

# *Discovering Value : Discovery Services and ERM Systems Together*

Nancy Fleck  
Michigan State University

Ted Fons  
Innovative Interfaces



ELECTRONIC  
RESOURCES  
& LIBRARIES


# Discovering Value

- ✓ Introduction – Industry landscape
    - Electronic Resources & ERM Systems
    - Discovery Services Platforms
  - ✓ Electronic Resources at MSU
    - Before ERM
    - Benefits of ERM
    - ERM Integration & Discovery
    - The Bottom Line
  - ✓ Systems Integration
  - ✓ Q & A
- Ted
- Nancy
- Ted
- You

# Discovering Value – ERM Systems

- ✓ A response to the need for professional management of electronic resource metadata
- ✓ Sometimes contains a public component
- ✓ Began with local solutions
- ✓ Now dominated by commercial solutions

# ERM is: A Discovery Tool

 **UNIVERSITY LIBRARY** Sonoma State University  
Jean & Charles Schulz Information Center

Snoopy Library Catalog  
Articles & More

Research | Library Services | About the Library

Library > Research > Snoopy Library Catalog

Start Over

New Search

Place a Hold

Mark For Print/Email

MARC Display

Limit/Sort Search

Amazon Reviews

Another Search

Repeat Search in **Link+**

(Search History) ▼

TITLE ▼

aba banking journal

View Entire Collection ▼

Search

Record: [Prev](#) [Next](#)

**Corp Author** [American Bankers Association.](#)

**Title** **ABA banking journal.**

**Imprint** [New York, Published for the American Bankers Association by Simmons-Boardman Pub. Co.]

**Continues** [Banking](#)

**ONLINE:**

<a href="#">Factiva</a>	Jan. 01, 1989-	<a href="#">Info</a>
<a href="#">Business Source Premier</a>	Apr. 01, 1979-	<a href="#">Info</a>
<a href="#">LexisNexis Academic</a>	Jan. 01, 1980-	<a href="#">Info</a>
<a href="#">ABI/INFORM Complete</a>	Jan. 01, 1987-	<a href="#">Info</a>

<i>SSU OWNS</i>	PRINT: v.73 no.9 (1981)-v.84 no.6 (1992), v.86 (1994)-v.91 (1999).
<i>INDEXES</i>	PRINT: v.81 (1989).

[Home](#)
[Search](#)
[Access](#)
[Help &  
Guides](#)
[I.T.  
Help](#)
[Visit  
Us](#)
[Services  
For](#)
[New  
Search](#)
[Export](#)
[Return to  
Browsing](#)
[Limit / Sort](#)
[Another  
Search](#)






☐ Limit results to available items

Record 1 of 2

[← Previous record](#)
[Next record →](#)

**Title**                      **ABA banking journal.**  
**Publisher**              New York : American Bankers Association.

## Online

<a href="#">via Expanded Academic ASAP</a>	01, Jan. 1989-	<a href="#">Access info</a>
<a href="#">via Business Source Premier at EBSCOhost</a>	01, Apr. 1979-	<a href="#">Access info</a>
<a href="#">via ABI/Inform Global at ProQuest</a>	01, Jan. 1987-	<a href="#">Access info</a>
<a href="#">via Banking Information Source at ProQuest</a>	01, Jan. 1987-	<a href="#">Access info</a>
<a href="#">via Accounting &amp; Tax at ProQuest</a>	01, Jan. 1987-	<a href="#">Access info</a>
<a href="#">via Westlaw</a>	01, Feb. 1980-	<a href="#">Access info</a>
<i>links may not resolve if using Firefox to access Westlaw</i>		
<a href="#">via ABI/Inform Trade &amp; Industry at ProQuest</a>	01, Jan. 1987-	<a href="#">Access info</a>

<b>Location</b>	<a href="#">SS&amp;H Journal</a>
<b>Call Number</b>	HG1501 .A18
<b>Library Has</b>	75(1983)-96(2004);97(2005)- lacking 89:10(1997);90:11(1998);92:2(2000);94:4,6,7(2002)
<b>Latest received:</b>	July 2007 v.99 no.7

**Connect to: LexisNexis Total Research System**

<b>Description</b>	Contains the full text of cases, legislation and journal articles from a range of jurisdictions, however coverage is predominantly U.S.
<b>Coverage</b>	Full text content
<b>Other name</b>	Lexis.com Lexis Nexis
<b>Available to</b>	Deakin Students; Deakin Staff; Remote Deakin users
<b>User rights</b>	Download/view (not systematic or automatic); Print single copy of search extract; Save single copy of search extract; Electronic storage for personal use

Click for full text	Access catalogue record	Dates for online coverage
<a href="#"><u>LexisNexis Total Research System</u></a>	<a href="#"><u>ABA banking journal</u></a>	01, Jan. 1980-
<a href="#"><u>LexisNexis Total Research System</u></a>	<a href="#"><u>ABA journal</u></a>	01, Jan. 1984-


*Fairfax business content is no longer accessible in fulltext through Factiva although the index and some abstracts can still be accessed via Factiva. Print and microform copies of the AFR and BRW are available at most campuses. Please contact the information desk if there are further queries.*

\*\*\*\* Recommended browser: Internet Explorer 5.5 \*\*\*\*

<a href="#"><u>Business Source Premier</u></a>	01, Apr. 1979-	<a href="#"><u>Licensing &amp; Resource Info &gt;</u></a>
<a href="#"><u>Expanded Academic ASAP</u></a>	01, Jan. 1989-	<a href="#"><u>Licensing &amp; Resource Info &gt;</u></a>
<a href="#"><u>Academic Onefile</u></a>	01, Jan. 1989-	<a href="#"><u>Licensing &amp; Resource Info &gt;</u></a>


# ERM is: A Discovery Tool

The Library Catalog

Chinook University Libraries

Hours | Off-Campus Access (VPN) | Chinook Home | Libraries Home | CU-Boulder Home

The Library Catalog

Chinook University Libraries

Hours | Off-Campus Access (VPN) | Chinook Home | Libraries Home | CU-Boulder Home

How do I...?Ask Us: email | chat | phoneLog in to My Chinook

Start Over

Limit/Sort

Another Search

(Search History)

GENERAL SUBJECT

Agriculture--Most Useful

All Collections

System Sorted

Sort

Search

☐ Limit search to available items

☒ Save Marked Records

**GENERAL SUBJECTS (1-3 of 3)**  
**Agriculture Most Useful**

1	<b>AGRICOLA</b>  Compiled by the U.S. National Agricultural Library (NAL), source of bibliographic information consisting of over 2.5 million citations to journal articles, monographs, theses, patents, audio-visual materials, and technical reports. Encompasses all aspects of agriculture including plant and animal sciences, forestry, entomology, soil and water resources, agricultural economics, agricultural engineering, agricultural products, alternative farming practices, and food and nutrition.	<a href="#">About this Resource</a>
2	<b>Biological abstracts</b>  This database includes bibliographic references (records) with abstracts derived from life sciences research journals published worldwide - contains some links to full text articles.	<a href="#">About this Resource</a>
3	<b>Web of science</b>  An interdisciplinary online index that provides bibliographic citations for high impact journals in the disciplines of science, social sciences, and arts and humanities. Provides subject, citation, and title access. Includes access to current and retrospective bibliographic information from nearly 9,300 leading scholarly peer-reviewed journals. The database can be used to track resources cited in an article and to identify articles which cite an article or book. The "Find Related Records" feature enables users to find other articles that have cited the same sources. All three areas (sciences, social sciences, and arts and humanities) can be searched individually or in combination.	<a href="#">About this Resource</a>

☒ Save Marked Records



# Discovering Value – Discovery Services


- ✓ Response to the need for a more global, user-focused discovery experience for library patrons
- ✓ Response to the need for a modern development architecture
- ✓ Began with Endeca implementation at NCSU
- ✓ Continued by:
  - Encore – Innovative Interfaces
  - Primo – Ex Libris
  - Aquabrowser – Bowker
  - WorldCat Local -- OCLC



Encore - Mozilla Firefox

File Edit View History Bookmarks Tools Help

http://mill2.iii.com/iii/encore/search/C|Sjournal%2Bof%2Becology|Ori

**Search:** journal of ecology 


[Advanced Search](#)

**Refine by:**


- **SEARCH FOUND IN**
  - Title (32)
  - **FORMAT**
    - BOOK (71)
    - E-JOURNAL (9)
  - **COLLECTION**
    - East Library (2)
    - Main Library (14)
    - North Library (10)
    - All Public Libraries (14)
    - University Library (75)
    - + more
  - **LANGUAGE**
    - English (74)
  - **PUBLISH DATE**
    - 2005 (2)
    - 2001 (2)
    - 2000 (1)
    - 1999 (2)
    - 1998 (3)
    - + more

**Searched: journal of ecology (1- 25 of 81)**

Sorted by [Relevance](#) | [Title](#) | [Date](#) 1 2 3 4 [next](#)

 (1 - 5) Most Relevant


---

**The journal of ecology** 1913  
Oxford [etc.] Blackwell Scientific Publ. 

▼ [Available Online](#)

<input checked="" type="checkbox"/> <a href="#">JSTOR</a>	Mar. 01, 1913- Dec. 31, 2002
<input checked="" type="checkbox"/> <a href="#">Synergy</a>	volume86:issue1 (Jan. 01, 1998)-
<input checked="" type="checkbox"/> <a href="#">Academic Search Elite</a>	Mar. 01, 1985- Oct. 04, 2005
<input checked="" type="checkbox"/> <a href="#">Electronic Collections Online</a>	volume85:issue1 (Jan. 01, 1997)- volume94:issue5 (Dec. 31, 2006)


---

**African journal of ecology** 

▼ [Available Online](#)

<input checked="" type="checkbox"/> <a href="#">Synergy</a>	volume34:issue2 (Jan. 01, 1996)-
<input checked="" type="checkbox"/> <a href="#">Electronic Collections Online</a>	volume35:issue1 (Jan. 01, 1997)- volume44:issue3 (Dec. 31, 2006)


---

**Australian Journal of Ecology** 

▼ [Available Online](#)

<input checked="" type="checkbox"/> <a href="#">Electronic Collections Online</a>	volume24:issue1 (Jan. 01, 1999)- volume24:issue6 (Dec. 31, 1999)
---	--


---

**Acta oecologica-international journal of ecology** 

**Popular Choices:**

- [Acta oecologica-international journal of ecology](#)
- [African journal of ecology](#)
- [Australian journal of ecology](#)

**Other Sources:**

 [\(Show 308 results\)](#)

**Refine by Tag:**

- animal ecology
- animal populations
- biological diversity
- birds
- black bear ecology
- electronic journals
- forest birds
- forest ecology
- mallard
- mammal populations

Done

Done

Done

Open Notebook

## Library Catalog

bermuda tourism

Anywhere

Search

☐ Search within results [Start Over](#)

## Expand Your Search

Send search to:

Search

## Your Current Search

RSS

## Anywhere

'bermuda tourism'

## Refine Your Search

☐ Currently available

## Subject

Tourism (3)  
 Management (1)  
 Economic aspects (1)  
 Tourist trade (1)  
 Islands (1)

[Show more](#)

## Call Number Location

G - Geography, Anthropology,  
 Recreation (3)  
 T - Technology, (1)

## Library

D.H. Hill (2)  
 Natural Resources (3)

Results 1 - 5 of 5

[Brief View](#) | [Full View](#)Sort By: [Relevance](#)1. **Practicing responsible tourism : international case studies in tourism planning, policy, and development**

Published: c1996.

Format: Book

**Natural Resources Library**

Stacks

G155 .A1 P69 1996

Available

2. **Island tourism : management principles and practice**

Published: c1995.

Format: Book

**Natural Resources Library**

Stacks

G155 .A1 C65 1995

Available

3. **Economic and management methods for tourism and hospitality research**

Author Baum, Thomas.

Published: c1999.

Format: Book

**Natural Resources Library**

Stacks

TX911.3 .M27 B38 1999

Available

4. **Cruise ship tourism**

## NCSU LIBRARIES

- ▼ SEARCH THE COLLECTION
- ▼ BROWSE SUBJECTS
- ▼ SERVICES
- ▼ LIBRARY INFORMATION
- ▼ COMMUNITY
- ▼ NEWS & EVENTS

**MY LIBRARY:** [Library Account](#) | [My Course Reserves](#) | [My Alerts](#) | [RefWorks](#)☒ QuickSearch:  [FAQ](#) | [Site Index](#) | [- Most Used -](#) ☒ Search the Collection

## JOURNALS

## Journal or Magazine:

☐ Title begins with ☐ Anywhere in title

or

## Browse Journals by Title

0-9	A	B	C	D	E	F	G	H	I	J	K	L	M
N	O	P	Q	R	S	T	U	V	W	X	Y	Z	

Scottish Journal of Geology

**Online:** Available from 2002.[Conditions of Use](#)  
[Off-campus Access](#)



[Acorn and TVNews](#)

[Articles and Databases](#)

# DiscoverLibrary

bermuda tourism

GO

Look for my query :  that contain my query words

In

[My Preferences](#)

[Advanced Search](#)

Hello, Guest

Sign in to have full access to keep things.

e-Shelf

Why sign in?

## results for Entire Local Repository

RSS

5 results, sorted by:

Show only:

- 1 **Bermuda / Strikes** (View details)  
NBC Lee McCarthy; Jane Pauley  
NBC Evening News for Sunday, May 03, 1981  
Vanderbilt Television News Archive 1981-05-03



☐ Add to e-Shelf

Online access may be restricted ([Get It](#))

Cover image not available

- 2 **Tourism, globalization, and development : responsible tourism planning** (View details)  
Reid, Donald G.  
Pluto Press 2003



☐ Add to e-Shelf

Available in the library ([Get It](#))



## Refine My Results

Narrow my results by limiting the search to:

Topic:

- > **ENCYCLOPEDIAS AND DICTIONARIES** (1)
- > **ECONOMIC DEVELOPMENT** (1)
- > **TOURISM** (1)

Creator:

- > **Marquez, Laura** (1)
- > **CBS** (1)



[Home](#) [Search](#)

You are not signed in ([Sign In to WorldCat](#) or [Register](#))

Search: bermuda tourism

Libraries Worldwide (WorldCat)

Go

[Advanced Search](#)

Search results for 'bermuda tourism' limited to Libraries Worldwide (WorldCat)

Sort by: Relevance

Refine Your Search

Author

[Bermuda Islands](#) (28)  
[Un Secretariat](#) (3)  
[Publisher's Video Group](#) (3)  
[Tunbridge John](#) (2)  
[David Ogden Stiers](#) (2)  
[Show more ...](#)

Format

[Book](#) (35)  
[Visual Material](#) (21)  
• [Videocassette](#) (14)  
[Map](#) (12)  
[Serials / Magazines / Newspapers](#) (8)  
[Article](#) (8)  
[Show more ...](#)

Year

[1998](#) (6)  
[1990](#) (7)  
[1980](#) (6)  
[1988](#) (5)

Results 1-10 of about 87 (.36 seconds)




<< First < Prev 1 2 3 [Next](#) >

[Select All](#)

[Clear All](#)

Save to: [\[New List\]](#)

Save

- ☐ 1. [The Earthscan reader in sustainable tourism](#)  
by Lesley A France  
Language: English Type:  Book  Internet Resource  
Publisher: London : Earthscan, 1997.  
Held by: University of Washington Libraries
- ☐ 2. [Bermuda, tourism and the visiting cruise sector: Strategies for sustained growth](#)  
by C Dale; N Robinson  
Language: English Type:  Article  
Publication: JOURNAL OF VACATION MARKETING, 5, no. 4, (1999): 333-339  
Database: British Library Serials  
Held by: University of Washington Libraries
- ☐ 3. [Bermuda handy reference map.](#)  
by Bermuda Islands. Dept. of Tourism.  
Language: English Type:  Map  
Publisher: [Hamilton, Bermuda : Bermuda Dept. of Tourism, 1989  
Held by: University of Washington Libraries
- ☐ 4. [Importance of Tourism for the Economy of Bermuda](#)  
by R Archer

# Discovering Value

- ✓ Introduction – Industry landscape
    - Electronic Resources & ERM Systems
    - Discovery Services Platforms
  - ✓ Electronic Resources at MSU
    - Before ERM
    - Benefits of ERM
    - ERM Integration & Discovery
    - The Bottom Line
  - ✓ Systems Integration
  - ✓ Q & A
- Ted
- Nancy
- Ted
- You

# Discovering Value



Advancing Knowledge.  
Transforming Lives.



## Discovering Value

Discovery Services and ERM  
Systems Together



# Discovering Value

- ✓ Introduction – Industry landscape

- Electronic Resources & ERM Systems

- Discovery Services Platforms

- ✓ Electronic Resources at MSU

- Before ERM

- Benefits of ERM

- ERM Integration & Discovery

- The Bottom Line

- ✓ Systems Integration

- ✓ Q & A

➤ Ted

➤ Nancy

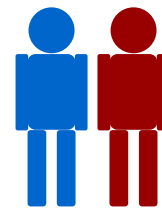
➤ Ted

➤ You

# Discovering Value – Integration Issues

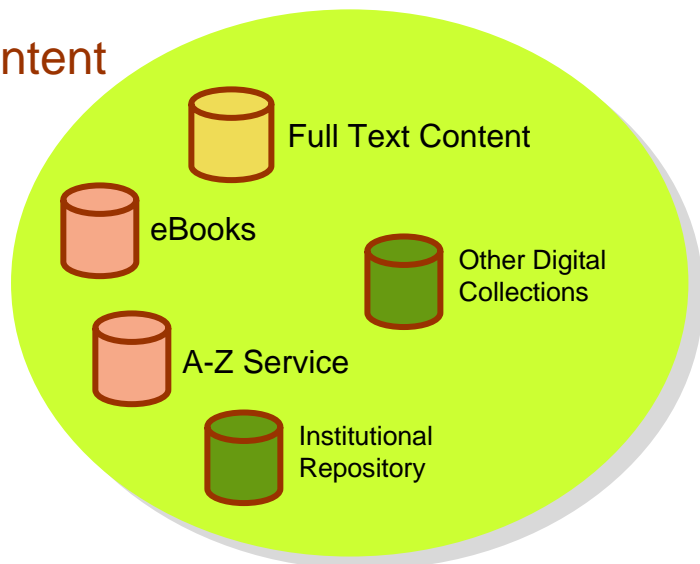
- ✓ Integrating ERM systems with Discovery Systems
  - Web OPAC
  - Discovery Services Platforms
  - A-Z List
  - Search Engines
    - Google Scholar
  
- ✓ What Helps:
  - APIs
  - ILS Integration

# The Integration Challenge



Staff/Patron User

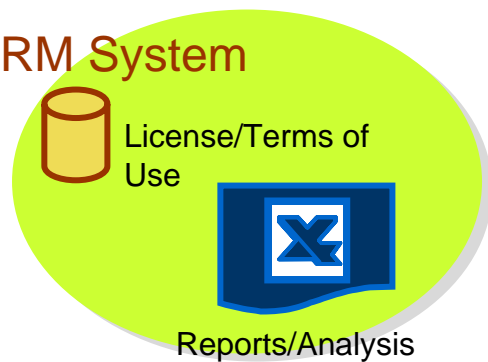
## Content



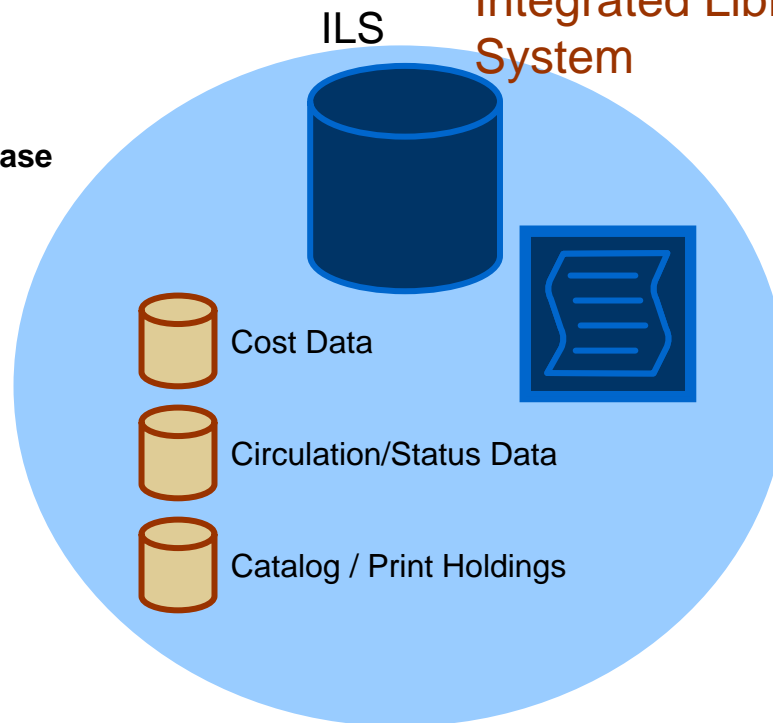
## Link Resolver



## ERM System

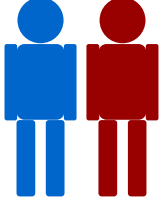


## Integrated Library System

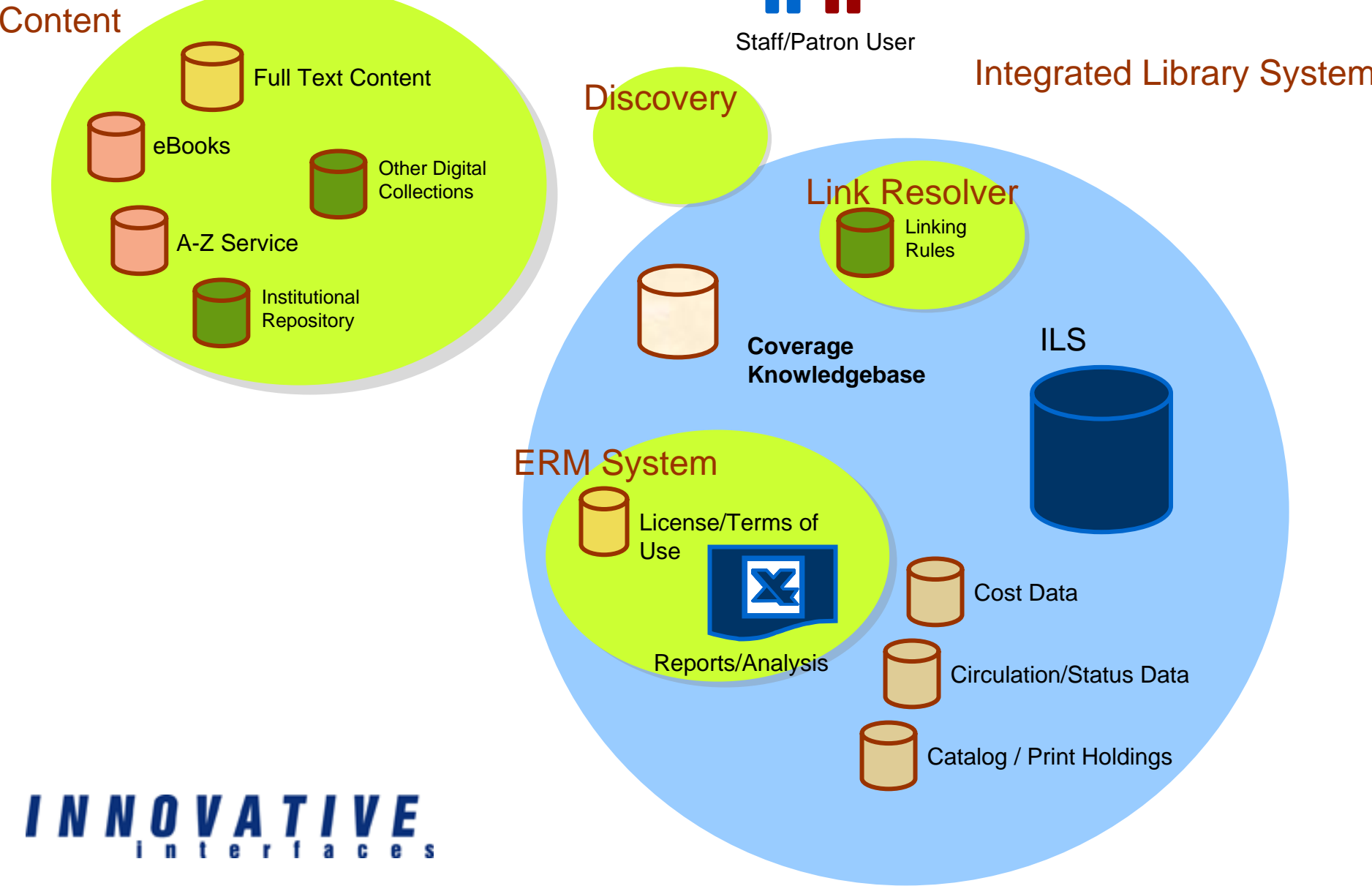


**INNOVATIVE**  
i n t e r f a c e s

# The Integration Challenge – A Perfect Model

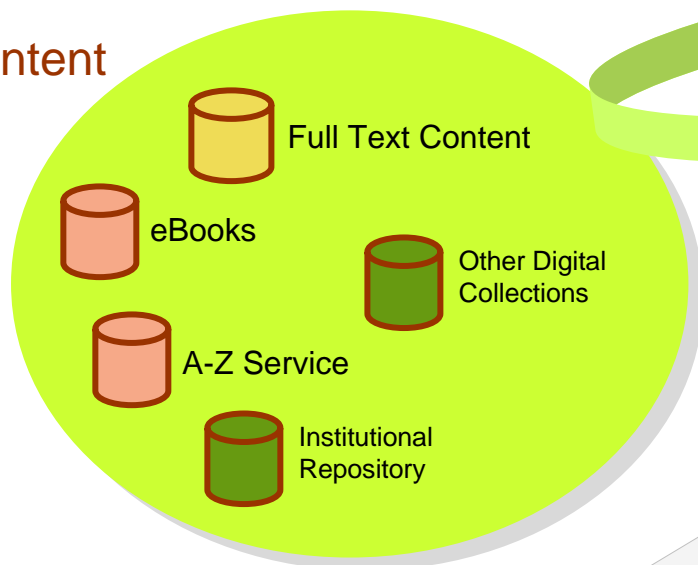


Staff/Patron User

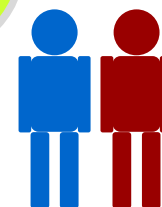


# The Integration Challenge – Practical Solutions

## Content



## Discovery Middle Tier



Staff/Patron User

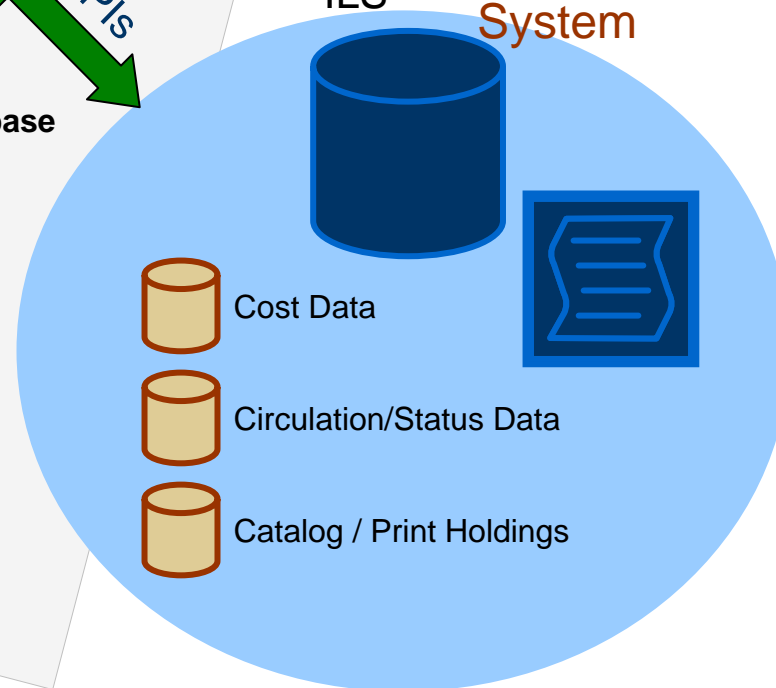


## Link Resolver

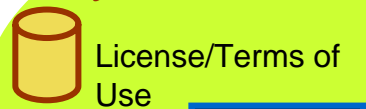


ILS

## Integrated Library System



## ERM System



Reports/Analysis

**INNOVATIVE**  
i n t e r f a c e s

# Discovering Value

- ✓ Introduction – Industry landscape

- Electronic Resources & ERM Systems

- Discovery Services Platforms

- ✓ Electronic Resources at MSU

- Before ERM

- Benefits of ERM

- ERM Integration & Discovery

- The Bottom Line

- ✓ Systems Integration

- ✓ Q & A

➤ Ted

➤ Nancy

➤ Ted

➤ You

# Discovering Value

## Questions?

**Ted Fons**

tfons@iii.com

**Nancy Fleck**

fleckn@mail.lib.msu.edu