University of Miami | Fast Facts

$375M
FY21 Research Expenditures

3.4K
Faculty, including 73 librarians

12K Undergrads
7K Graduates

3 Campuses
12 Schools & Colleges

Scholarly Communications

Research Information Management

Esploro

Source of Truth

Source for Discovery

Source for Expertise

Reduction of Tools

U MIAMI LIBRARIES
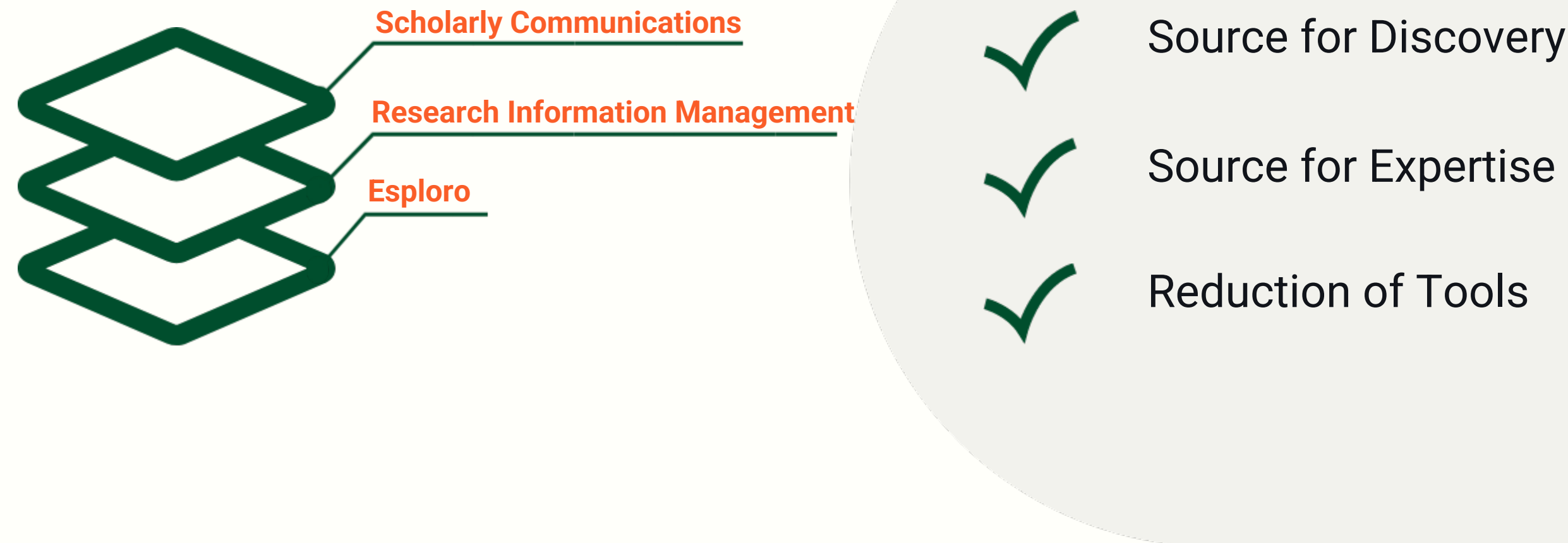
UM Research Information Landscape | 2017-18

Scholarship@Miami Timeline (2017-2022)

Early development partnership with Ex Libris - Esploro

Campus RIMS group / Libraries Esploro team established

Pandemic/ Leveraging Esploro AI

| 2017 | 2017 | 2018 | 2019 | 2020 | 2020-22 | 2022-23 |

Campus stakeholders convene for research services platform

Esploro adoption / UM Leadership meetings ongoing

Scholarship@Miami institutional repository goes live

Pivot to: Esploro & Faculty Directory Solution

MIAMI U LIBRARIES

Research Information Management Systems Committee (2019-)
o Assess RIMS Environment
o Create long-terms RIMS strategy

Esploro Implementation WG (2019-)
o Inform Esploro development
o Migrate from legacy system
o Produce source of truth

Esploro | Digital Measures Group (2022-23)
o Develop Integrations: Esploro & Digital Measures

UM Communications | Change Management (2023)
o Prepare University for shift to single interface

Strategic Relationships - Miami

Implementing Esploro at UM

MIGRATE FROM LEGACY SYSTEMS

bepress (institutional repository) & Elsevier Pure (RIMS/CRIS)

HR SYSTEM INTEGRATION

Streaming information about UM researchers from the University HR system

CITATION DATABASES & ANALYTICS

Utilizing Esploro Analytics, Ex Libris's CDI and API connections to multiple citation databases to identify UM researchers' outputs. (SCOPUS, Web of Science, Microsoft Academic, Lens, Dimensions, Academic Analytics, Pivot)

AUTHOR MATCHING ALGORITHM MECHANISMS

Leverage Esploro's Artificial intelligence and Machine Learning features to train the system to automatically capture and fetch relevant scholarly outputs produced by researchers affiliated with UM.

Pivot from Researcher Profiling to Metadata Reuse

**Source of Truth** | accurate, trustworthy, and sufficiently complete

Data curation | well-curated, granular, usable

Integration | Accessible, sharable, and automated data flow

Functionality | support an array of business needs & satisfy diverse purposes

Bryant, Rebecca, Jan Fransen, Pablo de Castro. Brenna Helmstutler, and David Scherer. 2021. *Research Information Management in the United States: Part 1—Findings and Recommendations*. Dublin, OH: OCLC Research. https://doi.org/10.25333/8hgy-s428

Functionality
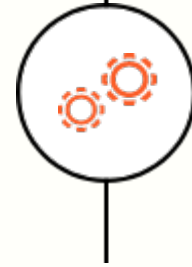
o **Scholarship@Miami's** (Esploro) **corpus of curated research data supports several university initiatives**: metadata on publications, managed by the Library, is integrated with several university **discovery portals**.

o **Solving challenges:** metadata on **grants** awarded by external funding agencies and linked to UM principal investigators are now collected via **Scholarship@Miami** and shared with several university discovery portals.

o **Decision support via publications and grants analysis**: Internally, librarians have utilized and analyzed Scholarship@Miami's data to support decision-making related to transformative and open-access agreements offered by publishers.

o **Customize reports** are shared regularly with external university entities. This includes productivity reports, publications analysis reports by discipline, research topics, or type of publication.

PEOPLE

Browse Administrative Areas   Browse Schools & Colleges   University Organizational Chart

LIBRARIES

Neil Hammerschlag

Rosenstiel School of Marine, Atmospheric, and Earth Science

Roles

Research Associate Professor
Director of the Shark Research & Conservation Program

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Log in to view address 🔒

+ Biography

+ Education & Training

+ Research Interests

+ Publications

+ Related Links

JOURNAL ARTICLE
Consequences of "Natural" Disasters on Aquatic Life and Habitats
Environmental reviews (2022) (with Steven J Cooke, Diana M.P. Galassi, Bronwyn M. Gillanders, Sean J. Landsman, Austin J. Gallagher, Erika J. Eliason, Clifford E. Kraft, Mark K. Taylor, Charlie M. Crisafulli, Dan H. Shugar and Robert Lennox). 10.1139/er-2022-0050

JOURNAL ARTICLE
How continuing mortality affects recovery potential for prohibited sharks: The case of white sharks in South Africa
3 Frontiers in conservation science (2022) (with Heather D. Bowlby, Dylan T. Irion and Enrico Gennari). 10.3389/fcosc.2022.988693

JOURNAL ARTICLE
Disappearance of white sharks leads to the novel emergence of an allopatric apex predator, the sevengill shark
9 Scientific reports 1908-1908 (2019) (with Lacey Williams, Monique Fallows and Chris Fallows). 10.1038/s41598-018-37576-6

« ‹ 1 2 › »

VIEW MORE WORKS

MIAMI LIBRARIES

< Back

Overview | Output

Neil Hammerschlag

Research Assoc. Professor,
Rosenstiel - Environmental
Science and Policy ,
Rosenstiel School , Schools
& Colleges , University of
Miami

All assets (150)

Publication (147)

Dataset (3)

⬚ **EXPORT ALL**

A novel intrauterine satellite transmitter to identify parturition in large sharks

by James A Sulikowski and Neil Hammerschlag

Published 2023-03

Science advances, 9, 9, eadd6340 - eadd6340

Determining where and when animals give birth is critical for establishing effective conservation management that protects vulnerable life stages (e.g., pregnant females and newborns) and places (e.g., nursery grounds). To date, this information has been elusive in the case of highly mig wild. Here, we report on the deployment a of novel intrauterine satellite tag implante

209

⌄ Show more

Global tracking of shark movements, behaviour and ecology: A review of the renaissance years of satellite tagging studies, 2010–2020

by Samantha Renshaw, Neil Hammerschlag, Austin J. Gallagher, Nicolas Lubitz and David W. Sims

Published 2023-03

Journal of experimental marine biology and ecology, 560, 151841

35

Acoustic tracking of a threatened juvenile shark species, the smooth hammerhead (Sphyrna zygaena), reveals vulnerability to exploitation at the boundary of a marine reserve

by Patricia Albano, Chris Fallows, Monique Fallows, Lacey Williams, Taryn Murray, Oliver Sedgwick and Neil Hammerschlag

35

Decision Support

★ Collections

Featured collections

★ UM Open Access Research Published in PloS

PLoS (Public Library of Science) is a nonprofit publisher of open-access journals in science, technology, medicine, and other scientific literature under an open-content license.

All collections

Page 1 of 4 results

★ College Of Engineering - Latest Publications

Latest publications by researchers affiliated with UM College Of Engineering (2022-to present).

★ Rosenstiel School - Latest Publications

Latest publications by researchers affiliated with Rosenstiel School of Marine, Atmospheric, and Earth Science (2022-to present).

Featured & Focused Collections

From Implementation to Management

MIGRATE FROM LEGACY SYSTEMS

HR SYSTEM INTEGRATION

CITATION DATABASES & ANALYTICS

AUTHOR MATCHING ALGORITHM MECHANISMS

MAINTENANCE & WORKFLOWS

Manage day-to-day operations and development. **This includes:**

o Ensuring data accuracy & completion,

o Approving "Smart Harvesting" tasks of new publications and grants and,

o Maintaining & expanding various data integrations to support external projects,

o Leading the Library RIMS Service Model vision

Esploro Research Output

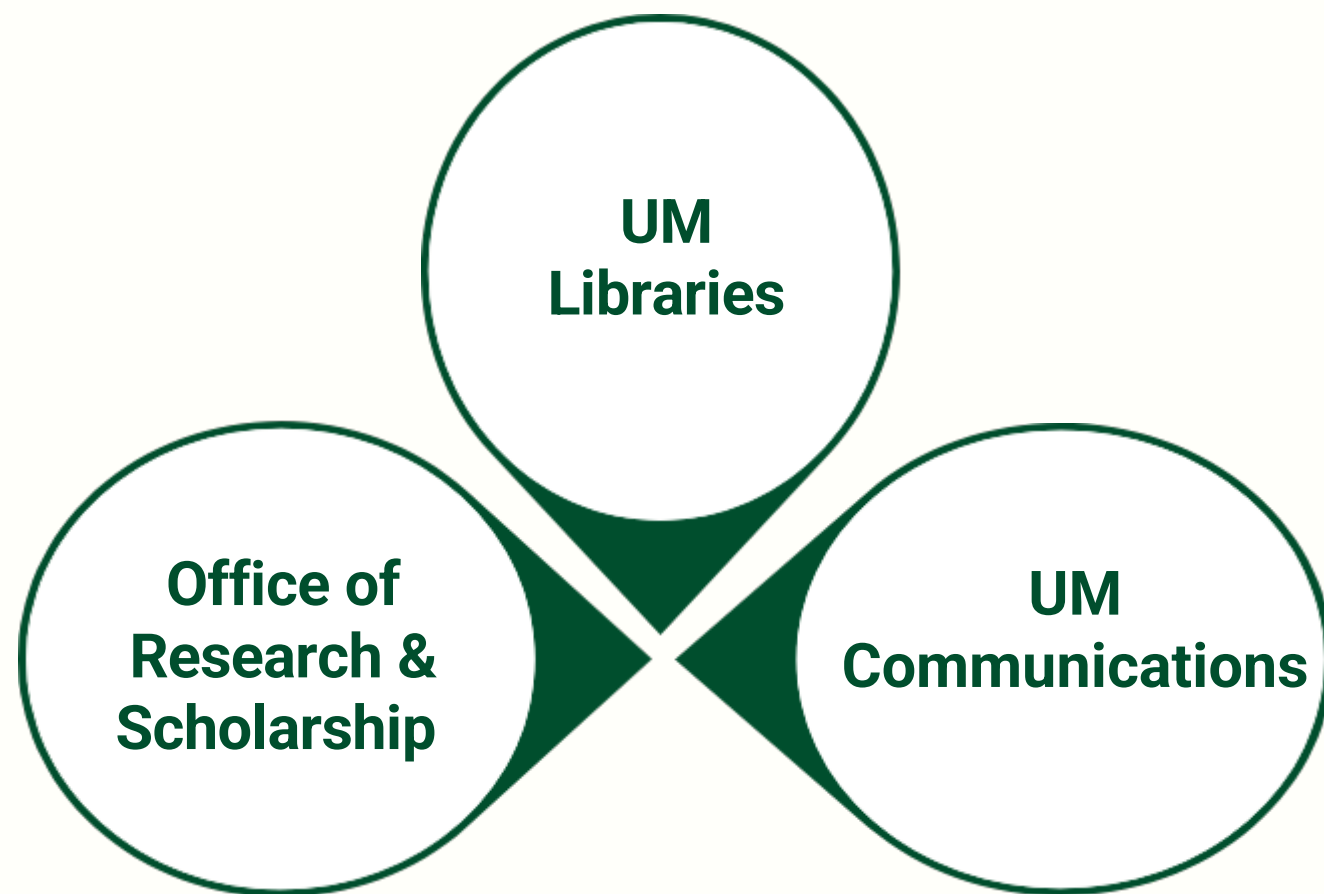NSPM -33

OSTP Nelson Memo

ORCiD Adoption | 2022-23

Goals for ORCiD app
- ✓ ORCiD for All!
- ✓ SSO
- ✓ Affiliate & Trust

Campaign Strategy
- ✓ Faculty 1st wave
- ✓ Joint Messaging
- ✓ Iterative

ORCiD | Create & Connect - Miami

Results
- ✓ One month =
1/3 adoption for target group
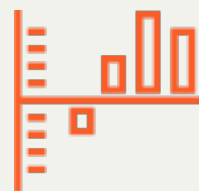
Outcomes
- ✓ Advances Compliance

Next Steps
- ✓ Target specific schools & colleges
- ✓ Faculty Onboarding
- ✓ Esploro push to ORCiD

Circles: UM Libraries, Office of Research & Scholarship, UM Communications

ORCiD | Create & Connect - Miami

NEW DEPARTMENT

MEETING DATA NEEDS

COMMUNICATION &
PARTNERSHIPS

The Future

Learn More!

Kautzman, A., Gushee, E., Clemons, J., Branch, S. (2022, March). *Research Information Management: Library Roles & Opportunities* [Video]. Association of College and Research Libraries (ACRL) Choice webinar, 2022, Online.
https://www.youtube.com/watch?v=AF8lEE0AiOo&t=107s

Gushee, E., Clark Hughes, A., Ben-Knaan, K. (2021, December). *University of Miami's Esploro Journey: Leveraging Human Eco-systems & Intelligence to Train AI Models* [Conference session]. Coalition for Networked Information (CNI), Fall 2021, In-person. https://www.cni.org/topics/scholarly-communication/university-of-miamis-esploro-journey-leveraging-human-eco-systems-intelligence-to-train-ai-models

Bryant, Rebecca, Jan Fransen, Pablo de Castro. Brenna Helmstutler, and David Scherer. 2021. *Research Information Management in the United States: Part 2—Case Studies*. Dublin, OH: OCLC Research. https://doi.org/10.25333/qv1f-9e57.

Bryant, Rebecca, Jan Fransen, Pablo de Castro. Brenna Helmstutler, and David Scherer. 2021. *Research Information Management in the United States: Part 1—Findings and Recommendations*. Dublin, OH: OCLC Research. https://doi.org/10.25333/8hgy-s428

Questions?

Thank you!

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