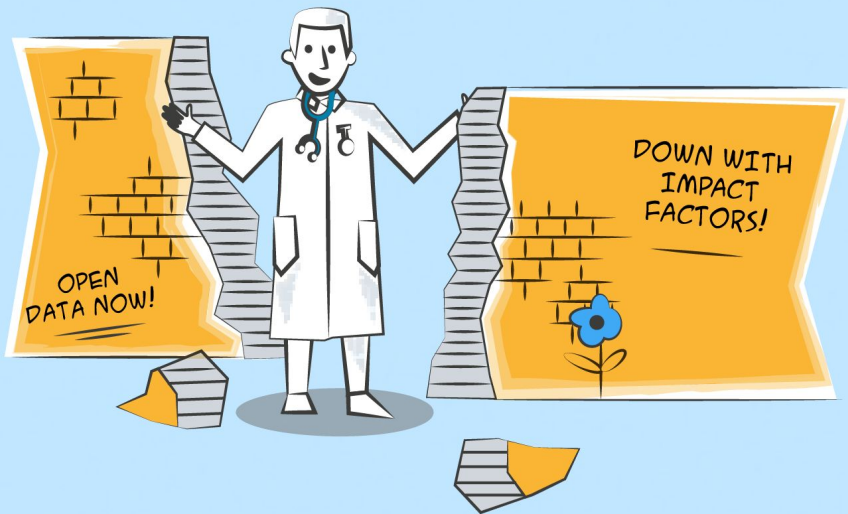


# Open Repositories, Open Connections: Case Studies in Open Source Repository Integrations



# Mission

To build partnerships that make research open to the world, without barriers.

## Background

- Researcher-led
- Spun out of University College London in 2012
- Head office in London, US office in Berkeley
- A publisher *and* a platform
- Partner presses, journals, books, repositories, research data, conferences

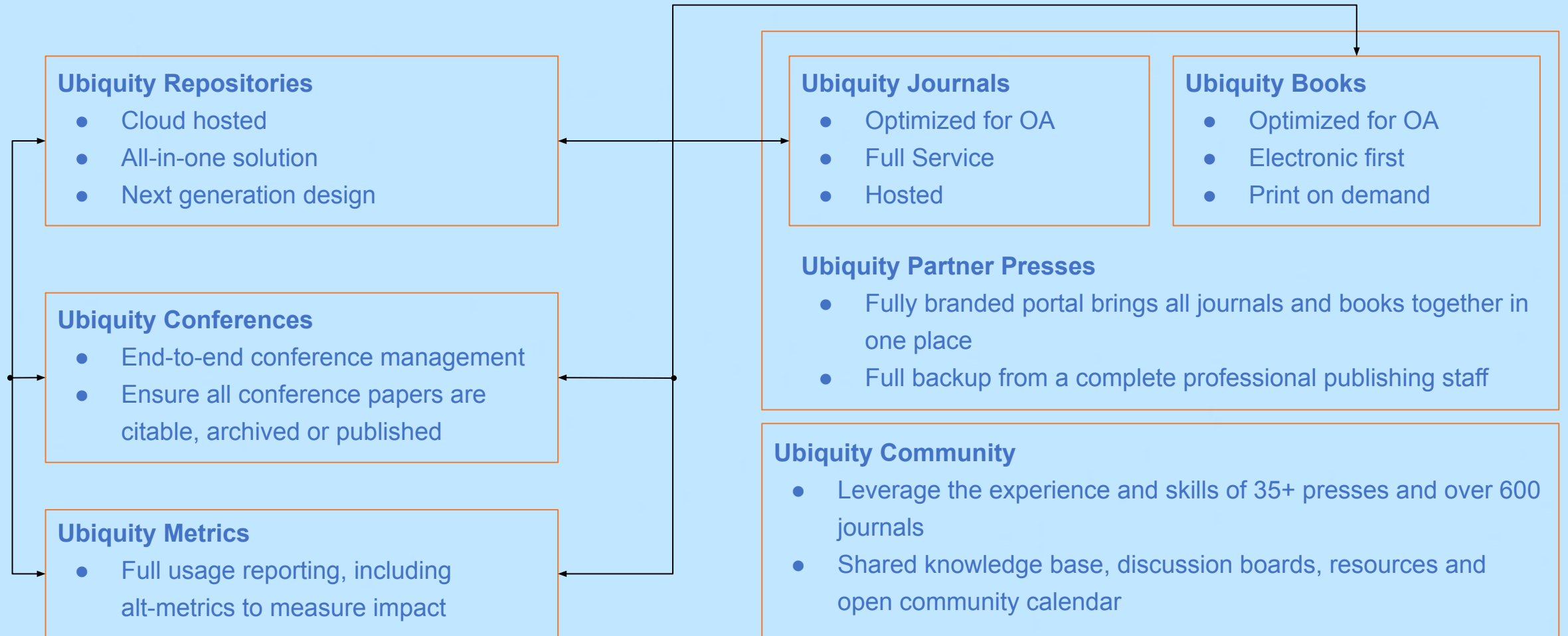


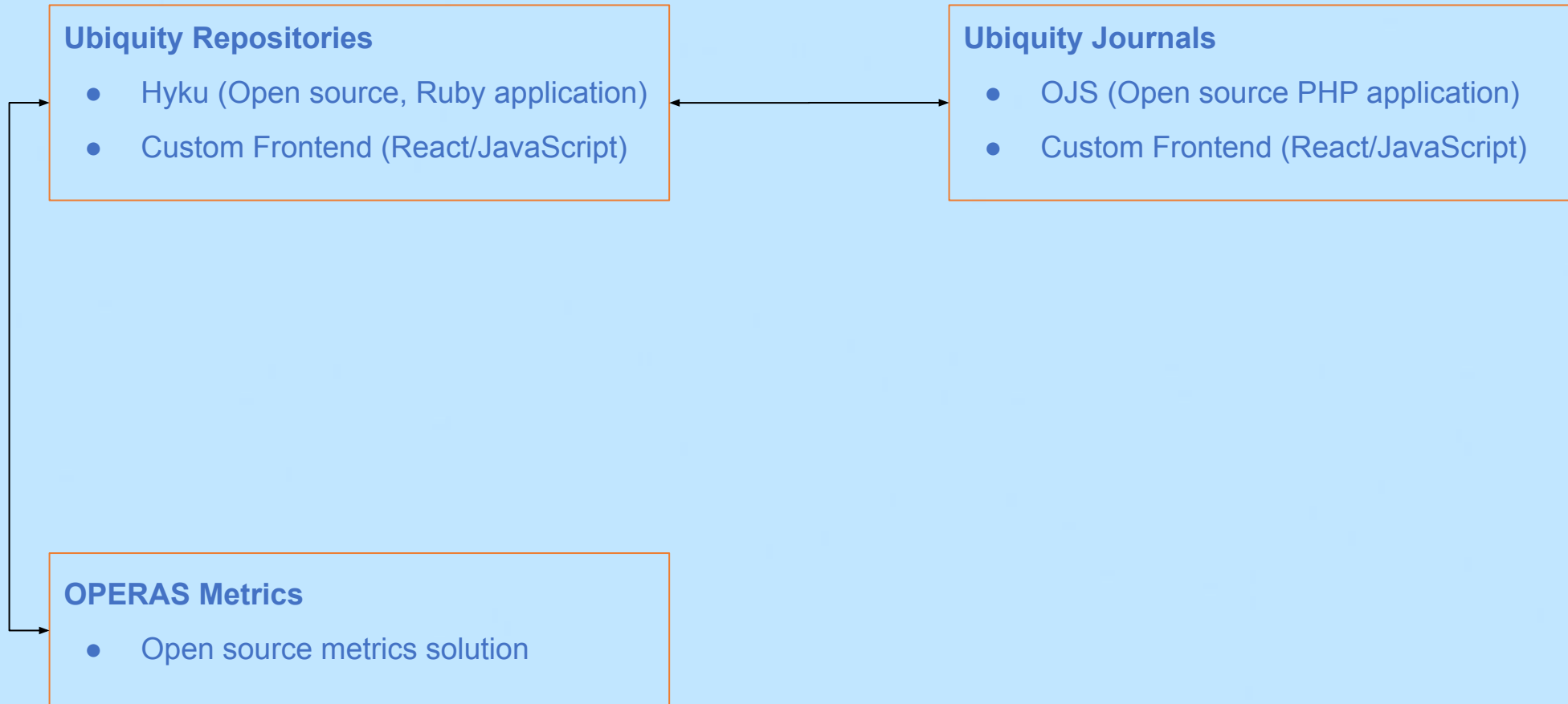
# Ubiquity aims to take a practical approach to integrating all of its platforms with other platforms and tools

- **In practice, this means a mix of approaches**
- Leveraging existing infrastructure to create new functionality
  - Basic reporting tool
- Creation of repository-specific tools and services
  - Bulk auto-population tool
  - ORCID syncing
- Integration of general services and tools
  - OPERAS metrics

# **]u[** Ubiquity Ecosystem

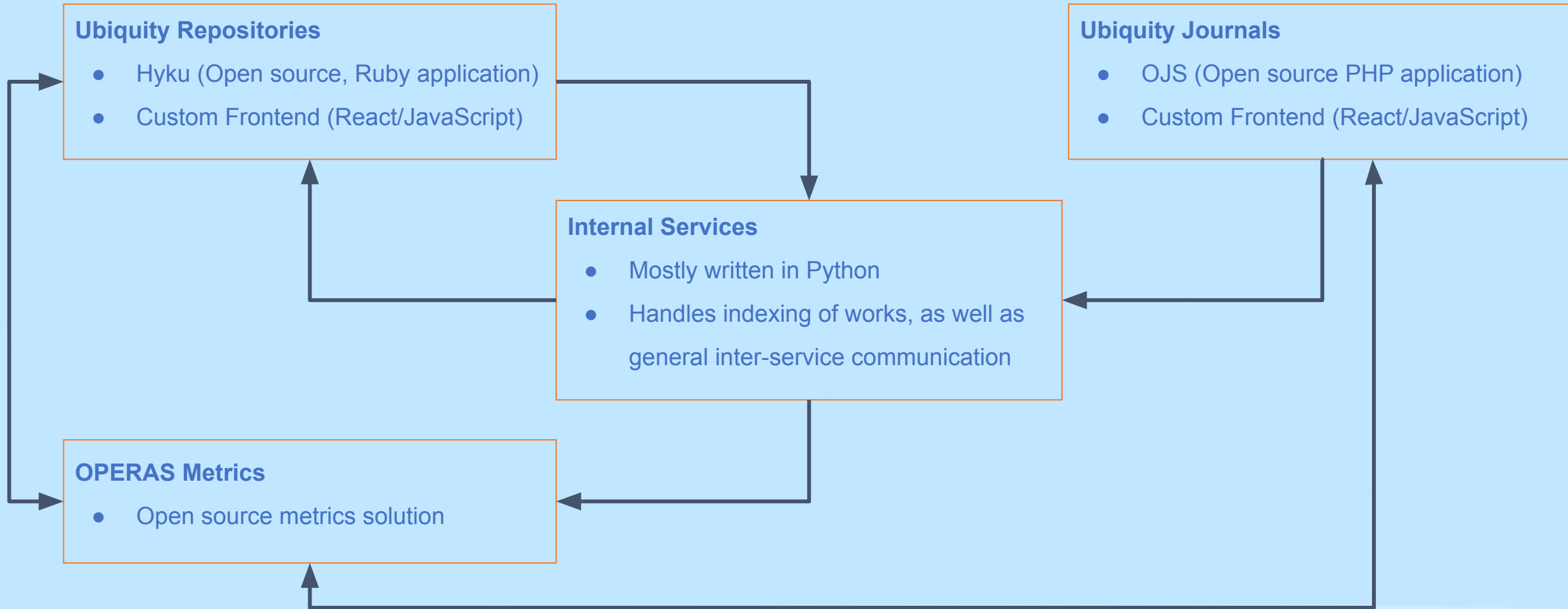
Full integration for seamless research dissemination





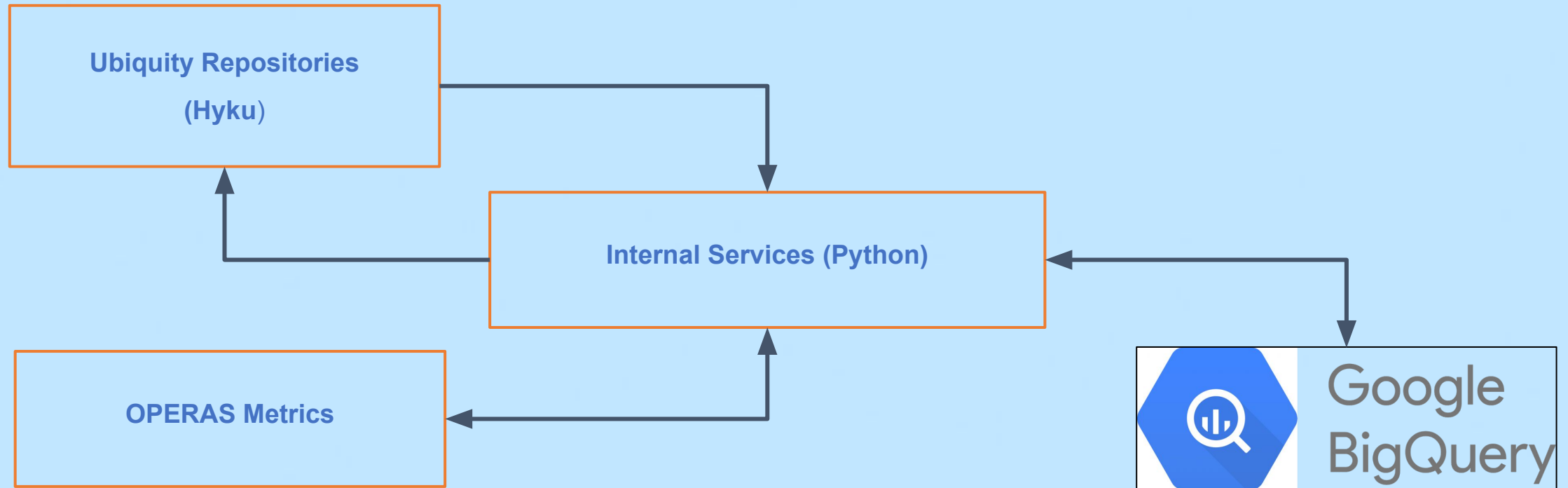
# **]u[** Ubiquity Ecosystem

Full integration for seamless research dissemination



# Basic Reporting Dashboard:

## Leveraging existing infrastructure to create new functionality



# Basic Reporting Dashboard

- Existing internal indexing and data processing services can be augmented to perform new tasks
- Simple example - **Basic Reporting Tool**
  - During processing, repository works are automatically sent to Google BigQuery
  - This is combined with our metrics collection services (OPERAS)
  - Results in a simple tool that gives an overview of user engagement at a repository level (rather than just a work level)



# Basic Reporting Dashboard

Repository of Open Access Research (RoOAR)

aaron.mccollough@ubiquitypress.com

aaron.mccollough@ubiquitypress.com

Home / Dashboard / Works

## ACTIVITY

Repository Activity

Your activity

## REPOSITORY CONTENTS

Works

Collections

Importers

Exporters

## TASKS

Review Submissions

Manage Users

Manage Groups

Manage Embargoes

Manage Leases

## CONFIGURATION

Settings

## Ubiquity Analytics

### Available Reports

UNA Basic Report

## ]u[ Repositories Analytics Report for UNA: ir.una.edu

### Top Views

	depositor	Title	Views
1.	tom.mowlam@ubiquitypress.c...	Cultural Considerations in Fore...	120
2.	jpate1@una.edu	Lights and Shadows 2022	79
3.	tom.mowlam@ubiquitypress.c...	The Framing of Race: Trayvon ...	77
4.	dmalone3@una.edu	Embedding the library in the pa...	51
5.	tom.mowlam@ubiquitypress.c...	An enigmatic new crocodile fro...	48
6.	jpate1@una.edu	From Seedlings to Success: Ho...	33
7.	jtodd2@una.edu	A Christian Perspective, Volum...	33
8.	jtodd2@una.edu	Last Words of Torrey McNabb, ...	30
9.	jtodd2@una.edu	Email from Esther Brown to PH...	25

### Top Downloads

Handwritten by Darrell Grayson

	depositor	Title	Downloads
1.	tom.mowlam@u...	Cultural Considerations in Forensic Science in the United States	170
2.	jpate1@una.edu	Lights and Shadows 2022	31
3.	jtodd2@una.edu	Last Words of Torrey McNabb, October 26, 2017	12
4.	jtodd2@una.edu	Handwritten by Darrell Grayson	10
5.	jpate1@una.edu	From Seedlings to Success: How One State's Funding of OER Projects Helpe...	9
6.	jtodd2@una.edu	On Wings of Hope, Volume 9, No. 3, July-September 2004	9
7.	jtodd2@una.edu	On Wings of Hope Volume 21, Issue 2, April-June 2017	9
8.	jtodd2@una.edu	Email from Esther Brown to PHADP	9
9.	mshohaq@una.e...	Stretchable Sensor Comprising Perovskite and Mechanoluminescence Mater...	7

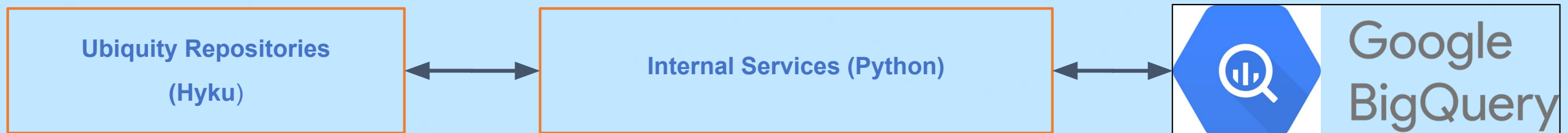


rowan.hatherley@ubiquitypress.com | @ubiquitypress

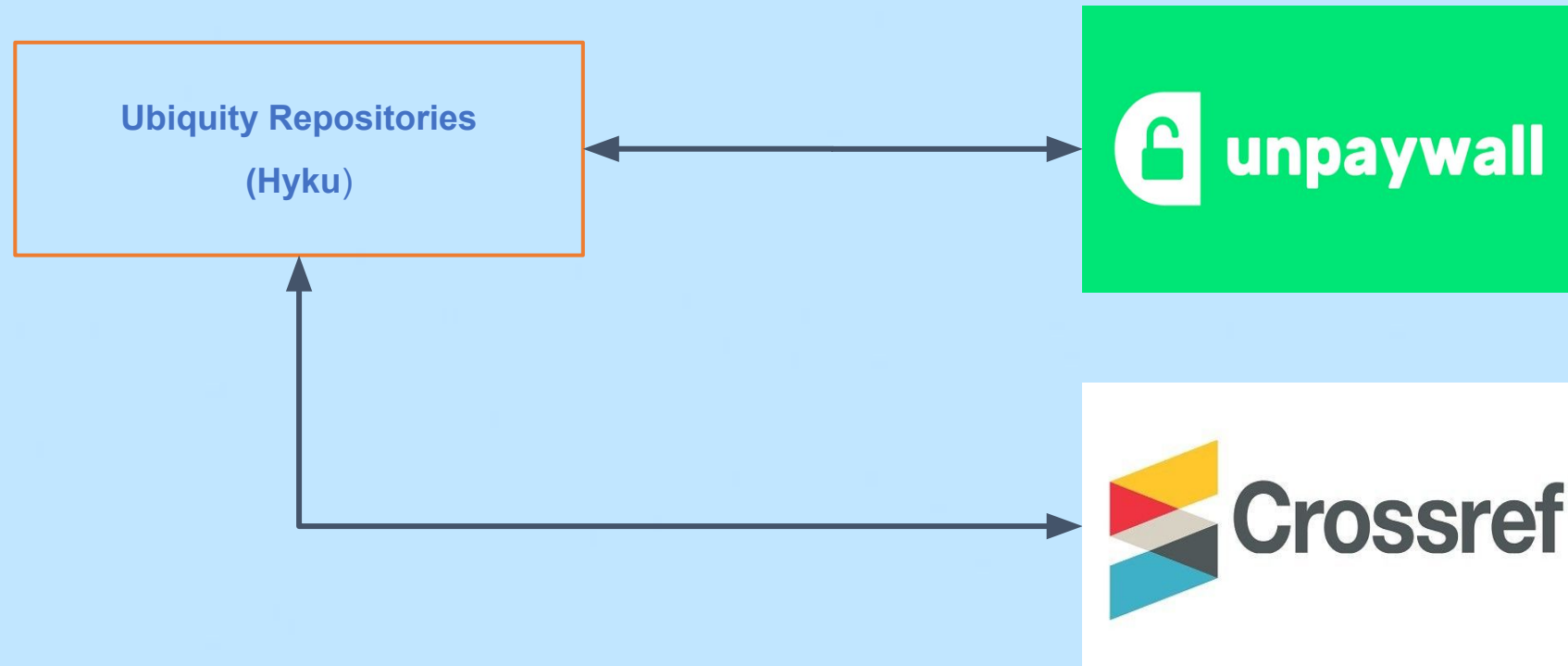


# Basic Reporting Dashboard

- Example of experimental, short-term solutions to pressing problems
- Relatively quick and easy implementations
- Likely to be reviewed and the approach reimaged in future

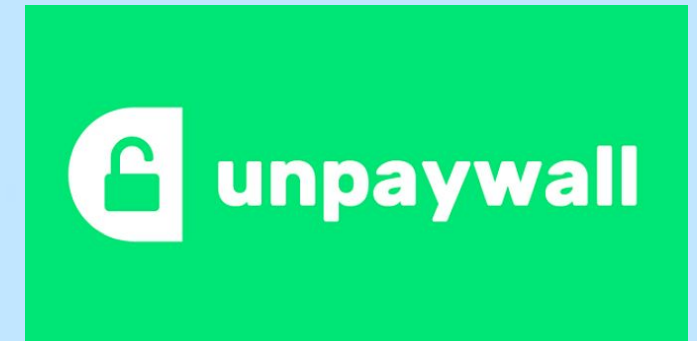


# The Autopopulator Tool: A Hyku-specific repository tool

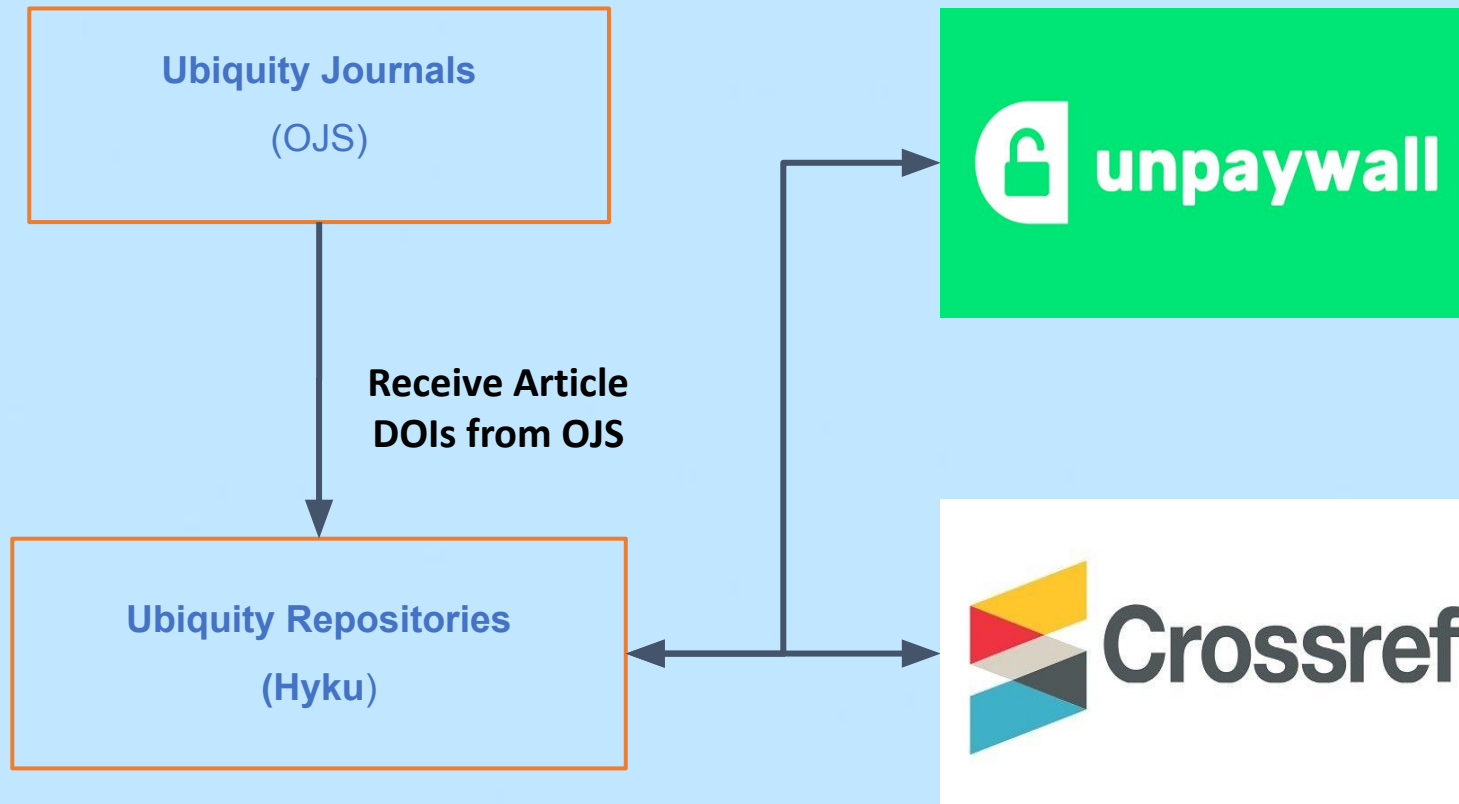


# The Autopopulator Tool - overview

- Uses DOIs to create work records in the repository
- Integrates with Crossref and Unpaywall
- Individual level - quick, easy way to pull works of a repository user or institution into the repository
- By connecting this to OJS, this can be used to compliment active journal publishing with repository archiving



# The Autopopulator Tool: OJS Integration



## Unpaywall used to

- Determine if content is Open Access
- Provides a download link to the full version of an article

## Crossref:

- Provides article metadata

# Combining active journal publishing with repository archiving



## Slayage: The International Journal of Buffy+

### Slayage Journal History

Slayage was first published in January of 2001, having been conceived as David Lavery (1949-2016) and Rhonda V. Wilcox considered over one hundred and forty proposals submitted for possible inclusion in *Fighting the Forces: What's at Stake in Buffy the Vampire Slayer* (Rowman & Littlefield, 2002). Lavery and Wilcox learned, also, that two other collections of essays on Buffy were in the works. It seemed obvious that there existed a not-soon-to-be-exhausted international critical and scholarly interest in the series. With *Whoosh! The Journal of the International Association of Xenoid Studies* in mind as a model, Slayage: The Online International Journal of Buffy Studies was born.

### VOLUMES & ISSUES IN THIS JOURNAL

- + Volume 1
- + Volume 2
- + Volume 3
- + Volume 4
- + Volume 5

Expand all



# ORCID Syncs: A Hyku-specific repository tool



# ORCID Syncs - A Hyku-specific repository tool

- A user or institution's repository works can be automatically synced with their ORCID profile
- Conversely, works associated with an ORCID profile can be pulled into the repository
- Note, this is at a user/organization level, rather than at a work level

ORCID



# ORCID Syncs - A Hyku-specific repository tool



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Search

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## Aaron McCollough

Ubiquity Product

Aaron McCollough was raised in Tennessee. He currently works as Product Director for Repositories at Ubiquity. He has over 10 years of experience in publishing, editorial, and professional writing fields. He is co-publisher, with Karla Kelsey, of SplitLevel Texts.

**in** [aaron-mccollough-8b038216](#)

**id** <https://orcid.org/0000-0001-6268-555X>

### WORKS

PUBLISHED ARTICLE



#### Driving Suns: The Market Potential for Argosy in the Middle Kingdom

[McCollough, Aaron](#)

[Terms of Use](#)  
[Accessibility](#)  
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[rowan.hatherley@ubiquitypress.com](mailto:rowan.hatherley@ubiquitypress.com) | [@ubiquitypress](#)



# ORCID Syncs - A Hyku-specific repository tool

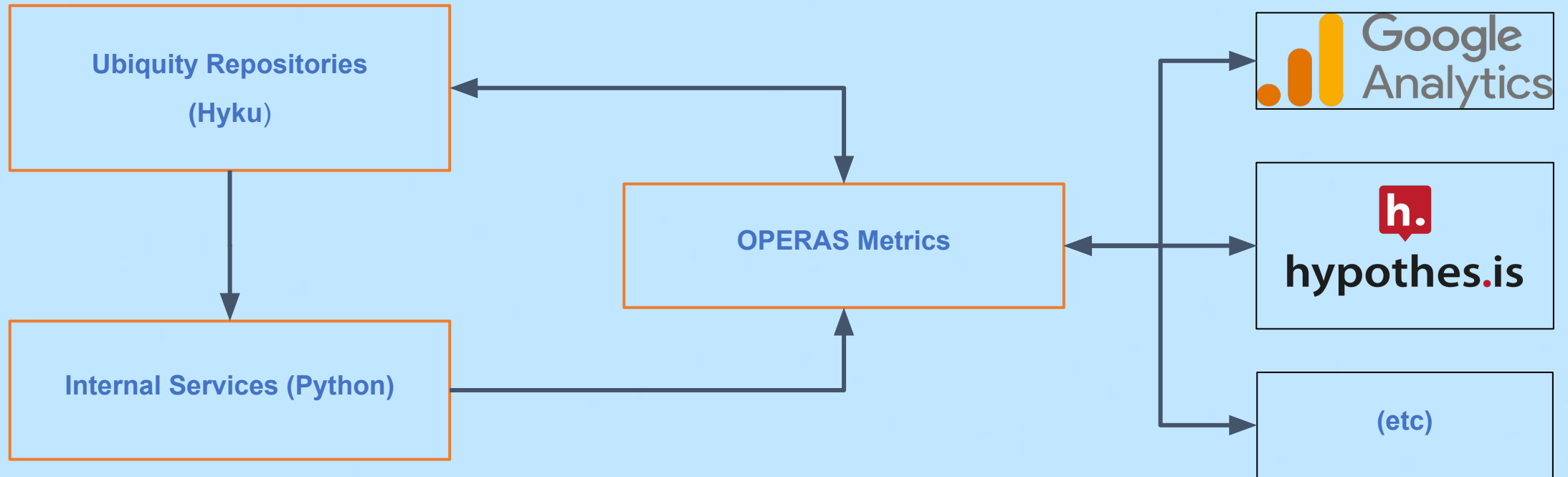
Education and qualifications (1)		Sort
University of Michigan: Ann Arbor, MI, US		
2001 to 2007   PhD - English Language and Literature (English) Education		<a href="#">Show more detail</a>
Source: Aaron McCollough		
Works (2)		Sort
Driving Suns: The Market Potential for Argosy in the Middle Kingdom		
Other OTHER-ID: f73cfb05-008f-4449-99cd-9a16ded6e740 CONTRIBUTORS: Aaron McCollough		<a href="#">Show more detail</a>
Source: Hyku Addons		

ORCID

# Repository Tools - Caveats

- Works require a DOI
- Works must be publicly accessible
- Limited to the Hyku repository
- Autopopulator tool assumes that the core database fields in Hyku have not been changed
  - E.g. Creator, Title, Journal Name, etc

# OPERAS Metrics: Integration of product/platform-independent tools



# The OPERAS Metrics Project

- Originally part of the HIRMEOS initiative
- Goal to integrate open access monographs into the open science ecosystem
- Prototyping innovative services for monographs to address major challenges felt in the Humanities and Social Sciences
- Providing additional data, links and interactions with the monographs, and paving the way to new potential tools for research assessment

# The OPERAS Metrics Project

- Original project scope limited to monograph publishing
- However, there are features that can be applied to repositories
  - Views and downloads metrics (easiest to include)
  - Hypothesis annotations and metrics
  - Crossref citations (for published works with DOIs)

# Fundamentals of Business Law

Randall, Melissa

2020

## ABSTRACT

It is important for business people to understand the legal environment in which they are operating. To be successful, businesses must understand how law and economic principles influence each other. Businesses want to be successful, which usually means they want to be profitable. While a basic economic principle is that businesses act in their own self-interest, they must do so within the parameters of the law. Sometimes businesses weigh the penalties of violating the law against the chances of getting caught to determine how they should behave. In both instances, the law is a restraint on behavior.

## FILES

File name	Date Uploaded	Visibility	File size	
AA00007386_00001.pdf	14 Sep 2021	Public	16.1 MB	 

## METRICS

**4,767**  
Views

**1,431**  
Downloads

## METADATA

Language	English
Subject	Business

[Download citation \(RIS\)](#)
[Share this work](#)

## Collections

Auraria Campus Teaching Materials Collection

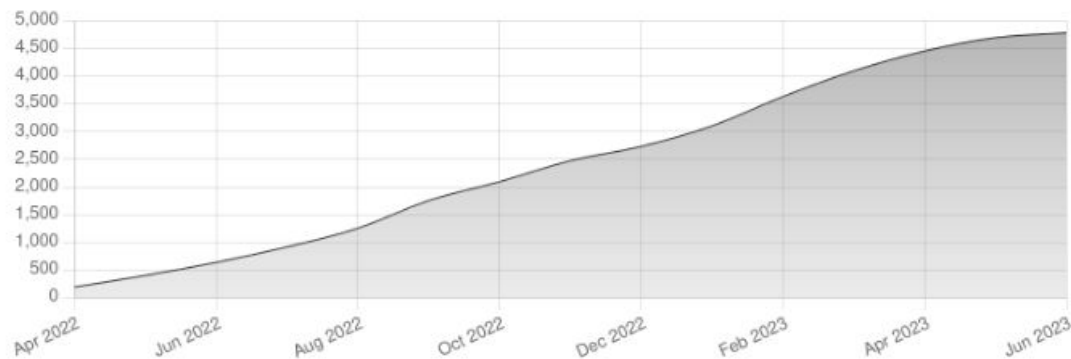


## METRICS

4,767  
Views

1,431  
Downloads

### Views Over Time



### Views By Country

United States	2,856
India	242
Pakistan	108
South Africa	72
Australia	72
Canada	67
United Kingdom	66



Definition for this metric on the [OPERAS](#) website



## In conclusion

- In our practical experience, the integration of services can happen at multiple levels
- Where possible, useful tools can be fed back into the open source community
  - Ruby gems in the case of Hyku
  - Standalone services in the case of the OPERAS metrics

## Any questions?

Feel free to contact Aaron McCollough ([aaron.mccollough@ubiquitypress.com](mailto:aaron.mccollough@ubiquitypress.com)) if you found in any of these solutions interesting and would like to learn more about them.