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## Collaborative repository transformation and the work of building a sustainable Islandora for All

Este Pope  
*Amherst College*

*Et al.*

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# Collaborative repository transformation and the work of building a sustainable ***Islandora for All***

Este Pope, Amherst College  
Sarah Lippincott, Born-Digital

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# Outline

- LASIR: Enhancing Open Source Options for IRs
- ISLE: **IS**landora **E**nterprise
- Islandora For All: ISLE + LASIR + Community



# LASIR: Enhancing Open Source Options for IRs

Northeast Institutional Repository Day

Sarah Lippincott // Born-Digital



# Islandora Collaboration Group Member Institutions



Colgate  
UNIVERSITY

BARNARD

VASSAR

Hamilton

Williams

 SMITH COLLEGE

MOUNT HOLYOKE

 Hampshire College

FRANKLIN & MARSHALL

 GRINNELL COLLEGE

WESLEYAN  
UNIVERSITY

Amherst  
College

 Rensselaer

 WHITMAN  
COLLEGE

 TriCollege  
Libraries



## Islandora 7



## Islandora Scholar

an existing suite of modules designed to help Islandora 7 function as an Institutional Repository

## LASIR

a Mellon-funded initiative to make strategic enhancements to Islandora Scholar and its submodules, with the end goal of creating a turnkey Islandora-based IR platform

# Enhancement 1 --> Search Engine Optimization

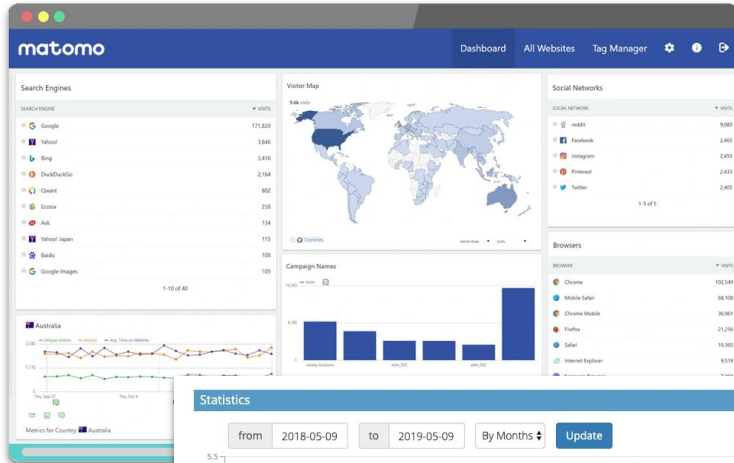
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<meta name="citation_title" content="Scalable Data-driven Modeling and Analytics for Smart Buildings" />
<meta name="citation_publication_date" content="2019" />
<meta name="citation_author" content="Iyengar, Srinivasan" />
```

## Added/updated objects in the past 2 weeks

View object	View abstract
<a href="#">Scalable Data-driven Modeling and Analytics for Smart Buildings</a>	<a href="#">abstract</a>
<a href="#">Making Student Research Data Discoverable: A Pilot Program Using Dataverse</a>	<a href="#">abstract</a>
<a href="#">Easthampton Town Hall (Large Image)</a>	<a href="#">abstract</a>
<a href="#">Amherst College, Lawrence Observatory (Large Image)</a>	<a href="#">abstract</a>
<a href="#">Nehemiah Strong House (Large Image)</a>	<a href="#">abstract</a>
<a href="#">Nonantum Hill Nursery materials (PDF)</a>	<a href="#">abstract</a>
<a href="#">Catalogue of the plants found in New Bedford and its vicinity; arranged according to the season of their flowering. (PDF)</a>	<a href="#">abstract</a>
<a href="#">Catalogue of fruit and ornamental trees, shrubbery, and plants, for sale at the nurseries at Linnaean Hill, Rock Creek, near Washington, D.C. (PDF)</a>	<a href="#">abstract</a>

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    },
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      "propertyID": "Eprint_ID",
      "value": "9725"
    }
  ],
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  "additionalType": "Dissertation",
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  "author": {
    "name": "Renee Catherine McVay",
    "givenName": "Renee Catherine",
    "familyName": "McVay",
    "affiliation": {
      "@type": "Organization",
      "name": "California Institute of Technology"
    }
  },
  "@type": "Person",
  "@id": "https://orcid.org/0000-0001-7766-5009"
},
```

# Enhancement 2 → Usage Statistics



188  
views

59  
downloads

0  
citations

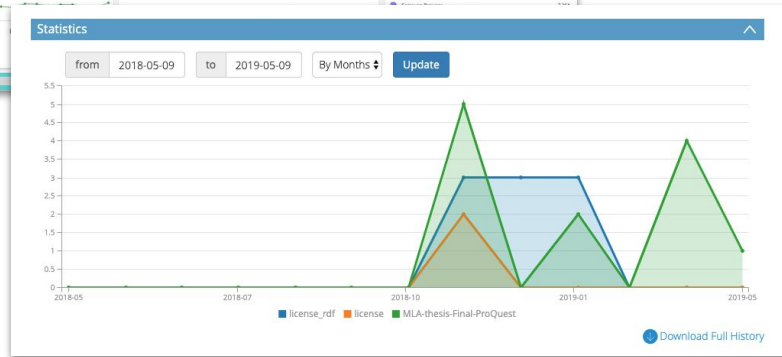
Dear Author,

You had **1** new download in March 2019 across your **1** paper in bepress SelectedWorks. Your current readership:

**1** Total Downloads



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DASHBOARD**





# Enhancement 3 → Author Profiles

Scopus Search Sources Alerts Lists Help v SciVal > Register > Login v

## Author details

About Scopus Author Identifier

< Return to search results 1 of 27 Next > [Print](#) [Email](#)

### Goodall, Jane

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The Jane Goodall Institute, Arlington, United States  
Author ID: 7006705295  
Other name formats: [Goodall, J.](#)

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[Immunology and Microbiology](#) [Biochemistry, Genetics and Molecular Biology](#) [Veterinary](#) [Medicine](#)  
[Arts and Humanities](#) [Neuroscience](#) [Psychology](#)

Document and citation trends:

Year	Documents	Citations
2008	1	100
2009	2	150
2010	2	180
2011	3	200
2012	3	220
2013	4	250
2014	3	280
2015	3	300
2016	2	320
2017	2	340
2018	1	360

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[h-index](#) 29 [View h-graph](#)

Documents by author: 57 [Analyze author output](#)

Total citations: 5047 by 3773 documents [View citation overview](#)


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ADVANCED

## Bishnu Acharya

[SCHOLAR DETAILS](#)



Name	Bishnu Acharya
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Phone	(902) 566-0546
Building	School of Sustainable Design Engineering, 333
Website	<a href="http://www.upei.ca/engineering/faculty/bishnu-acharya">http://www.upei.ca/engineering/faculty/bishnu-acharya</a>

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### Biography

Assistant Professor  
BEng (Tribhuvan); MEng (Asian Institute of Technology); PhD (Dalhousie)

### Recent Publications

Eggshell as a carbon dioxide sorbent: Kinetics of the calcination and carbonation reactions [Just Accepted Manuscript]  
> *Energy & Fuels*, 2019

# Enhancement 4 → Self-Submit

The image displays a 'Publication Deposit Form' interface. The form is divided into several sections, each with a blue header and a dropdown arrow:

- Resource Type:** A dropdown menu with 'Journal Article' selected.
- DOI:** A text input field with the placeholder 'Insert DOI. Leave the field empty to have a new DOI assigned' and a small icon to the right.
- Basic Information:** A section containing:
  - Title \***: A text input field with the placeholder 'Briefly describe your dataset'.
  - Authors/ Creators:** A section with a '+' sign, containing:
    - Author \***: A text input field with the placeholder 'Family name, First name'.
    - Affiliation**: A text input field.
    - Identifier**: A text input field.

Below the form, there is a horizontal navigation bar with icons and labels for different publication types: Publication, Poster, Presentation, Dataset, Image, Video/Audio, Software, Lesson, and Other. The 'Publication' type is selected, and a dropdown menu below it shows 'Journal article'.


At the bottom of the form, there is a 'Basic information' section with a 'required' status and a dropdown arrow.


Additional text on the right side of the form includes: '(minimum 1 file required, max 50 GB per dataset - contact us for larger datasets)' and 'recommended' with a dropdown arrow.


# Enhancement 5 --> Metadata Export


BibTeX Endnote APA Chicago DIN 1505 Harvard MS Office XML All formats


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  address = {Amsterdam},  
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  biburl = {https://puma.ub.uni-stuttgart.de/bibtex/2a7375ea02d79e5d3366cc655c262b470/kevin.konnerth},  
  doi = {10.1016/j.piutam.2015.01.010},  
  interhash = 180e454aa67e062h9k80k26287sk2222a1
```

 Add citation to the local clipboard.

 Final: PDF;

 Export as: [BibTeX](#) | [MARC](#) | [MARCXML](#) | [DC](#) | [EndNote](#) | [NLM](#) | [RefWorks](#) | [RIS](#)

 View as: [MARC](#) | [MARCXML](#) | [DC](#)

 [Add to your basket:](#)

EXPORT

[RefWorks](#)

[BibTeX](#)

[Ref. manager](#)

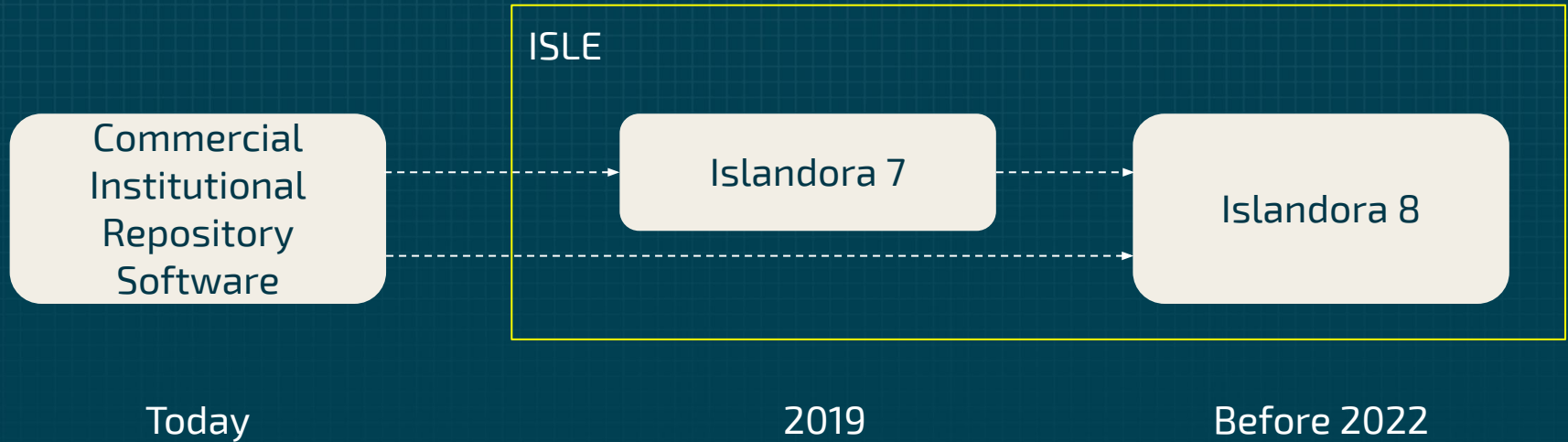
[Endnote](#)

[DataCite](#)

[NLM](#)

[DC](#)

# MIGRATION PATHWAYS



# Born-Digital

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**Noah Smith**

*CEO / Founder*



**Derek Merleaux**

*Team Lead*



**Sarah Lippincott**

*Senior Consultant*



**Patrick Dunlavey**

*Lead Developer*



**Gavin Morris**

*Systems Developer*



# Islandora For All

ISLE + LASIR + Community

a grant from The Andrew W. Mellon Foundation



# Islandora for All

## ISLE + LASIR + Community

Building **community** is critical to sustaining an open-source project.

ICG built strong LAC community (Hack/Docs, ISLE, LASIR)

*Islandora for All:*

1. ICG's focus on building larger community
2. The ICG is moving towards supporting an environment that includes everyone, and that includes sharing leadership positions.



# LASIR: Liberal Arts Sprint for Institutional Repositories

Goal: develop a robust suite of IR features within Islandora through community involvement, coding new features, and creating thorough documentation

Five major areas: SEO and Google Scholar, data visualizations and reporting, improved scholar profiles, self-deposit workflow, and data outputs

# ISLE: ISLandora Enterprise

## Goals:

- Make stack installation easy so that it lowers the barrier to entry for Islandora/Fedora adoption
- Make maintenance and sustainability easier across a variety of institutions
- Provide a viable open-source repository choice for organizations with smaller staffing levels

# Islandora Collaboration Group (ICG)

The Islandora Collaboration Group (ICG) is a group of colleges **supporting** and **extending** the Islandora repository through **development**, **resource pooling** and **advocacy**.



<https://github.com/Islandora-Collaboration-Group>



# ICG Members

- Amherst College
- Barnard College
- Colgate University
- Hampshire College
- Mount Holyoke College
- Grinnell College
- Hamilton College
- Rensselaer Polytechnic Institute
- Smith College
- Tri-College Libraries Consortium
  - Bryn Mawr College
  - Haverford College
  - Swarthmore College
- Vassar College
- Wesleyan University
- Williams College



# Community - Benefits

- Help to minimize risk; greatest strength in numbers
- Targeting resources to steward unique aspects of our institutions
- Small consortial investment yields great rewards
  - Ability to join governance of larger community (e.g., Islandora Foundation)
  - Seats on board of directors, technical, and planning roadmaps
- Investing resources to products and platforms that we need in a way we can sustain

# Community - Challenges

- Project Management, relationships and communication.
- Risk management and resource allocation, gaining support from senior leadership for this type of work/system.
- Open source isn't free. Mitigating needs with both money and staff time are necessary. Sharing across institutions helps.
- Our projects are from primarily white institutions and elite colleges with financial and staffing resources. Potential to increase stakeholders in the development process of open source.

# The Future

- Continued sustainable collaboration in the open source repository space.
- Alignment with Islandora 6 and Fedora 8
- Collectively developing migration plans and pathways
- More ISLE members - consider joining!
- More shared development projects
- Increasing Islandora expertise of library staff and software developers

# Questions?

Importance of open source in open access

Benefit of having a wide range of participants in building out the tools

Challenges to making community-supported software work well