Open Source Alternatives to Digital Commons

David Brian Holt, UC Davis
Brian Huffman, University of Hawaii
Erik Beck, Sacramento State University
Leah Prescott, Georgetown University
Kathy McCarthy, TIND.io

http://bit.ly/daviscow



Why is this via WebEx?



California Travel Ban

Erik and David are both employed by the State of California. South Carolina is on the travel ban list due to its active enabling of discrimination against its LGBT residents.





Campaign for Southern Equality

Consider offsetting your travel to South Carolina by making a contribution to the Campaign for Southern Equality

https://southernequality.org



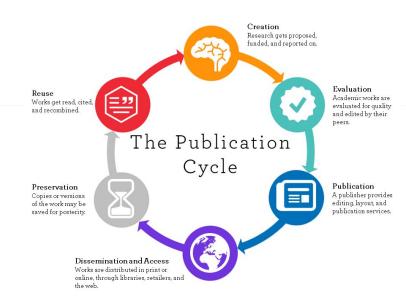


"Life Cycle" of Legal Scholarly Publishing



Research to Publication

- Conduct research and create working draft
 - a. Upload to SSRN (or LawArXiv!!)
- 2. Submit to journals
 - a. Via Expresso or Scholastica
- 3. Publication
- 4. Deposit in IR



Credit to University of Wyoming



Current Landscape



Digital Commons Market Share

Of the 206 ABA-accredited law schools, 82 of them are currently using Digital Commons as their institutional repository





Why Digital Commons?

- 1. Hosted solution
- 2. Provides platform for journal publishing and symposia
- 3. Sophisticated search engine optimization





Why not Digital Commons?

- 1. Now owned by Elsevier!!
 - a. History of opposing open-access scholarship
- 2. One vendor controls entire "eco-system" of legal scholarly publishing:
 - a. Expresso
 - b. SSRN
 - c. Digital Commons





Alternatives



Major Open-Source IR Projects

- 1. Dspace
- 2. Tind (Invenio)
- 3. Samvera
 - a. Islandora
 - b. Hyku
- 4. EPrints
- 5. Omeka? (not really)









What's missing?

- 1. Journal hosting
 - a. Open Journal Systems (OJS) may be viable alternative
- 2. Symposia hosting
 - a. Ubiquity Press working on a Hyku-based IR for symposia along with OJS-based journal hosting platform





Tech Specs

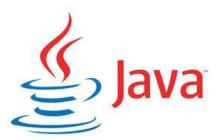


How it's made

- 1. Ruby on Rails
 - a. Samvera options (Hyku, etc.)
 - b. Not used widely in academia
- 2. Python
 - a. Invenio (Tind written in Python with Flask frontend)
 - b. Heavily used in academia
- 3. Java
 - a. Dspace (front-end has been rewritten in Angular)









Pros/Cons

- Easier to find technical support for Python vs. Rails
- Python is gaining market share
- Tind is a small Norwegian company (but using software from CERN)
- Dspace no longer seen as cutting edge (but new version coming!)





Cost Considerations

- Digital Commons runs about \$25K a year
- Tind has fairly similar pricing
- Self-hosting an IR can reduce costs
- Consider labor costs!





Examples



Examples

- Dspace (Texas Digital Library) https://tdl-ir.tdl.org/
- Islandora (Florida State University) -<u>https://diginole.lib.fsu.edu/repository</u>
- 3. Tind/Invenio (Cal Tech Data) https://data.caltech.edu/
- 4. Samvera/Hydra (Oregon Digital) https://oregondigital.org/catalog/
- 5. Samvera/Hydra (California State University) http://demo.digital.calstate.edu/
- 6. Open Journal Systems (OJS) http://www.glossa-journal.org/
- 7. LawArXiv (pre-press system) http://lawarxiv.info/



DSpace: Overview & UH Experience

Brian R. Huffman,

Electronic Services Librarian, University of Hawai'i Law School







In a Nutshell

- DSpace = DuraSpace
- DSPACE Developed by MIT Libraries and Hewlett-Packard (HP) Labs
 - Released in 2002
 - Over 1000 institutions using
 - Can customize user interface
 - Written in Java, tested under Linux, Windows, and Mac OSX





Features that make DSpace an ideal IR:

- Dublin Core metadata support
- Customizable workflows, submission forms that can be defined on a per collection basis
- OAI-PMH (Open Archives Initiative Protocol for Metadata Harvesting)
- Embargo, licensing and other access control features
- Very good Google Scholar indexing results
- OpenAIRE compliant





Our DSpace Experience

- Run DSpace 5; version 7 is soon to be released
- Costs to UH: server (\$1K/yr); salary: 2 full-time equivalents (one IT, one librarian); add any digitization costs, data entry, etc. depending on projects. FTE does more than just DSpace support.



UH Open Access Policy

- UH Mānoa is listed on ROARMAP: Registry of Open Access Repositories Mandatory Archiving Policies. UHM is one of over 700 research institutes and universities with an Open Access Policy.
- Policy: http://go.hawaii.edu/fZX



How is this Accomplished?

Through the Academic Library: The University of Hawai'i at Mānoa Library, Desktop Network Services Unit, will maintain the institutional repository. Faculty librarians and staff facilitate the submission of the scholarly articles and are available for consultation about the procedures.





Meet Our Institutional Repositories: ScholarSpace and eVols

ScholarSpace = scholarly works

(articles typically presented in peer-reviewed scholarly journals and conference proceedings)

eVols = digital publications

(a home for material which the Library or the University digitizes as part of grant projects and digital library program initiatives) Examples: Merrie Monarch Festival programs, Hawai'i Medical Journal

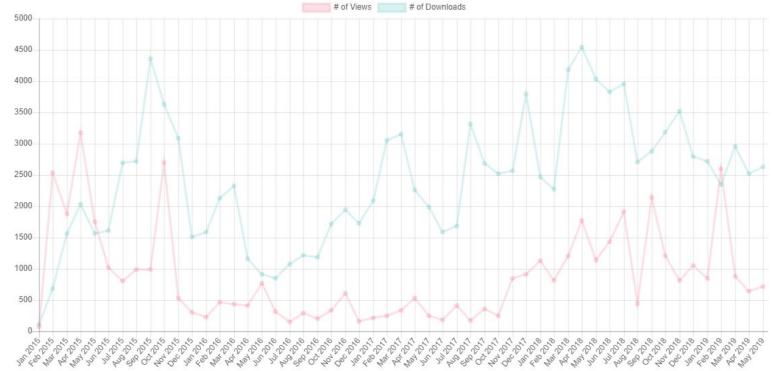




		ScholarSpace	eVols
	Begun	2006	2009
	Submissions	47,571 records	56,636 records (mostly newspapers)
	Number of communities, authors and subjects	620 communities/sub- communities; approx. 28,400 authors [not submitters]; approx. 38,000 subjects added	167 communities/sub- communities; approx. 5,700 authors [not submitters]; approx. 13,000 subjects added
	Number of collections or sub- communities	3040 collections	638 collections
	Largest Contributor	Linguistics	Hawaiian and Pacific Collection
	UNIVERSITY of HAWAI'I at MÂNOA WILLIAM S. RICHARDSON SCHOOL OF LAW	Source: Daniel Ishimitsu, Hami Hawaiʻi at Mānoa, Oct. 11, 201	•

Usage, 2015-19

Downloads/Views by Month









Our IR - at a Glance

Use IR for faculty scholarship and faculty archives (Jon Van Dyke Collection)

- 28 Law Professors have their scholarship in the IR
- 401 scholarly works

Also use eVols: have Law School entering class photos (1973-2018) and Law School catalogs (1973-2019)





Our IR - at a Glance (2015-19)

Child Community/Collection	Total Downloads	<u>Total</u> <u>Views</u>	# of Items
Faculty and Researcher Scholarship	116574	34094	402
Jon Van Dyke Collection	10622	12203	1495
Law School Catalogs, 1973-2019	919	1343	42
School of Law Photo Guides, 1973-2018	1303	2240	45







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Related Sites -

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Home > William S. Richardson School of Law

William S. Richardson School of Law



The William S. Richardson School of Law is a collaborative, multicultural community preparing students for excellence in the practice of law and related careers that advance justice and the rule of law. We develop highly qualified, ethical professionals through excellence in teaching, scholarship, and public service. We embrace Hawai'i's diversity and values and recognize a special responsibility to our state and the Pacific region. We lead in environmental law, Native Hawaiian law, and Pacific-Asian legal studies.

William S. Richardson School of Law University of Hawai'i at Manoa 2515 Dole Street

Honolulu, HI, 96822-2350 (808) 956-7966

Sub-communities and Collections within this community

Collections	
Untitled	0
Sub-communities	
Asian-Pacific Law & Policy Journal	0
Faculty and Researcher Scholarship	401
Akutagawa, Malia	0
Andrade, Troy J. H.	2
Baik, Tae-Ung	0
Barkai, John L.	0
····	
Jon Van Dyke Collection	1495
Series 1: Who Owns the Crown Lands?	557

Search

Search Community

Q

Recent Submissions

Supreme Court's Decision in Cheek: Does It Encourage Willful Tax Evasion, The

State Taxation of Nonresidents' Deferred Income: The Eroding Future of Source Taxation

Relinquish Control - Why the IRS Should Change Its Stance on Exempt Organizations in Ancillary Joint Ventures

Losing Our Religion: Reevaluating the Section 501(c)(3) Exemption of Religious Organization That Discriminate

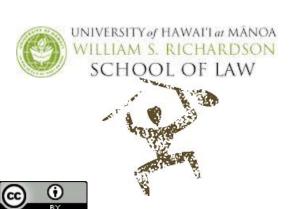
Is It Charitable to Discriminate: The Necessary Transformation of Section 501(c)(3) into the Gold Standard for Charities

Globalism, Public Policy, and Tax-Exempt Status: Are U.S. Charities Adrift at Sea

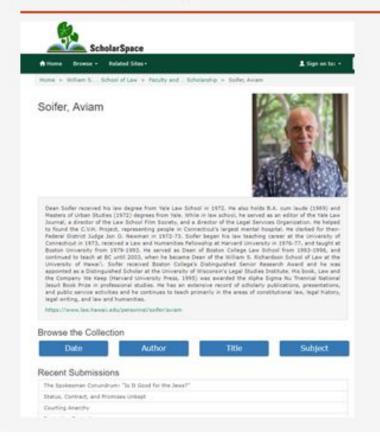
Equality or Dysfunction - State Tax Law in a Post-Windsor World

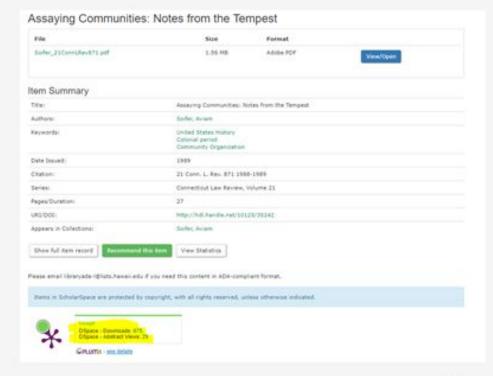
Bankruptcy and Class Actions: The Continuing Conflict over Class Proofs of Claim

50 Years of Loving: A Reflection on Seeking Justice through Love and Relationships



ScholarSpace (UH Institutional Repository)











Home > William S. Richardson School of Law Archives

William S. Richardson School of Law Archives

Collections within this community



Browse the Community

Date	Author	Title	Subject
------	--------	-------	---------

Discover

Author	
University of Hawa of Law	School 45

Subject	Date issued	
David L. Callies 38	2010 - 2017	3
Law School 36	2000 - 2009	10
Law schoolsHawaii	1990 - 1999	8
Ronald C. Brown	1980 - 1989	14
Universities and colleges 36	1973 - 1979	•

Search

Sign on to:

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Recent Submissions 2017-2018 Entering Class and

Q

Transfers			
2016-2017	Entering	Class	and
Transfers			

2008-2009	Entering	Class	and
Transfers			

2004-2005	Entering	Class	and
Transfers			

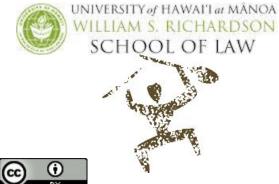
2001-2002	Entering	Class	and
Transfers			

2015-2016	Entering	Class	and	
Transfers				

2014-2015	Entering	Class	and	
Transfers				

2013-2014	Entering	Class	and
Transfers			





Islandora Scholar

Erik Beck,

Head of Library Information Systems
California State University, Sacramento



Fedora-based Repositories

Islandora, Samvera, etc.



https://commons.wikimedia.org/wiki/File:Bank counter at Blists Hill Victorian town.jpg

Fedora



https://commons.wikimedia.org/wiki/File:WinonaSavingsBankVault.JPG

Fedora-based Repositories

Islandora, Samvera, etc.

- User Interface
- Search Engine and Index
- Content Viewers
- Metadata manipulation
- Ingest process
- Access control
- etc.

Interaction between systems via RESTful APIs

Fedora

- File Storage
- Persistent key
- Links object with metadata record
- Administrative metadata

What is Islandora?

- Developed at University of Prince Edward Island's Robertson Library
- Fully open source
- Built to operate within a Drupal website and CMS
- Very modular, add new features through Drupal's module system.
- Fully configurable user interface that can be manipulated through Drupal's theme system.
- Uses Solr search engine for object retrieval and metadata indexing
- Offers a variety of ingest workflows and description forms for different kinds of objects
- Offers a variety of different viewing tools for different object types like pdfs and book objects

Content Models

Islandora is configured to respond differently to different types of content.



https://gph.is/1NY66GG

Common Content Models:

- PDF
- Image
- Audio
- Video
- Book
- Newspaper
- Citation
- Thesis

Islandora Scholar

Suite of modules that interact with the Citation and Thesis content models to produce features that are normally associated with an Institutional Repository...

- Display dynamically-formatted citations in a variety of styles (APA, MLA, Chicago, etc.) from data derived from the object's MODS record
- Integration with several persistent ID standards (DOI, PMIDs, Endnote, etc.) and ability to pre-populate records with metadata commonly associated with the object through its PID.
- Embargo functionality
- Integration with Sherpa/RoMEO to display access policies
- Displayable usage statistics
- Translate an object's metadata to Google Scholar-compatible microdata which are exposed in the meta tags of each record page so that repository objects can be crawled

Sustainability

Islandora Scholar continues to be actively maintained by the Islandora developer community. Last commit on the project was April 8th, 2019.

There are several large universities using Islandora Scholar for their IR, including **Boston College** and **Florida State University**.

Currently, Islandora Scholar is only available for **Drupal 7**.

The Islandora Developer Community just unveiled **Islandora 8** this past week! This is the new version of Islandora that can run on Drupal 8.

No word yet on when other Islandora modules will be ported over to version 8 or if Islandora Scholar will be included.

Costs

- <u>Servers</u> Recommended minimum specs: 4-6 cores, 16GB 32GB RAM, large volume of storage for repository data (2 TB at CU Law)
- Systems Administration Installing Islandora requires intermediate-level unix skills and a firm understanding of Ubuntu system architecture.
- Web Development You'll need a Drupal developer. Preferably a good one.
- <u>Content Management</u> The ingest workflow can be really involved. You'll devote a lot of time to metadata creation and asset management.
- QA Testing Because something always goes wrong, and you'll have no one to blame but yourself.

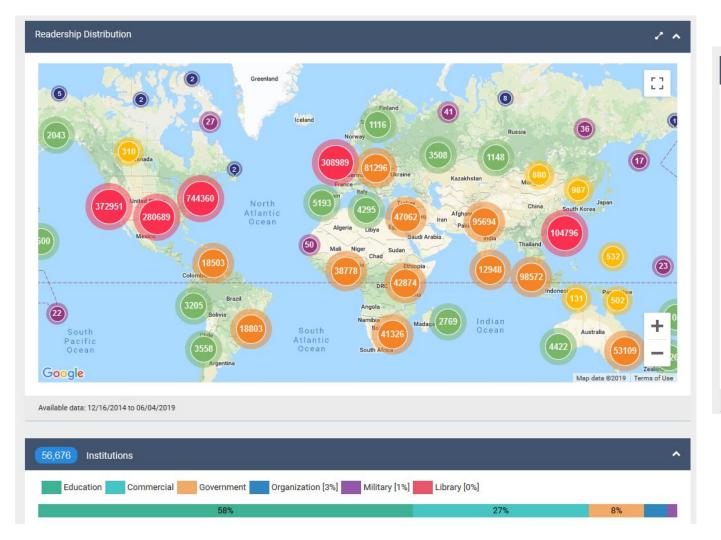
Digital Commons is our institutional repository



GEORGETOWN LAW FACULTY PUBLICATIONS AND OTHER
WORKS

Submissions from 2019 Janet Halley and the Art of Status Quo Maintenance, Lama Abu-Odeh A PDF Post Secularism and the Woman Ouestion, Lama Abu-Odeh Five Principles for Vertical Merger Enforcement Policy, Jonathan B. Baker, Nancy L. Rose, Steven C. Salop, and Fiona Scott Morton The Declaration of Independence and the American Theory of Government: "First Come Rights, and Then Comes Government", Randy E. Barnett The Privileges or Immunities Clause Abridged: A Critique of Kurt Lash on the Fourteenth Amendment, Randy E. Barnett and Evan Bernick Agency Statutory Abnegation in the Deregulatory Playbook, William W. Buzbee Platforms and the Fall of the Fourth Estate: Looking Beyond the First Amendment to Protect Watchdog Journalism, Erin C. Carroll On the Values of Words, Michael J. Cedrone Tort Liability and Unawareness, Surajeet Chakravarty, David Kelsey, and Joshua C. Teitelbaum Affordable Housing: Of Inefficiency, Market Distortion, and Government Failure, Michael R. Diamond Customs, Immigration, and Rights: Constitutional Limits on Electronic Border Searches, Laura K. Donohue Discounting Women: Doubting Domestic Violence Survivors' Gredibility and Dismissing Their Experiences, Deborah Epstein and Lisa A. Goodman Mr. Try-It Goes to Washington: Law and Policy at the Agricultural Adjustment Administration, Daniel R. Ernst The Shallow State: The Federal Communications Commission and the New Deal, Daniel R. Ernst A PDF Why the Latest Ruling in the Sandy Hook Shooting Litigation Matters, Heidi Li Feldman All Balls and No Strikes: The Roberts Court's Anti-Worker Activism, J. Maria Glover Texas v United States: The Affordable Care Act Is Constitutional and Will Remain So, Lawrence O. ♪ PDF

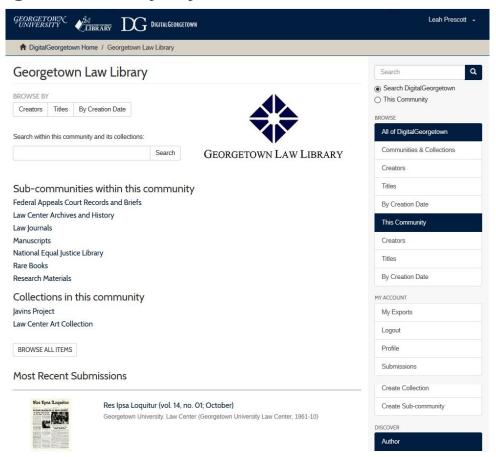








DSpace is our digital library system









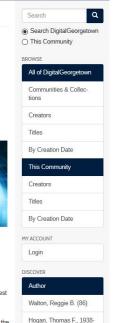
The collection includes foreign intelligence-related statutory and regulatory instruments; the legislative histories for statutory changes to the Foreign Intelligence Surveillance Act (FISA); publicly available and

declassified opinions and orders issued by the Foreign Intelligence Surveillance Court (FISC) and Foreign Intelligence Surveillance Court of Review (FISCR); FISA-related cases in non-specialized Article III courts; statutorily-required reports on the operation of FISA and formal correspondence between FISC and Congress; FISC/FISCR Rules of Procedure; and an annotated bibliography of secondary sources related to FISA, FISC/FISCR, and foreign intelligence law.

This website is meant as a resource for the judiciary, clerks, members of Congress and their staff, lawyers, scholars, journalists, students, companies, members of the public, and anyone with an interest in or need to understand the legal framework for U.S. foreign intelligence collection.

Because many of the dates and filing references in the FISC/FISCR opinions and orders remain redacted, we have assigned each document a Georgetown identification (GID) number, preceded by the Court issuing the opinion or order in the following format: GID.C.0000# for FISC and GID.CA.0000# for FISCR. Each time an opinion or order is released with different material redacted, it is issued a unique identifier. Individual records contain the recommended bibliographic reference for Bluebook and Maroonbook purposes.

We will continue to update this site as new primary and secondary materials become available. If there are any additional materials that you think should be included, places contact Drefessor Denobus at



Bates, John D. (26)

ers. 1945- (24)

Collver, Rosemary May-

Foreign Intelligence Law Collection Overview

How to Search the Foreign Intelligence Law Collection

Collections in this community

- I. Statutory and Regulatory Authorities
- II. Legislative Histories
- III. FISC/FISCR Opinions
- IV. FISC/FISCR Orders
- V. Non-Specialized Article III Decisions
- VI. Official Reports and Judicial Correspondence
- VII. Annotated Bibliography of Select Secondary Materials

BROWSE ALL ITEMS



Author Bates,

Bates, John D. (10)

Walton, Reggie B. (10)
Hogan, Thomas F., 1938- (8)

McLaughlin, Mary A. (8)

Collyer, Rosemary Mayers, 1945-(6)

... View More

Identifier

GID.C.00001 (1)

GID.C.00002 (1)

GID.C.00004 (1)

GID.C.00012 (1) GID.C.00018 (1)

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Docket

02-001 (1)

02-002 (1)

02-249 (1)

105B(g) 07-01 (2)

... View More

Date created

2010 - 2018 (41)

2000 - 2009 (20)

1981 - 1989 (1)

Declassification date

2010 - 2018 (68)

2000 - 2009 (5)

1981 - 1989 (1)

Most Recent Submissions



Opinion, In re Certification of Questions of Law to the Foreign Intelligence Surveillance Court of Review

Bryson, William C., 1945- (United States Foreign Intelligence Surveillance Court of Review, 2018-03-16)

♠ DigitalGeorgetown Home / Georgetown Law Library / Research Materials / Foreign Intelligence Law Collection / III. FISC/FISCR Opinions Opinion, In re Certification of Questions of Law to the Foreign Intelligence Surveillance Court of Review Search Digital ⑤ Search Digital This Collection

Holdings, Findings, and Matters of Law

Finding that Movants have adequately established Article III standing to assert their claim of a qualified First Amendment right of public access to FISC judicial opinion, Patricularly, Movants have demonstrated that the denial of access to the redacted materials constituted an injury in fact.

Bibliographic Citation:

Opinion, In re Certification of Questions of Law to the Foreign Intelligence Surveillance Court of Review, No. 18-GID.CA.00006 (FISA Ct. Rev. Mar. 16, 2018) (Bryson, J.)

Permanent Link:

http://hdl.handle.net/10822/1052700 Source link: https://perma.cc/N8XR-RMT3

Date: 2018-03-16

> Type: Record (document)

United States Foreign Intelligence Surveillance Court of Review

Declassification Date:

2018

Identifier: GID.CA.00006

Collections: III. FISC/FISCR Opinions

Holdings, Findings, and Matters of Law

Finding that Movants have adequately established Article III standing to assert their claim of a qualified First Amendment right of public access to FISC judicial opinion; Particularly, Movants have demonstrated that the denial of access to the redacted materials constituted an injury in fact.



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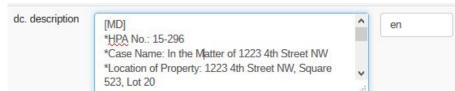
This Collection

Creators

Creators

Titles





*HPA No.: 15-296

*Case Name: In the Matter of 1223 4th Street NW

- *Location of Property: 1223 4th Street NW. Square 523. Lot 20
- *Date of Order: June 24, 2016
- *Disposition: Denied
- *Subject Matter(s): Windows; Alteration (Including Addition); Compatibility; Mayor's Agent-Procedural

Summary:

The homeowner added a third window on the second floor of a rowhouse in the Mount Vernon Square Historic District. While the house was built in 2007 and was noncontributing to the historic district, the Historic Preservation Review Board (HPRB) in 2006 had approved the design of the current rowhouse as a condition of its permission to demolish the rowhouse that had previously stood on the site and that had lost integrity through neglect. The approved design of the new rowhouse had two windows on the second floor, which the HPRB had deemed to be consistent with the facades of four historic neighboring rowhouses.

After adding a third window, the owner sought an after-the-fact building permit for the alteration. Following a hearing, the Mayor's Agent rejected the application.

As in previous cases, the Mayor's Agent stated that ignorance of the historic preservation law is no excuse. See, e.g., In Re: 2422 Tracy Place, NW, HPA No. 2013-600 (Aug. 29, 2014). The Mayor's Agent reasoned that even noncontributing buildings in a historic district "should respect the rhythm of its neighbors as well as that of the street," and that the question of whether two or three second floor windows best reflected that "rhythm" had already been decided by the HPRB when it approved the design of the rowhouse in 2006. As in other cases, for questions of style and material compatibility, the Mayor's Agent deferred to the historical and architectural expertise of the HPRB. See In Re: 2225 California St. NW. HPA No. 2011-472 (Feb. 24, 2013).

HPA No. 2015-296 (In re. 1223 4th Street NW) Search Search DigitalGeorgetown HPA No.: 15-296 O This Collection . Case Name: In the Matter of 1223 4th Street NW . Location of Property: 1223 4th Street NW. Square 523, Lot 20 COLLECTION RESOURCES . Date of Order: June 24, 2016 Disposition: Denied Subject Matter Summaries Subject Matter(s): Windows: Alteration (Including Addition): Compatibility: Mayor's Agent-Procedural The homeowner added a third window on the second floor of a rowhouse in the Mount Vernon Square Historic District. While the All of DigitalGeorgetown house was built in 2007 and was noncontributing to the historic district, the Historic Preservation Review Board (HPRB) in 2006 had approved the design of the current rowhouse as a condition of its permission to demolish the rowhouse that had previously Communities & Collections stood on the site and that had lost integrity through neglect. The approved design of the new rowhouse had two windows on the second floor, which the HPRB had deemed to be consistent with the facades of four historic neighboring rowhouses. Creators After adding a third window, the owner sought an after-the-fact building permit for the alteration. Following a hearing, the Mayor's Agent rejected the application. Titles As in previous cases, the Mayor's Agent stated that ignorance of the historic preservation law is no excuse. See, e.g., In Re; By Creation Date 2422 Tracy Place, NW, HPA No. 2013-600 (Aug. 29, 2014). The Mayor's Agent reasoned that even noncontributing buildings in a historic district "should respect the rhythm of its neighbors as well as that of the street," and that the question of whether two or This Collection three second floor windows best reflected that "rhythm" had already been decided by the HPRB when it approved the design of the rowhouse in 2006. As in other cases, for questions of style and material compatibility, the Mayor's Agent deferred to the Creators historical and architectural expertise of the HPRB, See In Re: 2225 California St, NW, HPA No. 2011-472 (Feb. 24, 2013). Titles Files in this item By Creation Date Name: Final decision and order pdf View/Open **Bookview** MY ACCOUNT Size: 114kB Format: PDF My Exports Logout Profile Creator: Submissions Government of the District of Columbia. Office of Planning. Historic Preservation Office. Mayor's Agent for Historic Preservation CONTEXT Permanent Link Edit this item

http://hdl.handle.net/10822/1041796

Date:

2016-06-24

Historic District; Alteration (Including Addition); Windows; Compatibility; Mayor's Agent: D.C. Administrative Procedure Act;

Collections:

Mayor's Agent Decisions

Metadata:

Show full item record

Export Item

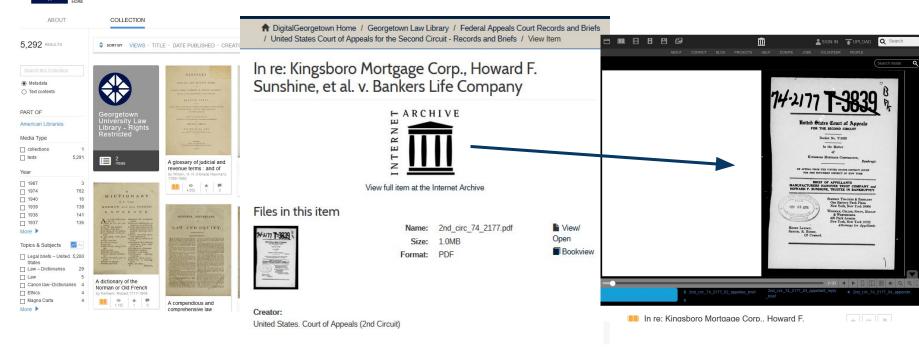
STATISTICS

Export Metadata

View Usage Statistics



Internet Archive



DSpace Record



"The Library has used DSpace as the repository platform to host and manage its digital and institutional repository collections since 2011. With some other repository platforms further developed and available over time, it is time for the Library to assess if DSpace remains the best repository option for Georgetown."

- Perform a needs assessment to develop functional requirements for digital and institutional repository collections;
- Build criteria and requirements to evaluate the different platform;
- Identify and evaluate the top three to five top commercial and/or open source digital repository systems;
- Report findings and recommendations.



- DSpace
- Islandora
- Fedora+Blacklight
- Samvera/Hyrax and Hyku



- Islandora
- Fedora+Blacklight
- Samvera/Hyrax and Hyku



- DSpace
- Islandora
- Fedora+Blacklight
- Samvera/Hyrax and Hyku



- → DSpace
- + Islandora
- Fedora+Blacklight
- Samvera/Hyrax and Hyku







TIND IR **Kathy McCarthy, VP Partnerships**



ABOUT TIND



CERN
OPEN SOURCE
FRAMEWORK





CERN SPIN-OFF COMPANY



PRODUCT OFFERING



TIND ILS

Integrated Library System for print and e-resource management.



TIND IR

Institutional Repository for All traditional research outputs.



TIND DA

Digital Archive for digitized content and special collections.



TIND RDM

Research Data Repository for capturing datasets and software.



SOFTWARE AS A SERVICE

Annual subscription.











STRONG FOCUS ON UNIVERSITIES























Olin College of Engineering









WHY TIND IR?

WHY TIND IR?

1. Unique hybrid of open source and commercial

- Less reliance on local staff resources
- No in-house developers needed

2. Ability to manage more than just publications

- IR + DA: Millersville University, UN Headquarters
- IR + RDM: University of Chicago
- IR + ILS: Olin College of Engineering

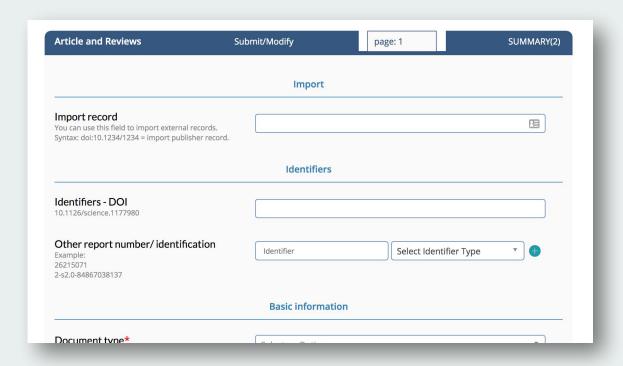
3. Opportunity to collaborate on development

Small customer base means YOUR needs are prioritized

TIND IR FEATURES

CUSTOMIZABLE SUBMISSION FORMS

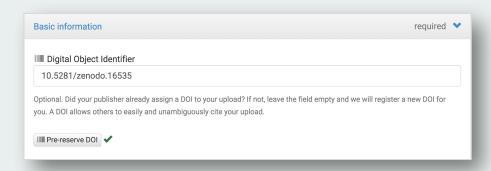
Based on OAIS reference model and PREMIS data dictionary.



DIGITAL OBJECT IDENTIFIERS

Assign DOIs to make publications easily and uniquely citable.





DIGITAL PRESERVATION

Long term preservation of your publications.







FIXITY CHECKS



OPEN AIRE COMPLIANT

DEMO