letters patent may be granted to
him for the improvement in
Induction Telegraph System
 set forth in the annexed specification.

And he hereby appoints LEWIS M. HOSEA, of Cincinnati,
 Ohio, his — attorney, with full power of substitution and revocation, to
 prosecute this application, to make amendments therein, to receive the patent, and to
 transact all business in the Patent Office connected therewith.

Granville J. Woods.

SPECIFICATION.

To all whom it may concern:

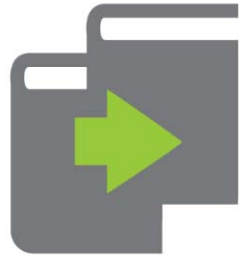
Be it known, that J. Granville J. Woods, —
 _____ citizen of the United
 States, residing at Cincinnati, Ohio —

 has invented new and useful improvements in Induction Telegraph

Digital Preservation is the series of policies and activities necessary to ensure the **usability**, **authenticity**, **discoverability**, and **accessibility** of content over the very long-term.



USABILITY



AUTHENTICITY



DISCOVERABILITY



ACCESSIBILITY



... rendered & delivered ...





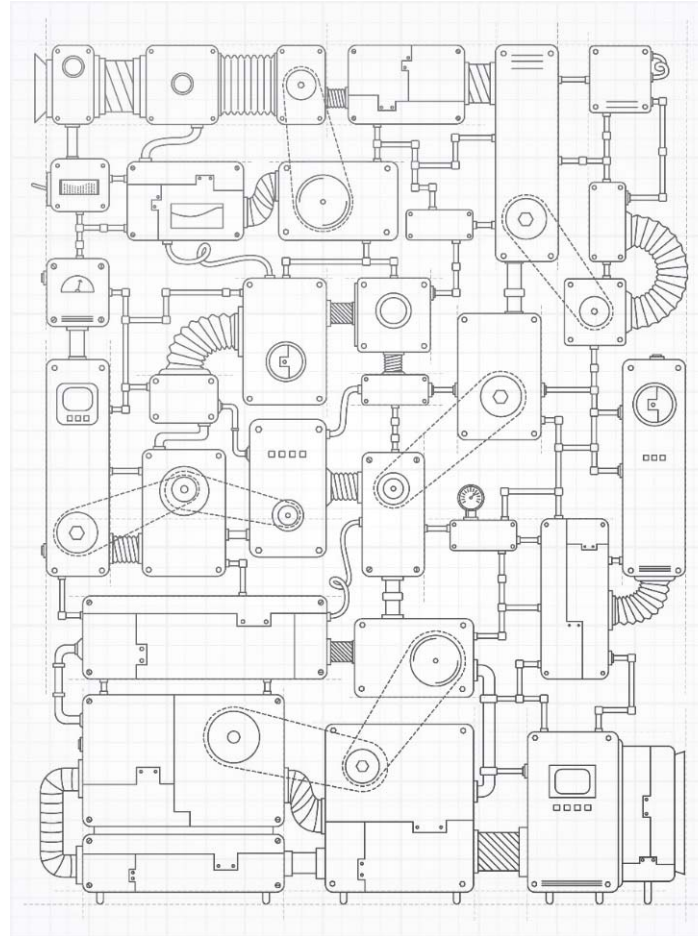
... rendered & delivered ...



Files Arrive



Files Are Processed



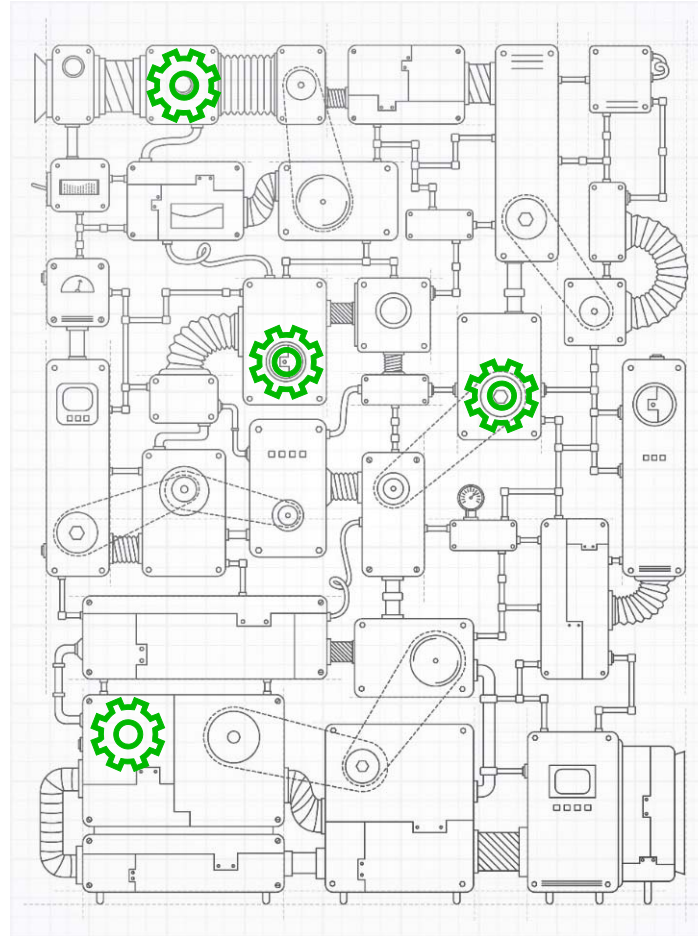
Content Preserved



Files Arrive



Files Are Processed



Content Preserved



E-Journal and E-Book

D(igitized Historic)

Processing

Collections Processing

- Transform publisher XML to Portico XML
- Repackage content into archival model
- Extract descriptive metadata
- Identify file formats
- Validate files



E-Journal and E-Book

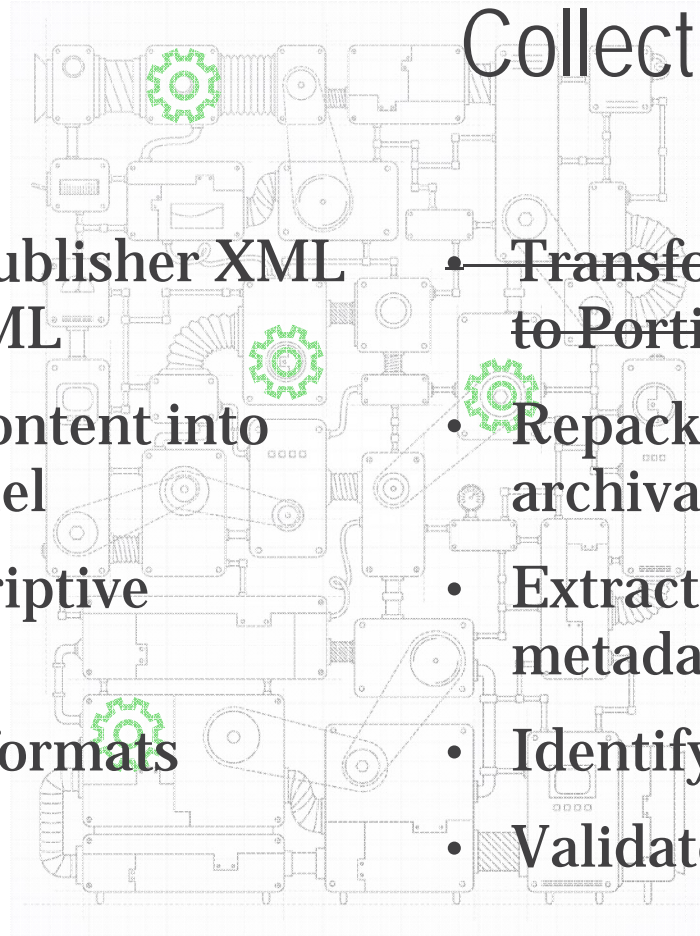
Processing

- Transform publisher XML to Portico XML
- Repackage content into archival model
- Extract descriptive metadata
- Identify file formats
- Validate files

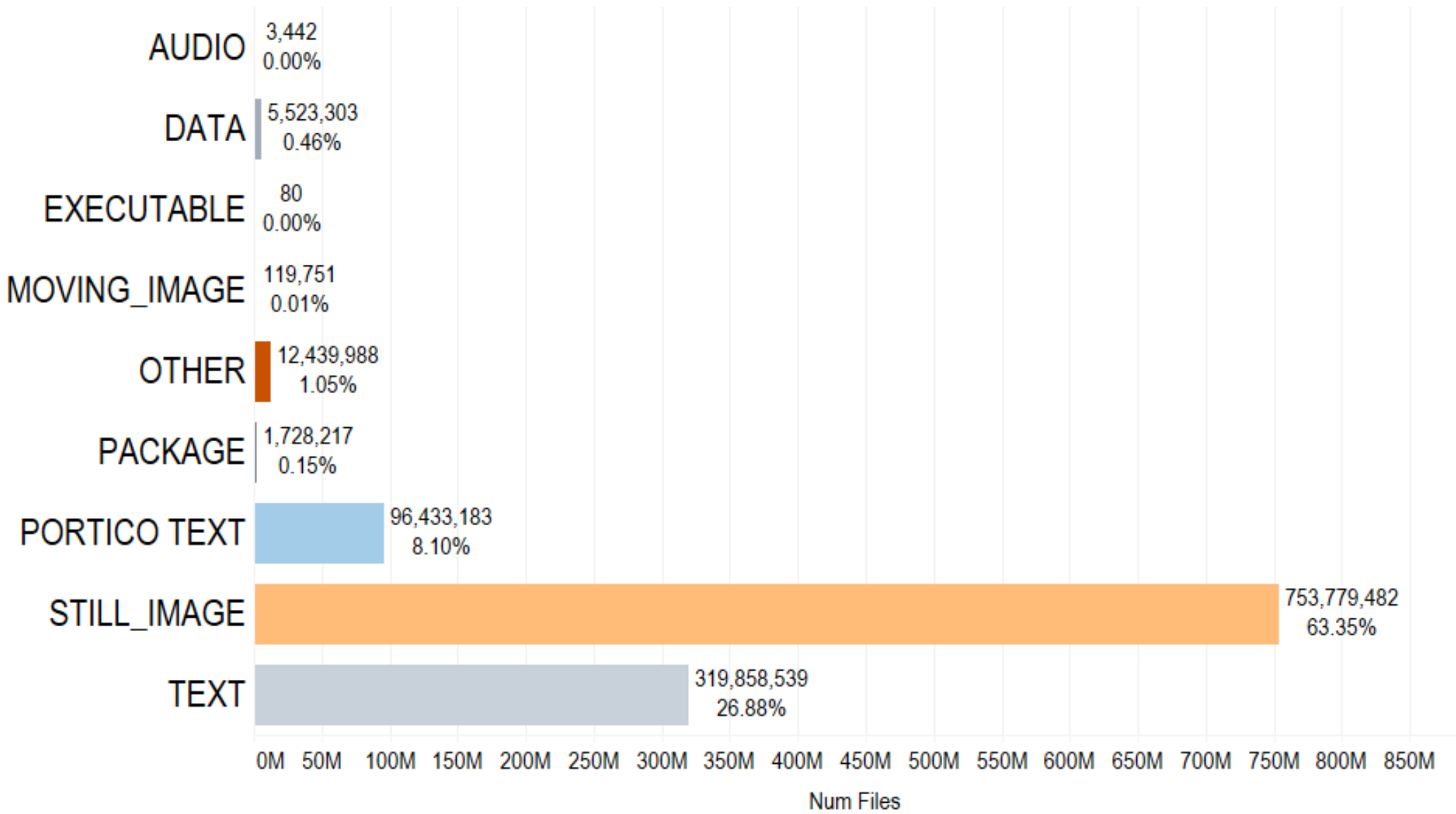
D(igitized Historic)

Collections Processing

- ~~Transform publisher XML to Portico XML~~
- Repackage content into archival model
- Extract descriptive metadata
- Identify file formats
- Validate files



1. Applied Earth Science - Taylor & Francis Group
2. Australian Journal of Earth Sciences - Taylor & Francis Group
3. Canadian Journal of Earth Sciences - Canadian Science Publishing
4. Doklady Earth Sciences - Springer
5. Earth Science Frontiers - Elsevier
6. Earth Science Informatics - Springer
7. Environmental and Earth Science Research Journal - International Information and Engineering Technology Association
8. Environmental Earth Sciences - Springer
9. Fieldiana Life and Earth Sciences - BioOne
10. Frontiers of Earth Science - Springer
11. Frontiers of Earth Science in China - Springer
12. International Journal of Earth Sciences - Springer
13. Irish Journal of Earth Sciences - Royal Irish Academy
14. Journal of African Earth Sciences - Elsevier
15. Journal of African Earth Sciences (and the Middle East) - Elsevier
16. Journal of African Earth Sciences (1983) - Elsevier
17. Journal of Asian Earth Sciences - Elsevier
18. Journal of Earth Science - Springer
19. Journal of South American Earth Sciences - Elsevier
20. Journal of Southeast Asian Earth Sciences - Elsevier
21. Research Journal of Environmental and Earth Sciences - Maxwell Scientific Publication Corp.
22. SCIENCE CHINA Earth Sciences - Springer
23. Solid Earth Sciences - Elsevier
24. Transactions of the Royal Society of Edinburgh: Earth Sciences - Cambridge University Press
25. Turkish Journal of Earth Sciences - The Scientific and Technological Research Council of Turkey



alto/x-xml	17,571,996
application/epub+zip	
application/fits	24
application/maple	7
application/mathematica	430
application/msword	610,307
application/octet-stream	12,224,859
application/pdf	91,508,979
application/postscript	192,922
application/ptc-unknown	215,129
application/ptc-x-pdb	4,445
application/rtf	6,061
application/sbml+xml	3
application/sgml	10,505,329
application/vnd.corel-draw	13
application/vnd.corel-pre..	1
application/vnd.ms-excel	160,273
application/vnd.ms-htmlh..	6
application/vnd.ms-powe..	170,547
application/vnd.openxmlf..	27,150
application/vnd.openxmlf..	129,555
application/vnd.openxmlf..	504,420
application/vnd.rn-realme..	188
application/vnd.wordperf..	61
application/x-bzip	3
application/x-director	12
application/x-gzip	203,985
application/x-javascript	65
application/x-latex	1,059
application/x-mathcad	1
application/x-perl	165
application/x-ptc-apple-w..	71
application/x-ptc-apple-w..	4

application/x-ptc-apple-w..	559
application/x-ptc-els-data..	10,382,287
application/x-ptc-els-data..	10,382,287
application/x-ptc-eps	3,803,127
application/x-ptc-exe	3
application/x-ptc-gams	1
application/x-ptc-matlab-..	1,398
application/x-ptc-msoffice	4,298
application/x-ptc-netlogo	1
application/x-ptc-nexus	566
application/x-ptc-paintsh..	1
application/x-ptc-r	1,435
application/x-ptc-stata-da..	3
application/x-ptc-stata-pr..	12
application/x-ptc-tsp	1
application/x-ptc-unknow..	203
application/x-ptc-utf8	592,883
application/x-ptc-utf16	10
application/x-quark-expre..	118
application/x-rar-compres..	1,237
application/x-sh	14
application/x-shockwave-..	1,550
application/x-stuffit	2,086
application/x-tar	302
application/xml	271,252,102
application/zip	1,483,383
audio/mpeg	1,127
audio/x-aiff	4
audio/x-ms-wma	1
audio/x-wav	2,314
chemical/x-cdx	486

chemical/x-cif	94,568
chemical/x-cml	231
chemical/x-jmol-voxel	324
chemical/x-mdl-molfile	2,066
chemical/x-xyz	1,729
image/gif	457,535,856
image/jpeg	176,304,559
image/png	15,716,327
image/tiff	104,202,332
image/vnd.adobe.photos..	4,436
image/x-ms-bmp	11
image/x-ms-bmp-v3	5,815
image/x-wmf	10,132
message/rfc822	22
model/vrml	63
text/css	479
text/csv	15,527
text/html	3,036,539
text/plain	847,714
text/x-asm	272
text/x-c++src	10
text/x-csrc	63
text/x-ptc-iso-8859	479
video/avi	82,005
video/mp4	2,775
video/mpeg	8,597
video/quicktime	14,853
video/x-flv	1
video/x-ms-wmv	9,770



PORTICO

Dashboard

= Perpetual Access

= Not ingested

DOWNLOAD HOLDINGS

COMPARE HOLDINGS

Search Publication Titles & I

- ☐ Journal Titles
- ☐ Book Titles
- ☒ E-Reference Titles
- ☐ All Metadata

Multi-line
Search

SEARCH

ELECTRONIC
JOURNALS

ELECTRONIC
BOOKS

DIGITIZED
COLLECTIONS

E-REFERENCE

PUBLISHERS

REPORTS

MORE ▼

All

0-9

A

B

C

D

E

F

G

H

I

J

K

L

M

N

O

P

Q

R

S

T

U

V

W

Title

Publisher



Benezit Dictionary of Artists

Oxford University Press



Oxford Reference Library

Oxford University Press

The New Partridge Dictionary of Slang and
Unconventional English

Taylor & Francis Group

The Routledge Dictionary of Modern American Slang
and Unconventional English

Taylor & Francis Group

Vietnam War Slang

Taylor & Francis Group

Portico is a digital preservation service working with libraries and publishers to ensure that e-journals, e-books, and other electronic content are available for researchers in the future.



PORTICO

82 million ARCHIVAL UNITS
PRESERVED

14% growth IN OVERALL CONTENT
IN THE ARCHIVE IN 2017

CONTENT COMMITTED TO THE
ARCHIVE

TOTAL NUMBER OF E-BOOKS
AND JOURNALS COMMITTED



807,000+
E-BOOKS



27,000+
E-JOURNALS



4%

INCREASE IN
E-JOURNALS
PRESERVED



6%

INCREASE IN
E-BOOKS
PRESERVED



1%

INCREASE IN
D-COLLECTION
ITEMS PRESERVED

33

NEW
PUBLISHERS
JOINED YTD

462

TOTAL
PARTICIPATING
PUBLISHERS



PORTICO

Amy Kirchhoff
Archive Service Product Manager
amy.kirchhoff@ithaka.org