

# WELCOME

---

Standardized Usage Statistics Harvesting  
Initiative (SUSHI) Webinar

May 17, 2006, 11-12:00 EDT

*Introduction to SUSHI  
for Librarians  
and Content Providers*

# SPONSORS

---

This webinar is brought to you free of charge through the generous sponsorship of

EBSCO Information Services  
Ex Libris  
Serials Solutions  
Swets Information Services  
Thomson Scientific

# Adam Chandler

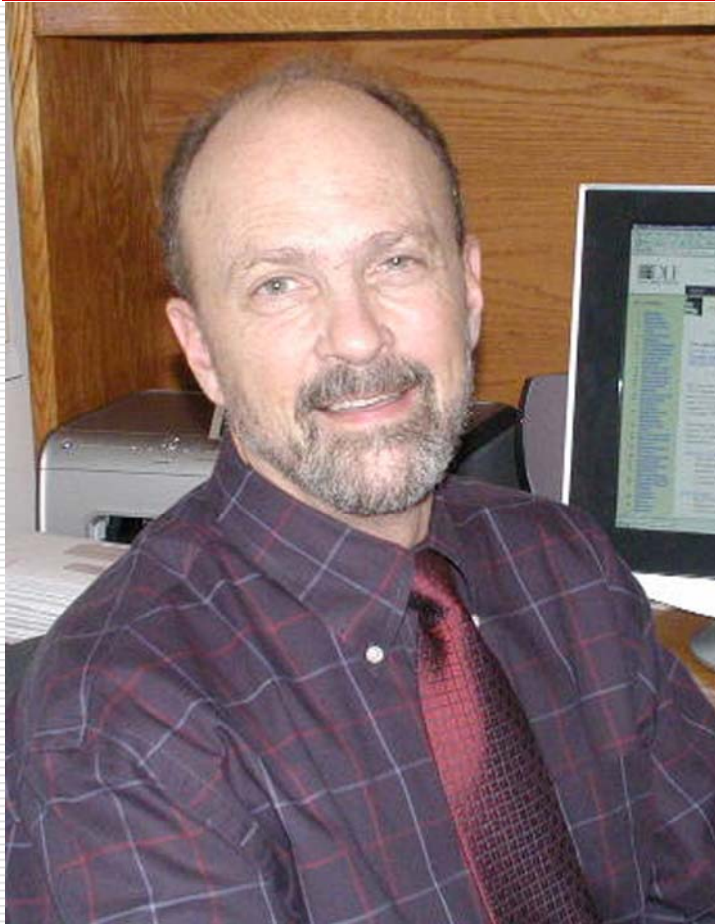
Cornell University

Adam Chandler is Information Technology Librarian in the Library Technical Services department of the Cornell University Library, where his responsibilities include creation of new automated technical services processes, participation in library-wide technology initiatives, and management of the department's computers. For the last several years he has served on the Digital Library Federation (DLF) Electronic Resource Management Initiative (ERMI) Steering Group. He is co-chair of the NISO SUSHI Steering Group.



# Tim Jewell

University of Washington



Tim Jewell is Director of Information Resources, Collections and Scholarly Communication with the University of Washington Libraries, where he has worked since 1983. He has been responsible for coordination of electronic resources there for more than 10 years, and has been active in several consortia. In 2001, he and Adam Chandler created the "Web Hub for Developing Administrative Metadata for Electronic Resource Management," and soon after that he began coordinating the DLF's highly successful Electronic Resource Management Initiative. He is now coordinating phase 2 of that project, and is a member of the related SUSHI Steering Group.

# Phil Davis

Cornell University

---

Philip Davis is a Life Sciences Librarian at Cornell University. He has been responsible for selecting books and journals, licensing electronic journals and databases, and directing journal cancellation projects. He serves on the executive board of Project COUNTER, and participates on the editorial boards of College & Research Libraries and Portal. He was a principal author of the Cornell University Library Open Access Report, and lead investigator in reporting the unethical republishing practices of Emerald. In 2004 he was named a "Mover and Shaker" by Library Journal. This summer, Phil will be leaving his position at the library to pursue his PhD in Scientific Communication.



# ABOUT NISO

---

NISO fosters the development and maintenance of standards that facilitate the creation, persistent management, and effective interchange of information so that it can be trusted for use in research and learning.

To fulfill this mission, NISO works with intersecting communities of interest and across the entire life cycle of an information standard. NISO is a not-for-profit association accredited by the American National Standards Institute (ANSI).

Pat Stevens, Interim Executive Director

1-301-654-2512

[www.niso.org](http://www.niso.org)

**Please take the survey at the conclusion of the webinar.**



# Q&A

---

THESE INSTRUCTIONS WILL BE ADDED BY WEBEX.

# Introduction to SUSHI for Librarians and Content Providers

---

Adam Chandler, Cornell University

Phil Davis, Cornell University

Tim Jewell, University of Washington

NISO Webinar

May 17, 2006





# Overview

---

## □ Background

- E-Resource Management Initiative
- COUNTER (Release 2)

## □ With standards there are still problems

## □ SUSHI

- Objective
- The working group
- The technology

# The DLF Electronic Resource Management Initiative: "ERMI"

---

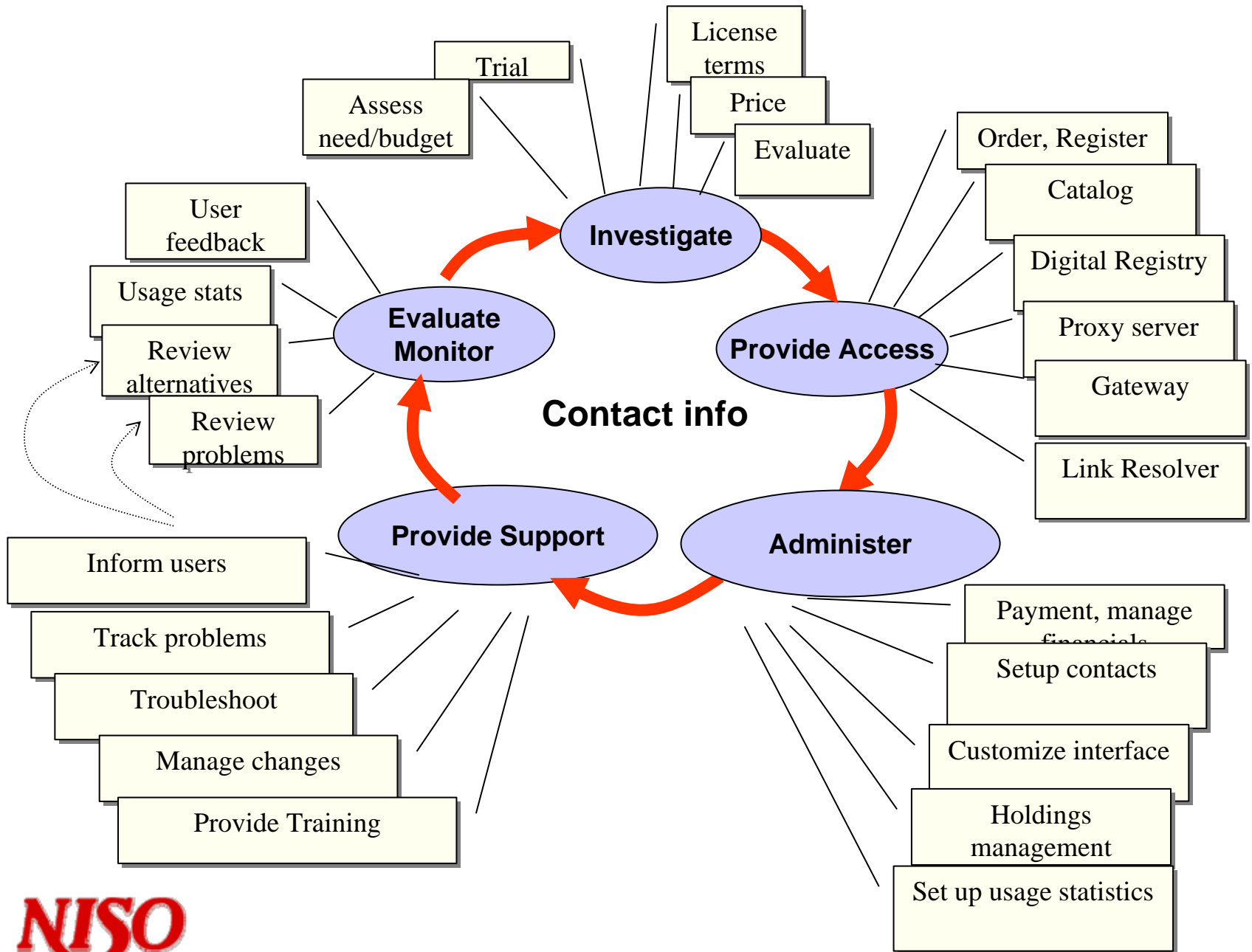
The image shows the cover of a report. The background is a light olive green with a faint, stylized circuit board pattern on the right side. The title is in large, bold, white sans-serif font. Below the title is the subtitle in a smaller, bold, dark purple sans-serif font. At the bottom left, the date and authors are listed in a smaller, dark purple sans-serif font.

## Electronic Resource Management:

### Report of the DLF Electronic Resource Management Initiative

August 2004

Timothy D. Jewell, Ivy Anderson, Adam Chandler,  
Sharon E. Farb, Kimberly Parker, Angela Riggio, and  
Nathan D. M. Robertson



# DLF “ERMI”: Phase I

---

- Detailed ERM functional requirements, data dictionary, etc. (completed 2004)
- Excellent response from vendors and libraries
- Some (but small) attention to usage data
  - Recognized scope of problem, standards-related issues
  - Looked toward COUNTER development as a way forward

# DLF ERMI: Phase II

---

- Data Standards
  - Data Dictionary revision
  - License Expression Standards
- Professional Training in License Term Mapping (ARL/DLF collaboration)
- E-Resource Usage Statistics
  - Protocol for automated delivery
  - Statement of functional requirements
  - COUNTER is key to both

- ❑ Non-profit organization includes librarians, publishers and aggregators
- ❑ Lead in the standardization of usage
  - How use is counted
  - How use is reported
- ❑ “Consistent, credible, comparable”

<http://www.projectcounter.org/>

# COUNTER Code of Practice

---

- Code of Practice first released Jan 2003
- Release 2 released Jan 2006
- Code of Practice Addresses:
  - Terminology
  - Layout and format of reports
  - Processing of usage data
  - Delivery of reports

[http://www.projectcounter.org/code\\_practice.html](http://www.projectcounter.org/code_practice.html)

# COUNTER Usage Reports

---

## **Journal Reports:**

- JR1: Full Text Article Requests by Month and Journal
- JR2: Turnaways by Month and Journal

## **Database Reports:**

- DB1: Total Searches and Sessions by Month and Database
- DB2: Turnaways by Month and Database
- DB3: Searches and Sessions by Month and Service

## **Books and Reference Works:**

- Title Requests, Section Requests, Searches and Turnaways



# Explicit report layout – “consistent”

1. **Cell A1** contains the text “Journal Report 1(R2)”
2. **Cell B1** contains the text “Number of Successful Article Requests by Month and Journal”
3. **Cell A2** contains the “criteria” as defined in the COP (eg “NorthEast Research Library Consortium” or “Yale University”)
4. **Cell A3** contains the text “Date run:”
5. **Cell A4** contains the date that the report was run in yyyy-mm-dd format. For example, a report run on 12 Feb 2005 would show “2005-02-12”.
6. **Cell A5** is left blank
7. **Cell B5** contains the text “Publisher”
8. **Cell C5** contains the text “Platform”
9. **Cell D5** contains the text “Print ISSN”
10. **Cell E5** contains the text “Online ISSN”

# Journal Report 1:

Number of Successful Full-Text Article Requests by Month and Journal

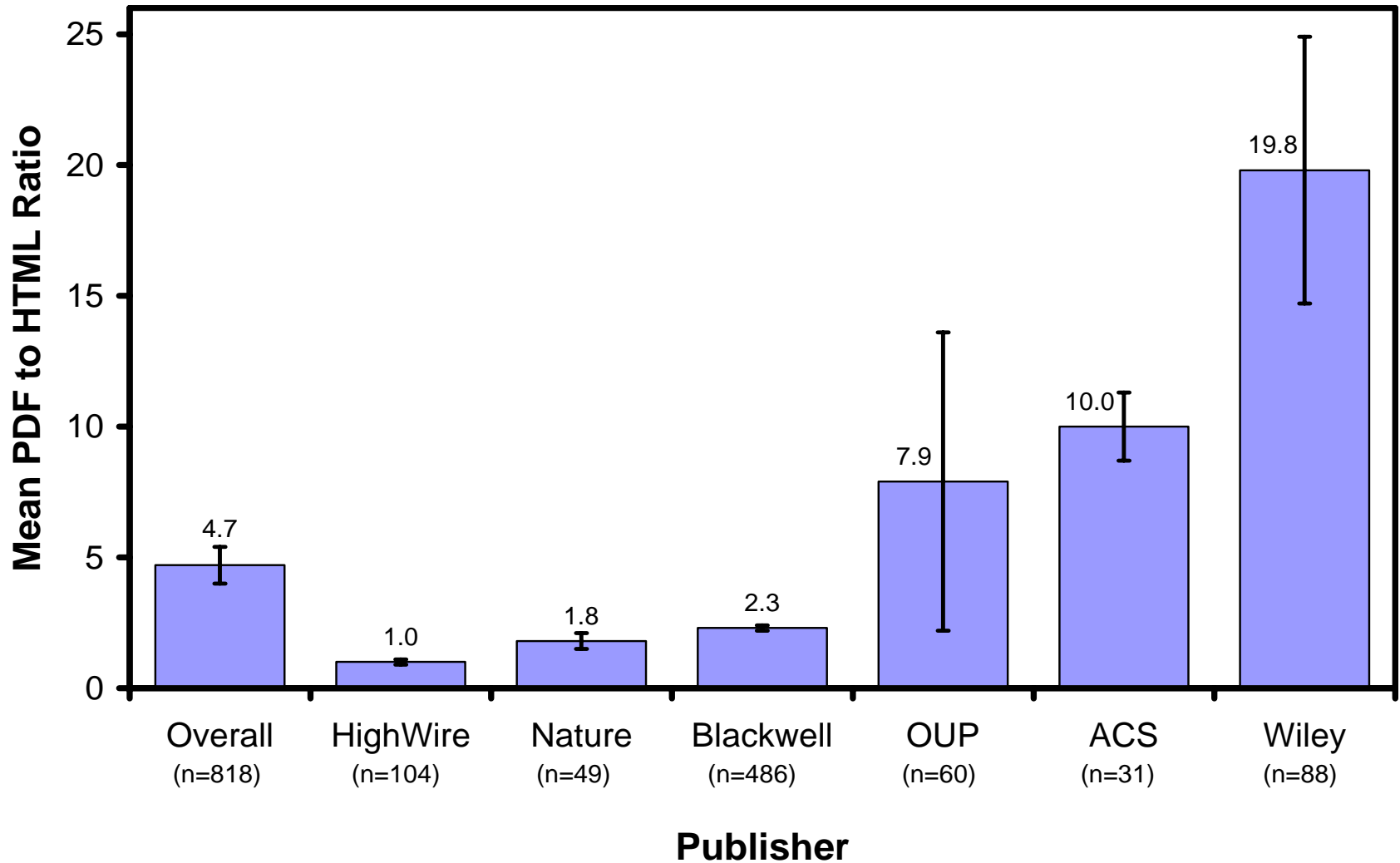
	A	B	C	D	E	F	G	H	I	J	K
1	Journal Report 1 (R2)	Number of Successful Full-Text Article Requests by Month and Journal									
2	Sample University										
3	Date run:										
4	2005-04-05										
5		Publisher	Platform	Print ISSN	Online ISSN	Jan-2005	Feb-2005	Mar-2005	YTD Total	YTD HTML	YTD PDF
6	Total for all journals		EBSCOhost			3942	10006	11093	25041	16776	9265
7	Harvard Business Review	Harvard Business	EBSCOhost	0017-8012		1117	707	702	2526	1591	935
8	Scientific American	Scientific American	EBSCOhost	0036-8733		92	230	221	543	342	201
9	Reading Teacher	International Readin	EBSCOhost	0034-0561		11	190	179	380	239	141
10	Economist	Economist Newspa	EBSCOhost	0013-0613		33	95	155	283	178	105
11	Child Development	Blackwell Publishin	EBSCOhost	0009-3920		32	68	103	203	128	75
12	American Journal of Public Hea	American Public H	EBSCOhost	0090-0036		59	48	80	187	118	69
13	Journal of Marriage & Family	Blackwell Publishin	EBSCOhost	0022-2445		32	68	195	295	186	109
14	Explicator	Heldref Publication	EBSCOhost	0014-4940		12	196	188	396	249	147
15	Sports Marketing Quarterly		EBSCOhost	1061-6934		10	121	32	163	103	60
16	Journal of Learning Disabilities	PRO-ED	EBSCOhost	0022-2194		24	122	142	288	181	107
17											

# “Credible” – COUNTER Audit

---

- Beginning 2007, an audit must be passed for a vendor's service to be compliant
- Conducted by auditor certified accountant or by organization accredited by COUNTER
- At vendor expense

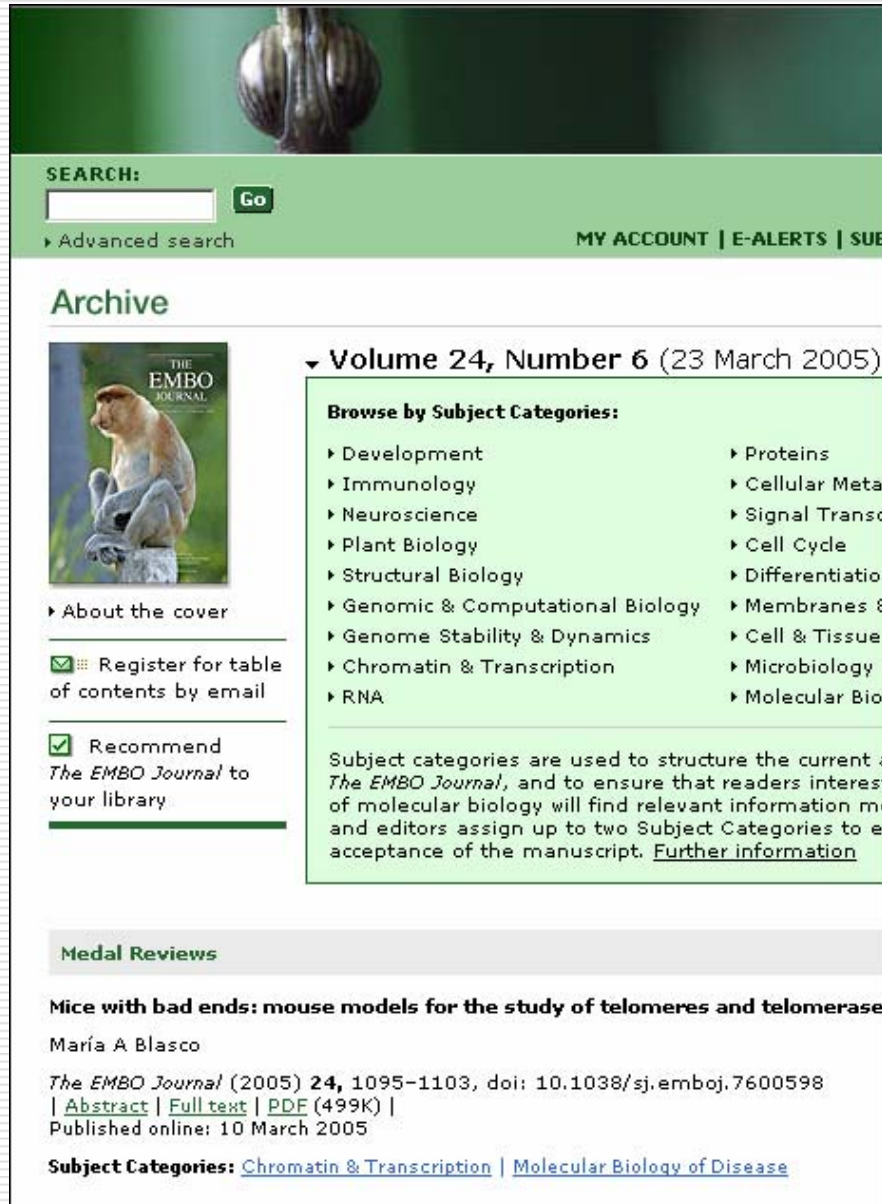
# Interface can affect usage statistics



From: Philip M. Davis and Jason S. Price. eJournal interface can influence usage statistics: implications for libraries, publishers, and Project COUNTER. *JAS/ST* (2006 in press) <http://arxiv.org/abs/cs/0602060>

# Same content yields different usage on different platforms

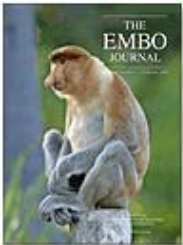
## Lesson: don't compare usage across publishers



**SEARCH:**  
   
Advanced search

MY ACCOUNT | E-ALERTS | SUB

### Archive



Volume 24, Number 6 (23 March 2005)

**Browse by Subject Categories:**

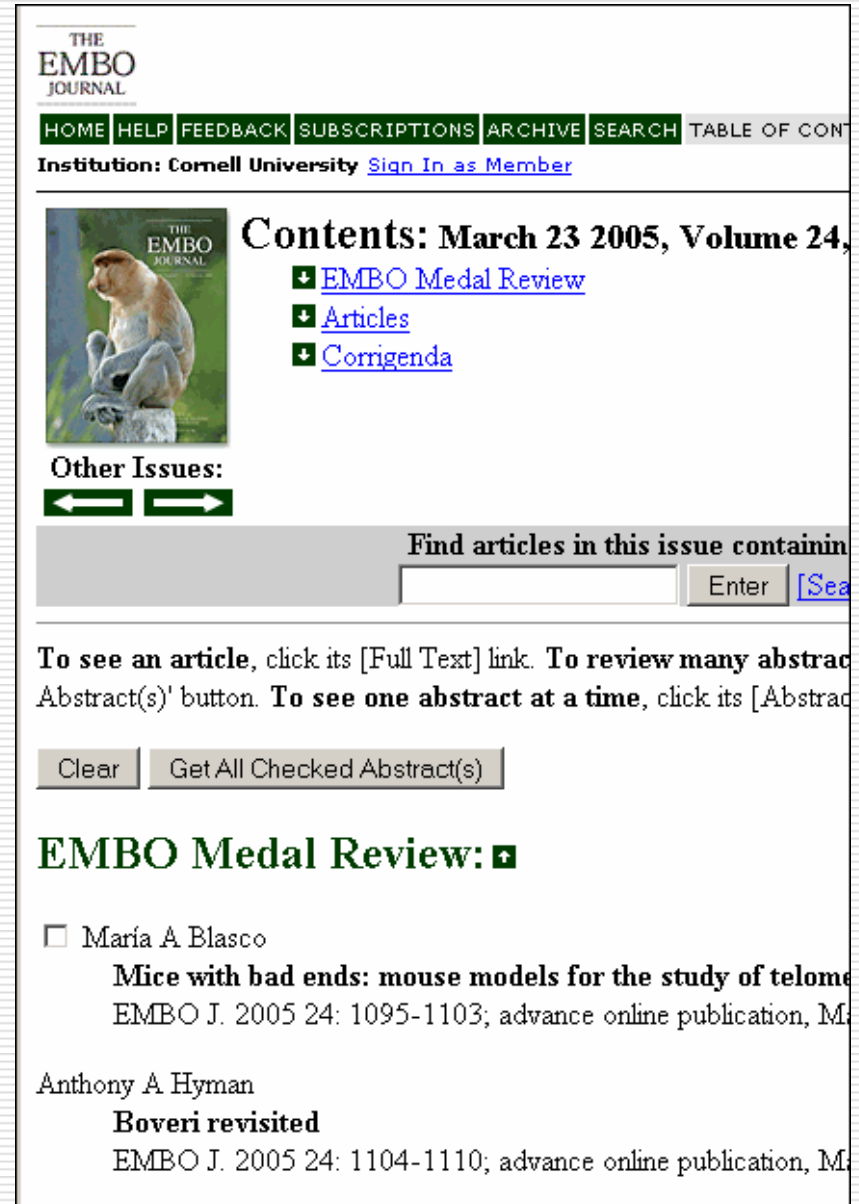
- Development
- Immunology
- Neuroscience
- Plant Biology
- Structural Biology
- Genomic & Computational Biology
- Genome Stability & Dynamics
- Chromatin & Transcription
- RNA
- Proteins
- Cellular Metal
- Signal Transd
- Cell Cycle
- Differentiation
- Membranes &
- Cell & Tissue
- Microbiology &
- Molecular Biol

Subject categories are used to structure the current *EMBO Journal*, and to ensure that readers interested in molecular biology will find relevant information more easily. Authors and editors assign up to two Subject Categories to each article. Further information on the criteria for acceptance of the manuscript. [Further information](#)

#### Medal Reviews

**Mice with bad ends: mouse models for the study of telomeres and telomerase**  
María A Blasco  
*The EMBO Journal* (2005) 24, 1095–1103, doi: 10.1038/sj.emboj.7600598  
| [Abstract](#) | [Full text](#) | [PDF \(499K\)](#) |  
Published online: 10 March 2005

**Subject Categories:** [Chromatin & Transcription](#) | [Molecular Biology of Disease](#)



THE EMBO JOURNAL

HOME | HELP | FEEDBACK | SUBSCRIPTIONS | ARCHIVE | SEARCH | TABLE OF CONTENTS

Institution: **Cornell University** [Sign In as Member](#)

### Contents: March 23 2005, Volume 24,

- EMBO Medal Review
- Articles
- Corrigenda

**Other Issues:**

Find articles in this issue containing

[Search](#)

To see an article, click its [Full Text] link. To review many abstracts, click its [Abstract(s)] button. To see one abstract at a time, click its [Abstract]

### EMBO Medal Review:

- María A Blasco  
**Mice with bad ends: mouse models for the study of telomeres and telomerase**  
*EMBO J.* 2005 24: 1095-1103; advance online publication, March 10, 2005
- Anthony A Hyman  
**Boveri revisited**  
*EMBO J.* 2005 24: 1104-1110; advance online publication, March 10, 2005

# Usage Data Problems

---

- Expanding scope of E-resources
- Data proliferation (many content providers)
- COUNTER extremely helpful, but...
  - Lack of standardized “containers”
  - Time consuming to gather, assemble, report
- Hence, SUSHI (Standardized Usage Statistics Harvesting Initiative)

# SUSHI Objectives

---

- ❑ Solve the problem of harvesting and managing usage data from a growing number of providers.
- ❑ Promote consistency in usage formatting (XML)
- ❑ Automate the process

# NISO SUSHI Working Group

---

- ❑ Adam Chandler (co-chair), Cornell
- ❑ Oliver Pesch (co-chair), EBSCO
- ❑ Ivy Anderson, California Digital Library
- ❑ Patricia Brennan, Thomson Scientific
- ❑ Ted Fons, Innovative Interfaces, Inc.
- ❑ Bill Hoffman, Swets Information Services
- ❑ Tim Jewell, University of Washington
- ❑ Ted Koppel, Ex Libris

[http://www.niso.org/committees/SUSHI/SUSHI\\_comm.html](http://www.niso.org/committees/SUSHI/SUSHI_comm.html)



# SUSHI Contributing Partners

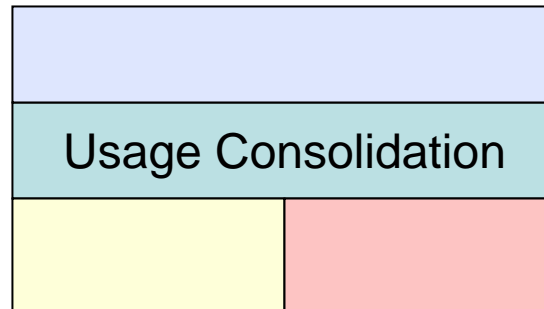
## *Founding Members:*

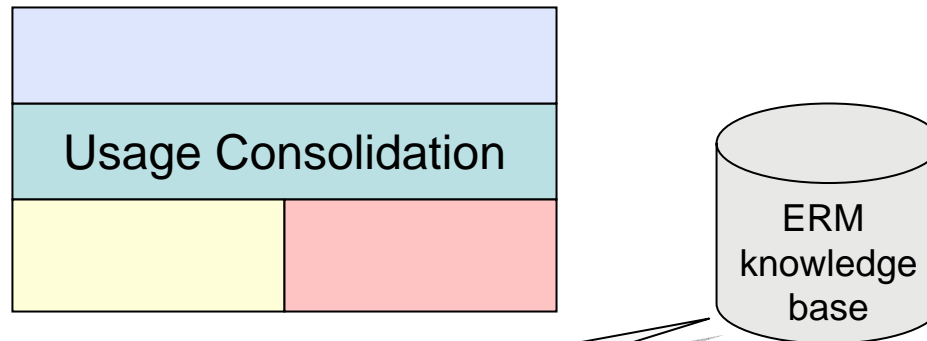
- EBSCO*
- Ex Libris*
- Innovative Interfaces, Inc.*
- Swets Information Services*
- Thomson Scientific*

## *Newer members:*

- Endeavor Information Systems*
- Florida Center for Library Automation*
- College Center for Library Automation (CCLA) from the State of Florida Community Colleges*
- Otto Harrassowitz*
- OCLC*
- Project Euclid*
- Serials Solutions*
- SirsiDynix*

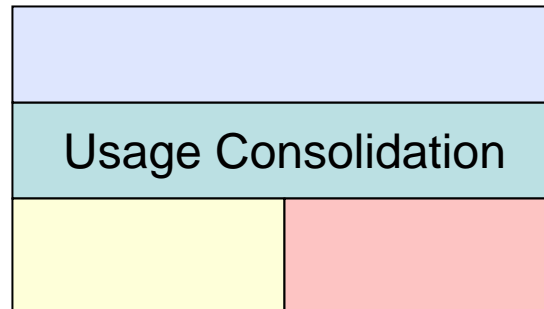
A new genre of application is being offered to assist with dealing with use statistics. Usage Consolidation software is being offered by many ILS vendors and other service providers to the library market.



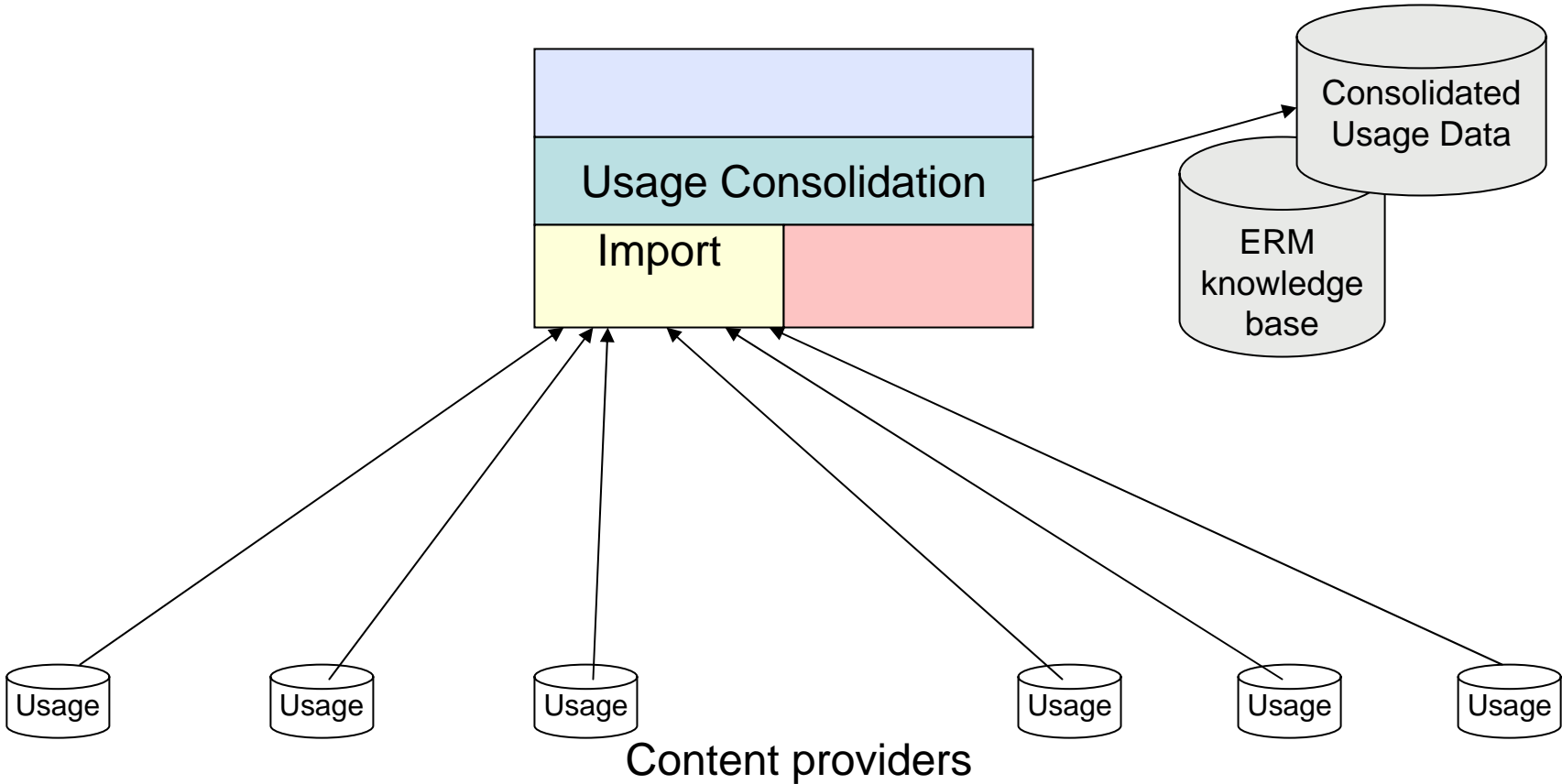


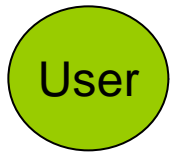
Associated with these applications will be a knowledgebase that describes the e-resources (e.g. the databases and packages the library subscribes to and the titles contained within). Frequently this is the same knowledgebase that controls a library's ERM system.

A new genre of application is being offered to assist with dealing with use statistics. Usage Consolidation software is being offered by many ILS vendors and other service providers to the library market.

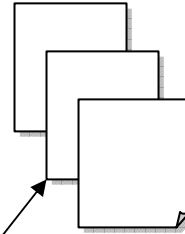


An "import" function is used to collect usage from the library's content providers and accumulated in a central data storage



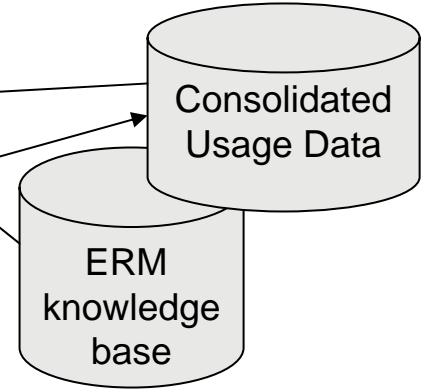
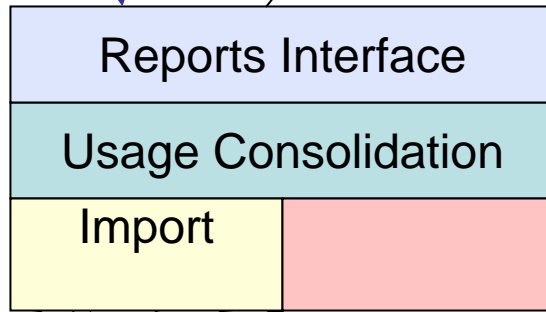


User

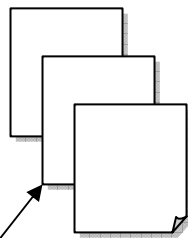
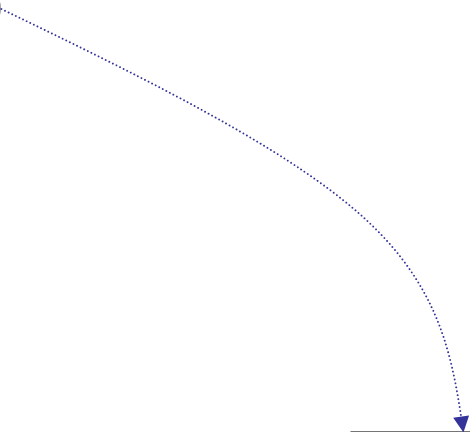
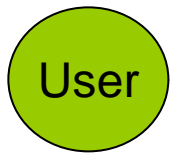


Consolidated Usage reports

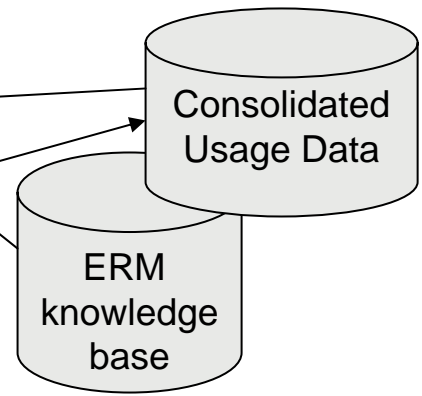
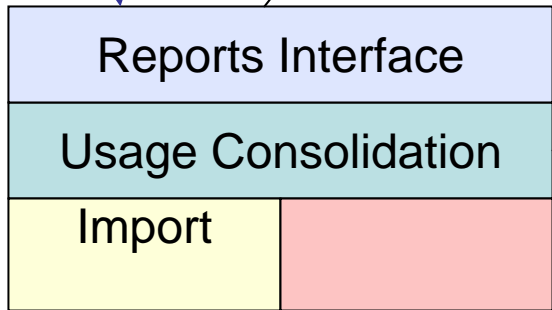
The customer uses a "Reports Interface" which connects to the knowledgebase (to select scope of report) and extracts the usage to create the consolidated reports.



Content providers



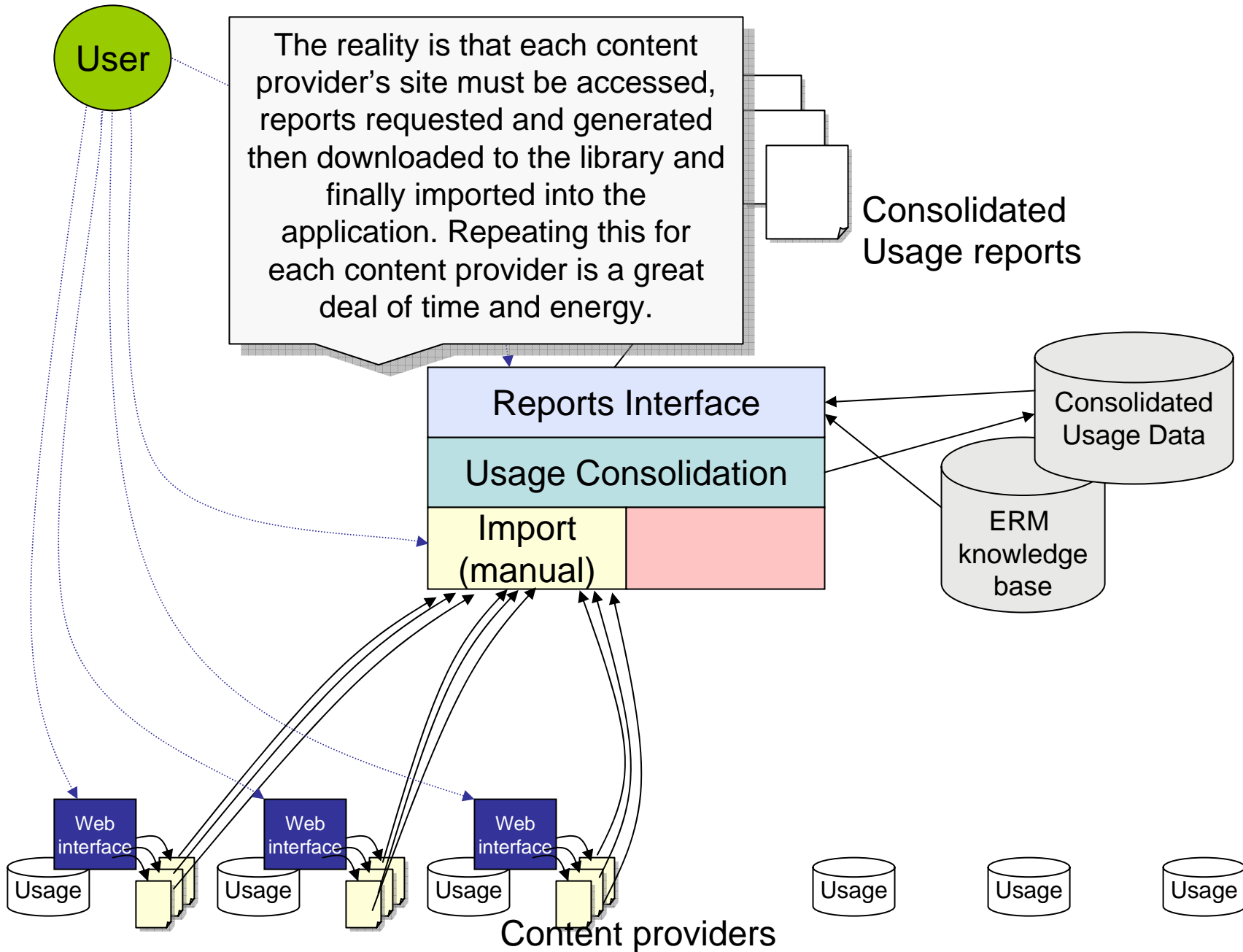
Consolidated Usage reports



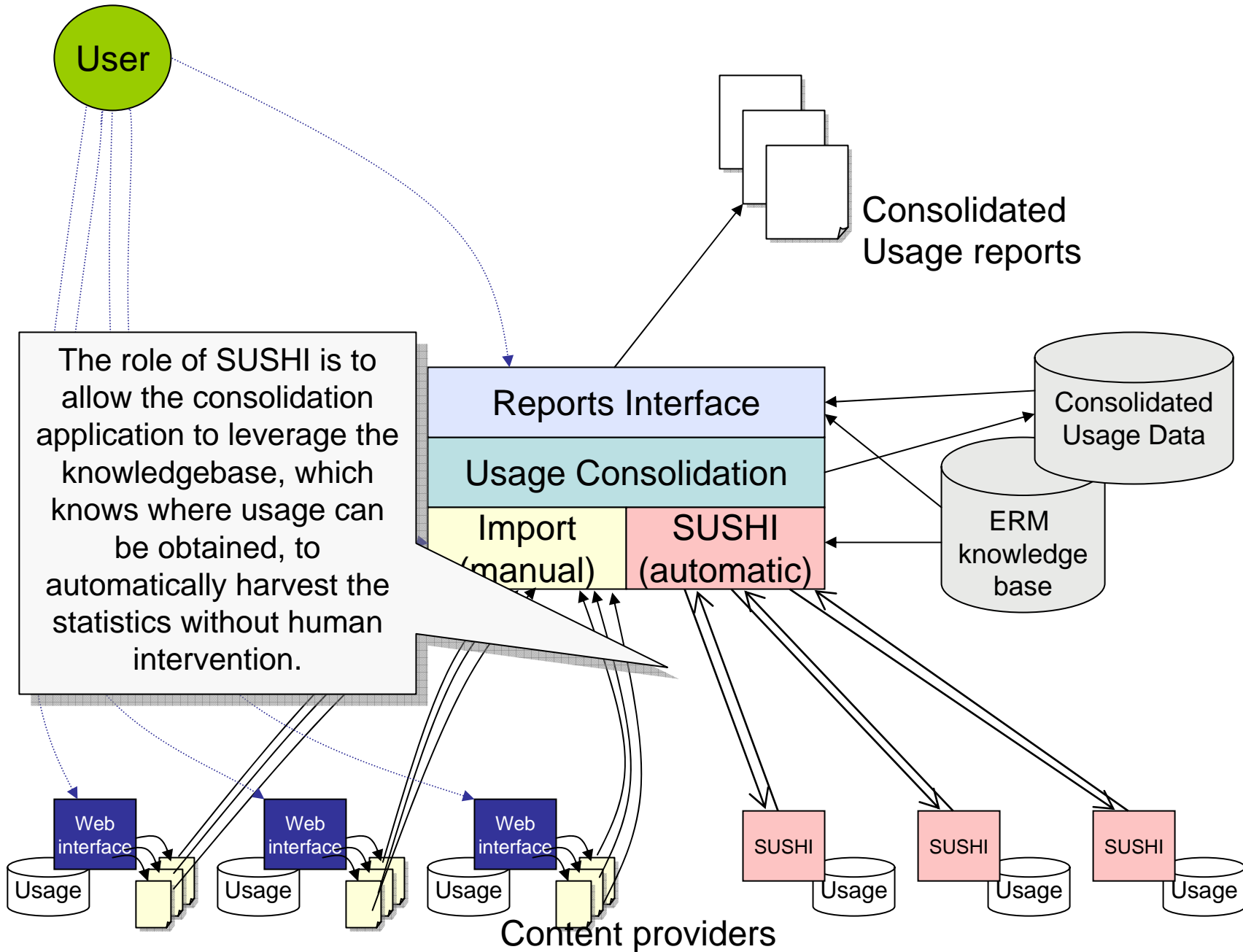
However, the act of importing is not as simple as "importing" the usage statistics from content providers



Content providers



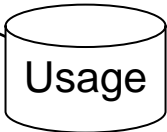


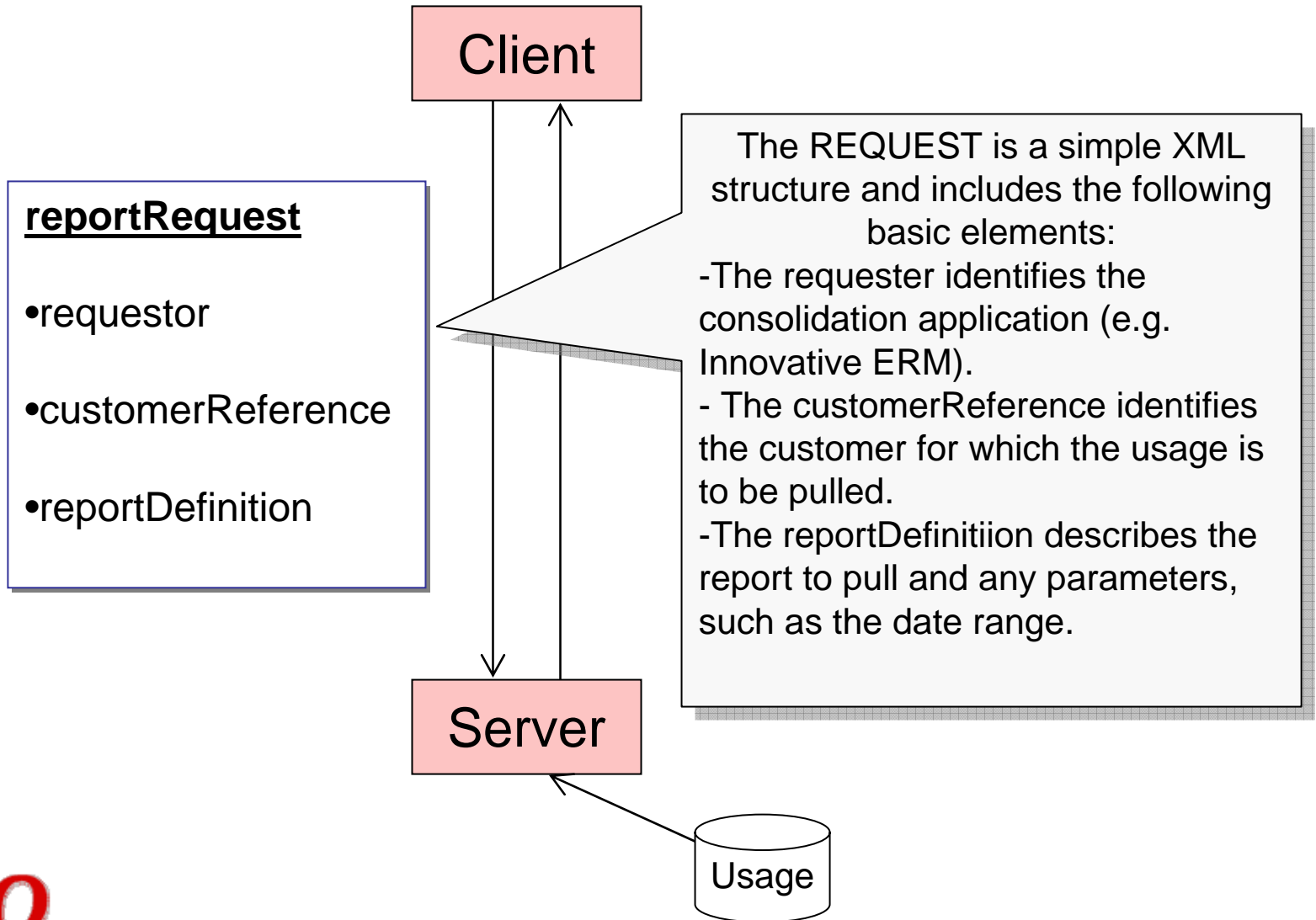


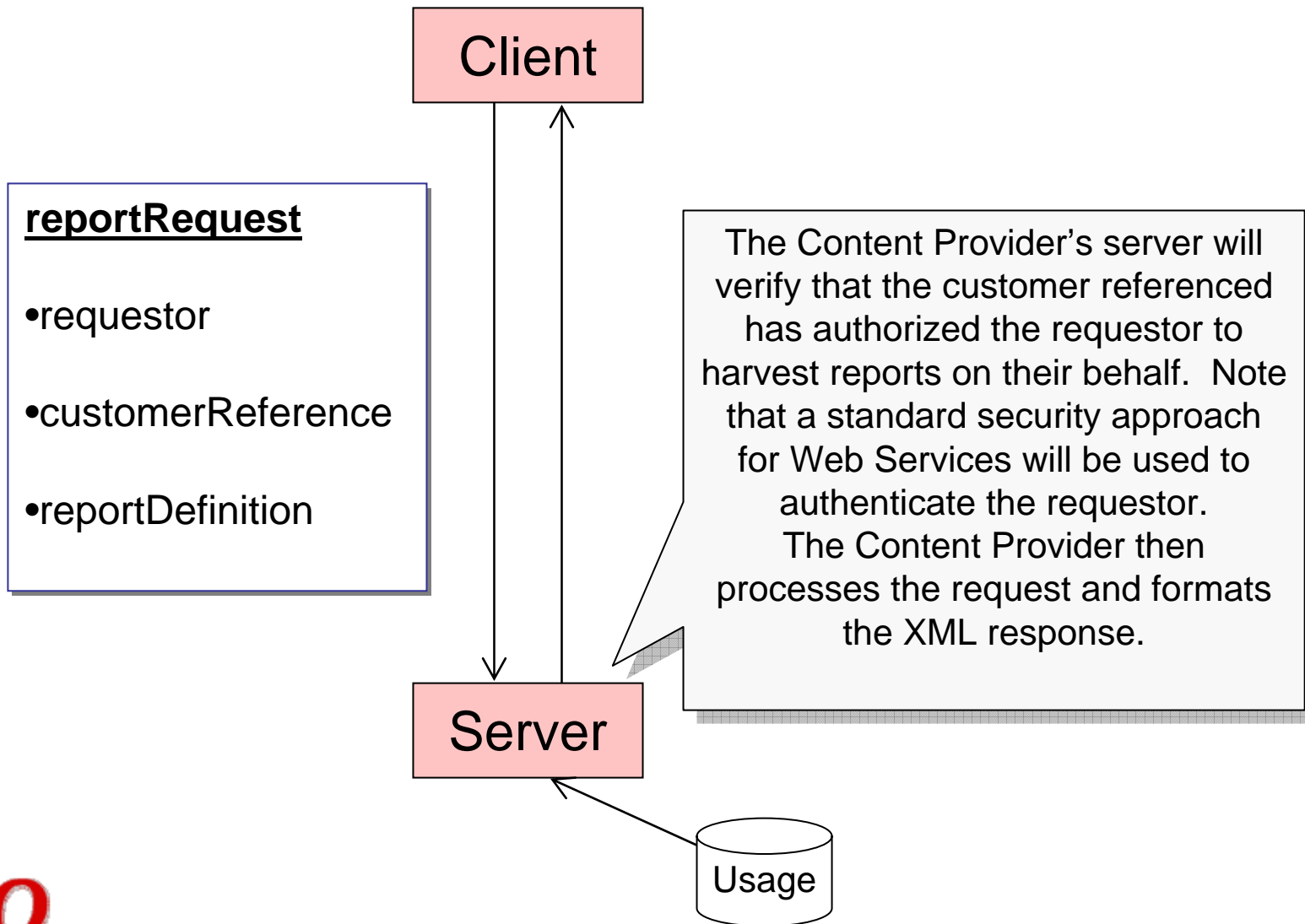
SUSHI is machine-to-machine web service. The usage consolidation application acts as the “client” and initiates a request. The content provider hosts the “server” web service which fulfills the request and returns the results.

Client

Server







The RESPONSE is an XML structure basically repeats the request (to allow the client to confirm that the response matches the request) and includes the "reports" element which encapsulates the COUNTER report.

The report itself is formatted using the official COUNTER schema for reports.

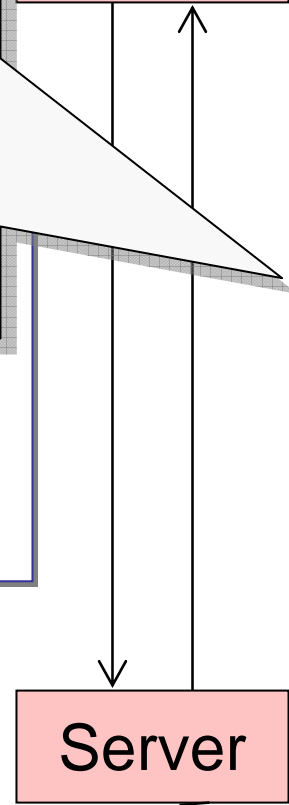
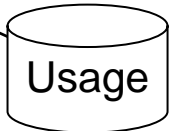
This protocol is designed to be easily extended to harvest other reports.

Client

- reportResponse
- requestor
  - customer
  - reportDefinition
  - reports

- customerReference
- reportDefinition

Server



# SUSHI Project Status

---

- Web site available

[http://www.niso.org/committees/SUSHI/SUSHI\\_comm.html](http://www.niso.org/committees/SUSHI/SUSHI_comm.html)

Overview, list of participants, toolkit, sample code, developer listserv

- Journal Report 1 Prototype done
- Security “wrapper” done
- First deployment complete
- Memorandum of Understanding between NISO and COUNTER

# SUSHI Time-line

---

- July 2005
  - Working group formed
  - Requirements drafted
  - Initial WSDL created
- Sep 2005
  - Conference call to kick-off development work
- Oct 2005
  - Initiative enters NISO standards track
  - Initiative is named SUSHI
  - Development underway at EBSCO, Swets, Innovative and Ex Libris

# SUSHI Time-line

---

- Nov 2005
  - Innovative and Ex Libris successful test pilot releases of EBSCO and Swets
- Jan 2006
  - Security layer added
- Feb 2006
  - Innovative releases version of ERM which includes SUSHI
  - NISO and COUNTER draft Memorandum of Understanding



# NISO/COUNTER 'MOU'

---

- Memorandum of Understanding (draft)
  - NISO/SUSHI will act as maintenance agency for COUNTER XML Schema
  - COUNTER remains in control of COUNTER Guidelines
  - Vendor's SUSHI compliance will be reflected on COUNTER website
- Draft MOU will be presented to COUNTER Executive Committee in April 2006

# SUSHI Next Steps

---

- ❑ Publicize, push for adoption by data providers
- ❑ Write NISO “Draft Standard for Trial Use”
- ❑ Conduct a series of Web-based seminars to promote and educate
- ❑ Organize NISO-sponsored stakeholder meeting (late 2006) to gather input from trial use
- ❑ Revise draft into “real standard”
- ❑ Expand scope beyond Journal Report 1 (Database Reports likely next)
- ❑ Seek endorsement by library community to expect SUSHI compliance from content providers

# Summary of Resources

---

## □ Project COUNTER

- <http://www.projectcounter.org>

## □ COUNTER Auditing Requirements and Tests

- [http://www.projectcounter.org/r2/R2\\_Appendix\\_E\\_Auditing\\_Requirements\\_and\\_Tests.pdf](http://www.projectcounter.org/r2/R2_Appendix_E_Auditing_Requirements_and_Tests.pdf)

## □ SUSHI Web Site

- [http://www.niso.org/committees/SUSHI/SUSHI\\_comm.html](http://www.niso.org/committees/SUSHI/SUSHI_comm.html)

## □ JURO: Journal Usage Report Online

- <http://hkiug.ln.edu.hk/meetings/am2005/presentations/9-juro.ppt#1>