Leveraging Esploro

To Advance Campus Initiatives at the University of Miami

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ELUNA May 2023, Los Angeles, CA
$375M FY21 Research Expenditures
3.4K Faculty, including 73 librarians
12K Undergrads
7K Graduates
3 Campuses
12 Schools & Colleges
UM Research Information Landscape | 2017-18

Source for Discovery
Source for Expertise
Source of Truth
Reduction of Tools
Scholarship@Miami Timeline (2017-2022)

2017
Campus stakeholders convene for research services platform

2017
Early development partnership with Ex Libris - Esploro

2018
Esploro adoption / UM Leadership meetings ongoing

2019
Campus RIMS group / Libraries Esploro team established

2020
Scholarship@Miami institutional repository goes live

2020-22
Pandemic / Leveraging Esploro AI

2022-23
Pivot to: Esploro & Faculty Directory Solution
Strategic Relationships - Miami

**RIMS Task Force**
- Assess RIMS Environment
- Create long-term RIMS strategy

**Esploro Implementation Team**
- Inform Esploro development
- Migrate from legacy system
- Produce source of truth

**Esploro/ Digital Measures Integration Team**
- Develop Integrations: Esploro & Digital Measures

**UM Communications**
- Prepare University for shift to single interface

**Research Information Management Systems Committee (2019-)**

**Esploro Implementation WG (2019-)**

**Esploro | Digital Measures Group (2022-23)**

**UM Communications | Change Management (2023)**
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

Functionality

- **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.

- **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.

- **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.

- **Customize reports** are shared regularly with external university entities. This includes productivity reports, publications analysis reports by discipline, research topics, or type of publication.
Neil Hammerschlag
Rosenstiel School of Marine, Atmospheric, and Earth Science

Roles
Research Associate Professor
Director of the Shark Research & Conservation Program

Biography

Education & Training

Research Interests

Publications

Related Links

JOURNAL ARTICLE
Consequences of "Natural" Disasters on Aquatic Life and Habitats

JOURNAL ARTICLE
How continuing mortality affects recovery potential for prohibited sharks: The case of white sharks in South Africa

JOURNAL ARTICLE
Disappearance of white sharks leads to the novel emergence of an allopatric apex predator, the sevengill shark
9 Scientific reports 1906:1908 (2019) (with Lacey Williams, Monique Fellows and Chris Fellows) 10.1038/s41598-018-37575-6
Neil Hammerschlag

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

A novel intrauterine satellite transmitter to identify parturition in large sharks
by James A Sulikowski and Neil Hammerschlag
Published 2023-03
Science advances, 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 migratory species. Here, we report on the deployment of a novel intrauterine satellite tag implant.

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

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
Featured & Focused 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

- 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 (2002-to-present).
From Implementation to Management

- **Maintain Legacy Systems**
- **HR System Integration**
- **Citation Databases & Analytics**
- **Author Matching Algorithm Mechanisms**

**Maintenance & Workflows**
Manage day-to-day operations and development.

This includes:
- Ensuring data accuracy & completion,
- Approving "Smart Harvesting" tasks of new publications and grants and,
- Maintaining & expanding various data integrations to support external projects,
- 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
Results
- One month = 1/3 adoption for target group

Outcomes
- Advances Compliance

Next Steps
- Target specific schools & colleges
- Faculty Onboarding
- Esplooro push to ORCiD
The Future

NEW DEPARTMENT

MEETING DATA NEEDS

COMMUNICATION & PARTNERSHIPS


Questions?

Thank you!

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