

# CALIS CARSI与DRAA USSEER服 务

崔晓松 深圳大学  
2014年5月 哈尔滨

CERNET Authentication and Resource Sharing Infrastructure  
教育科研网统一认证和资源共享基础设施

# CALIS CARSI服务

# CARSI—CERNET身份联盟



- CERNET Authentication and Resource Sharing Infrastructure  
教育科研网统一认证和资源共享基础设施
- 国家下一代互联网专项CNGI  
国家高技术研究发展计划863  
国家重大基础研究计划973
- 以Internet2的Shibboleth项目为基础
- 牵头单位
  - 北京大学
- 成员单位
  - 2008年, 4个
  - 2012年底, 30个

- 合作方

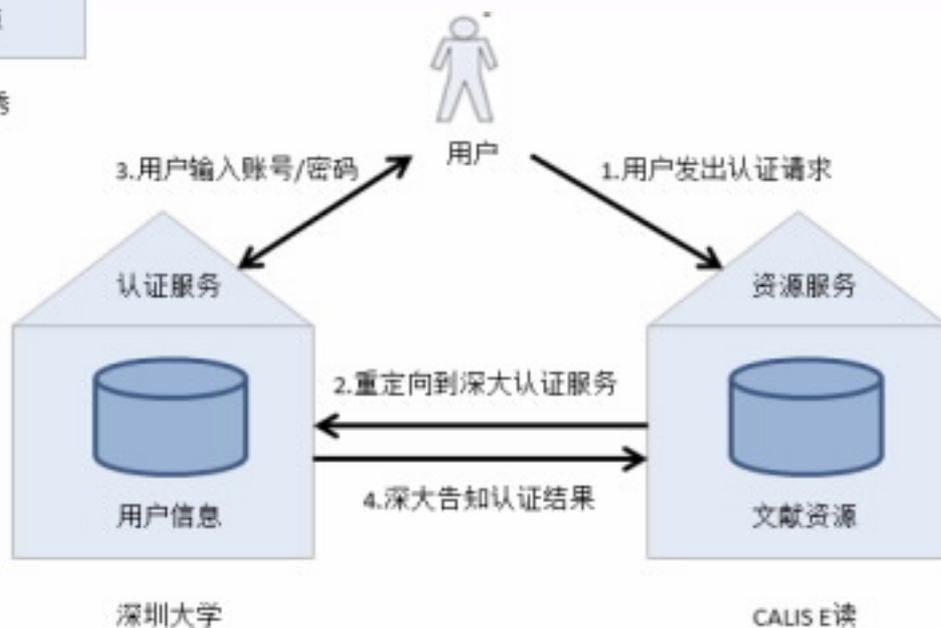
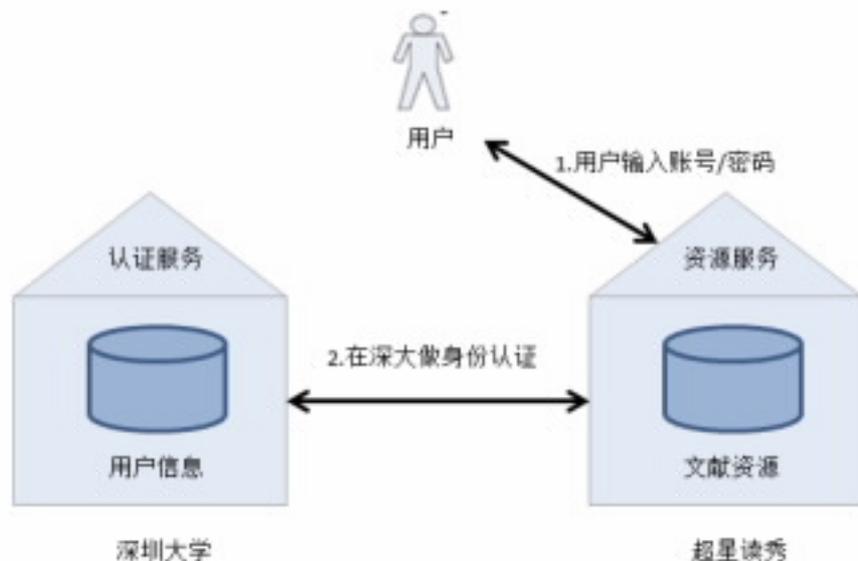
- 高校图书馆数字资源采购联盟(DRAA)
- 中国高等教育文献保障系统(CALIS)
- CERNET身份联盟(CARSI)

- 目的

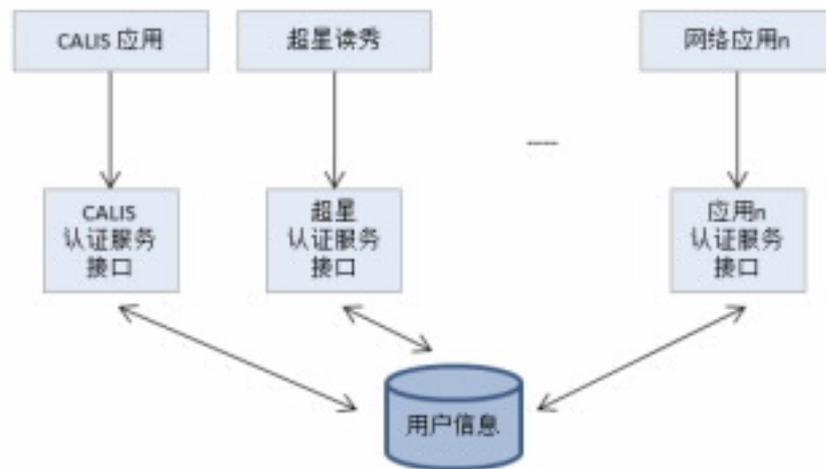
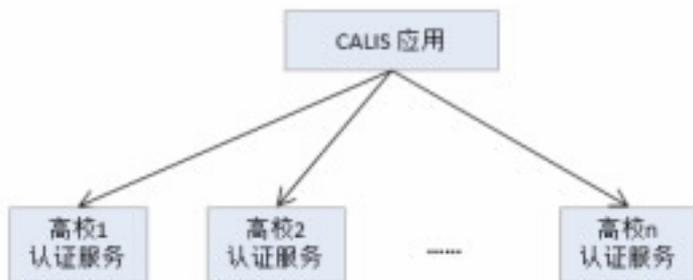
- 为高校图书馆提供图书馆读者在校外以实名方式登录和访问商业数据库的身份认证服务。

- 身份认证 Identity Authentication
  - 判断一个用户是否为合法用户的处理过程
- 统一身份认证 Uniform Identity Authentication
  - 多个应用系统共用一个身份认证
  - 如, 校园卡统一认证
- 联合身份认证 Federated Identity Authentication
  - 一个应用系统连接多个身份认证
  - 如, CALIS E读、超星读秀
- 单点登录 Single Sign On
  - 在多个应用系统中, 用户只需要登录一次就可以访问所有相互信任的应用系统。

# 联合认证



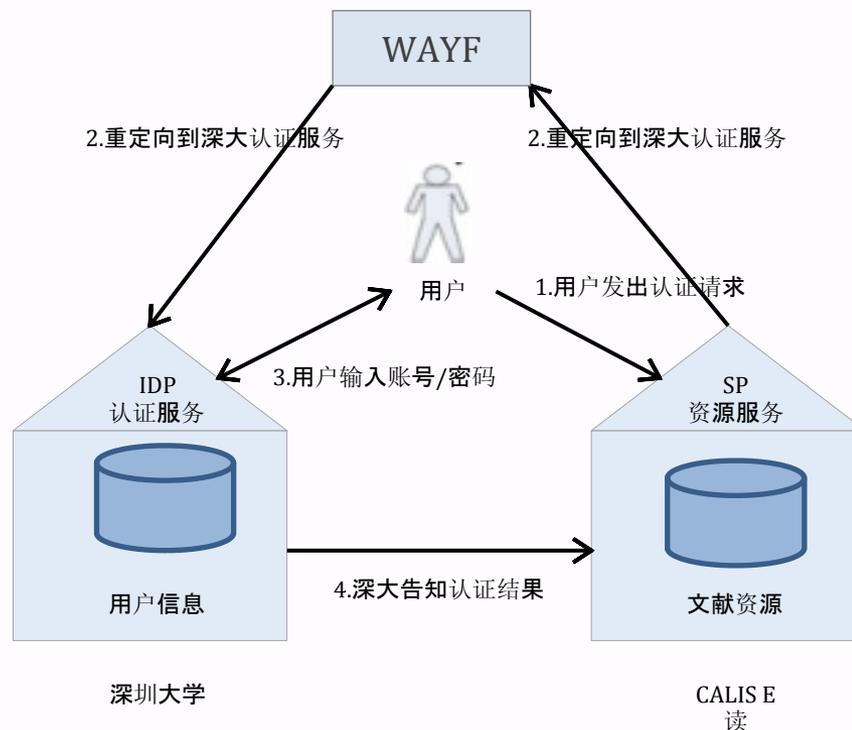
- 从CALIS的角度看



- 从学校的角度看

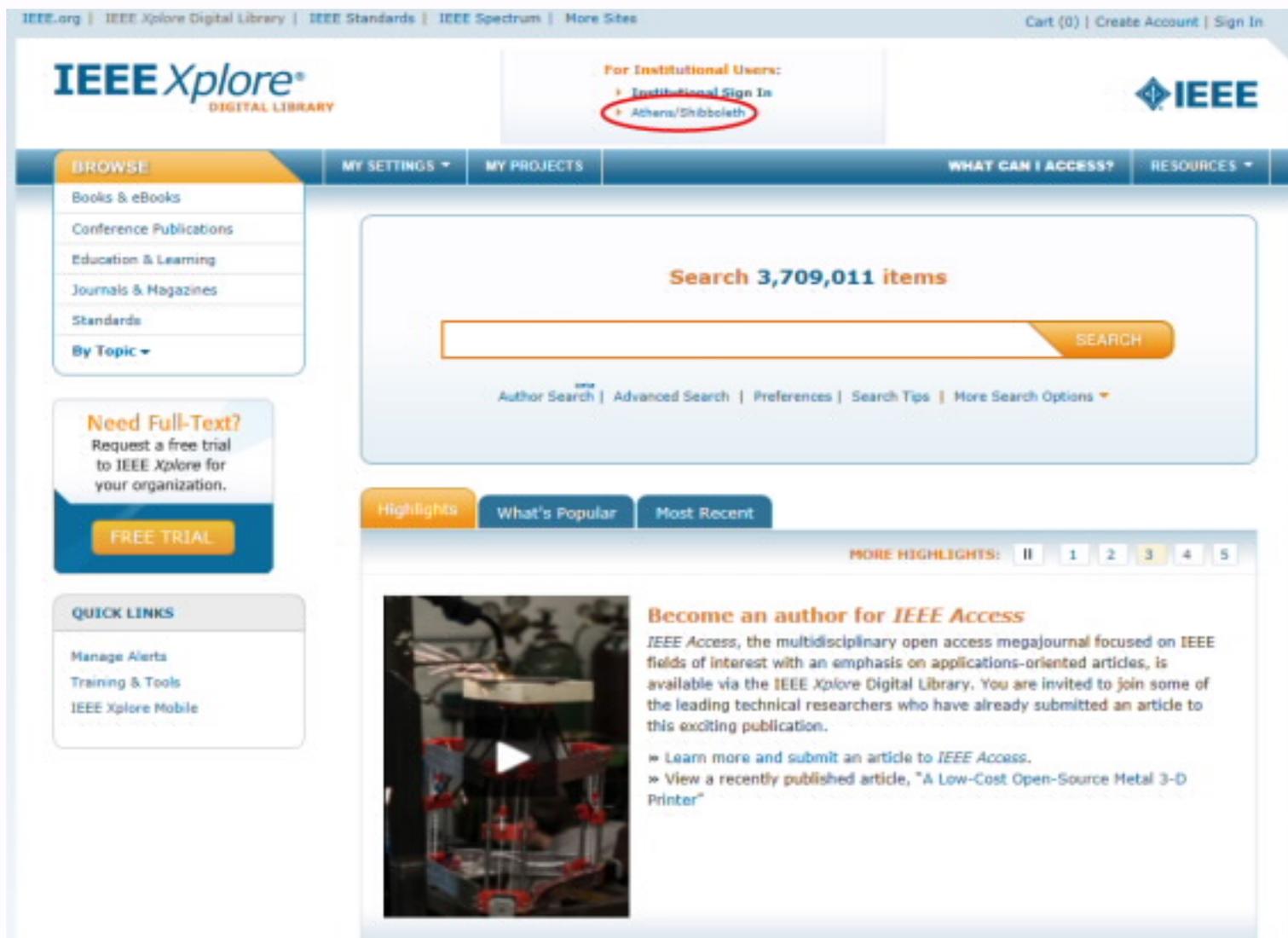
# Shibboleth联合认证

- WAYF - Where are you from
  - 联盟:确认哪个认证链接是可靠的;
- SP - Service Provider
  - 资源商:为通过认证的用户提供授权的服务
- IDP - Identity Provider
  - 高校:确定访问者是否本机构的人员;



基于联盟的  
联合认证

# Shibboleth联合认证实例



The screenshot shows the IEEE Xplore Digital Library homepage. At the top, there are navigation links for IEEE.org, IEEE Xplore Digital Library, IEEE Standards, IEEE Spectrum, and More Sites. On the right, there are links for Cart (0), Create Account, and Sign In. The main header features the IEEE Xplore logo and a navigation menu with options like BROWSE, MY SETTINGS, MY PROJECTS, WHAT CAN I ACCESS?, and RESOURCES. A search bar is prominently displayed with the text "Search 3,709,011 items" and a "SEARCH" button. Below the search bar, there are links for Author Search, Advanced Search, Preferences, Search Tips, and More Search Options. A sidebar on the left contains a "Need Full-Text?" section with a "FREE TRIAL" button and a "QUICK LINKS" section with links for Manage Alerts, Training & Tools, and IEEE Xplore Mobile. A "For Institutional Users:" box is highlighted with a red circle, containing links for "Institutional Sign In" and "Athens/Shibboleth".

# Shibboleth联合认证实例

IEEE.org | IEEE Xplore Digital Library | IEEE Standards | IEEE Spectrum | More Sites Cart (0) | Create Account | Sign In

**IEEE Xplore®**  
DIGITAL LIBRARY

**For Institutional Users:**

- ▶ Institutional Sign In
- ▶ Athens/Shibboleth



**BROWSE** ▼ | **MY SETTINGS** ▼ | **MY PROJECTS** | **WHAT CAN I ACCESS?** | **RESOURCES** ▼

**SEARCH**

[Author Search](#) | [Advanced Search](#) | [Preferences](#) | [Search Tips](#) | [More Search Options](#) ▼

### Sign In Through Your Athens / Shibboleth Provider

You can access your institution's online subscription anywhere using your Athens or Shibboleth username and password - even when you sign in off-site.

**If you are an Athens user, please Sign in with Athens**

**If you are a Shibboleth user, use the options below to find your institution.**

**BROWSE INSTITUTIONS:**

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

**OR... SEARCH BY INSTITUTION NAME:**  
Enter the name of your institution.

**SEARCH**

Can't find your institution? Your institution may not be enabled for this type of authentication. Please contact your administrator for assistance or register your institution with IEEE.

Already registered but not listed? Please contact Online Support.

Please note: If you want to save searches or use IEEE Xplore alerting services, you still need to register for an IEEE Account.

[Learn more about Athens and Shibboleth.](#)

# Shibboleth联合认证实例

## Sign In Through Your Athens / Shibboleth Provider

You can access your institution's online subscription anywhere using your Athens or Shibboleth username and password - even when you sign in off-site.

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If you are a Shibboleth user, use the options below to find your institution.

### BROWSE INSTITUTIONS:

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

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Enter the name of your institution.

SEARCH

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[Learn more about Athens and Shibboleth.](#)

21 Results Returned for "S"

[ST ANDREWS UNIVERSITY](#)

[SWANSEA UNIVERSITY](#)

[Salford University\(Shibboleth\)](#)

[Scientific Analysis Group](#)

[Shandong University](#)

[Shanghai University](#)

[Sheffield Hallam University](#)

[Shenzhen University](#)

# Shibboleth联合认证实例

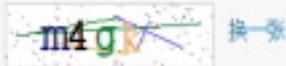


深圳大学 统一身份认证服务  
Shenzhen University

校园卡号

密码

验证码  输入下图中的字符，不区分大小写



如有疑问，请致电：深圳大学图书馆参考咨询部，26537002

# Shibboleth联合认证实例

IEEE.org | IEEE Xplore Digital Library | IEEE Standards | IEEE Spectrum | More Sites Cart (0) | Create Account | Sign In

**IEEE Xplore<sup>®</sup>**  
DIGITAL LIBRARY

Access provided by:  
**SHENZHEN UNIVERSITY**  
Sign Out



**BROWSE** | MY SETTINGS ▾ | MY PROJECTS | WHAT CAN I ACCESS? | RESOURCES ▾

- Books & eBooks
- Conference Publications
- Education & Learning
- Journals & Magazines
- Standards
- By Topic ▾

**QUICK LINKS**

- Manage Alerts
- Training & Tools
- IEEE Xplore Mobile

**Search 3,709,158 items**

**SEARCH**

beta  
[Author Search](#) | [Advanced Search](#) | [Preferences](#) | [Search Tips](#) | [More Search Options ▾](#)

**Highlights** | What's Popular | Most Recent

MORE HIGHLIGHTS: || 1 2 3 4 5



**Now in IEEE Xplore: The latest issue of IEEE Spectrum looking at the impact of lasers on motion pictures**

This issue explores how lasers will trigger the next great revolution in motion pictures. More and more, people are watching movies on their laptops, tablets, and smartphones. In wealthy countries, middle-class homes are now typically outfitted with huge flat-panel TVs and powerful surround-sound audio systems. The upshot is that for many people, a trip to a movie theater is becoming a rare event, if not an increasingly distant memory. Learn how laser-based projection technology will make cinema screens bigger and brighter.

» [View the issue in IEEE Xplore](#)

# 各国Shibboleth联盟

Australia 澳大利亚

Austria 奥地利

Belgium 比利时

Brazil 巴西

Canada 加拿大

Chile 智利

China 中国

Croatia 克罗地亚

Czech Republic 捷克共和国

Denmark 丹麦

Finland 芬兰

France 法国

Germany 德国

Greece 希腊

Ireland 爱尔兰

Italy 意大利

Japan 日本

Netherlands 荷兰

New Zealand 新西兰

Nordic countries 北欧国家

Norway 挪威

Slovenia 斯洛文尼亚

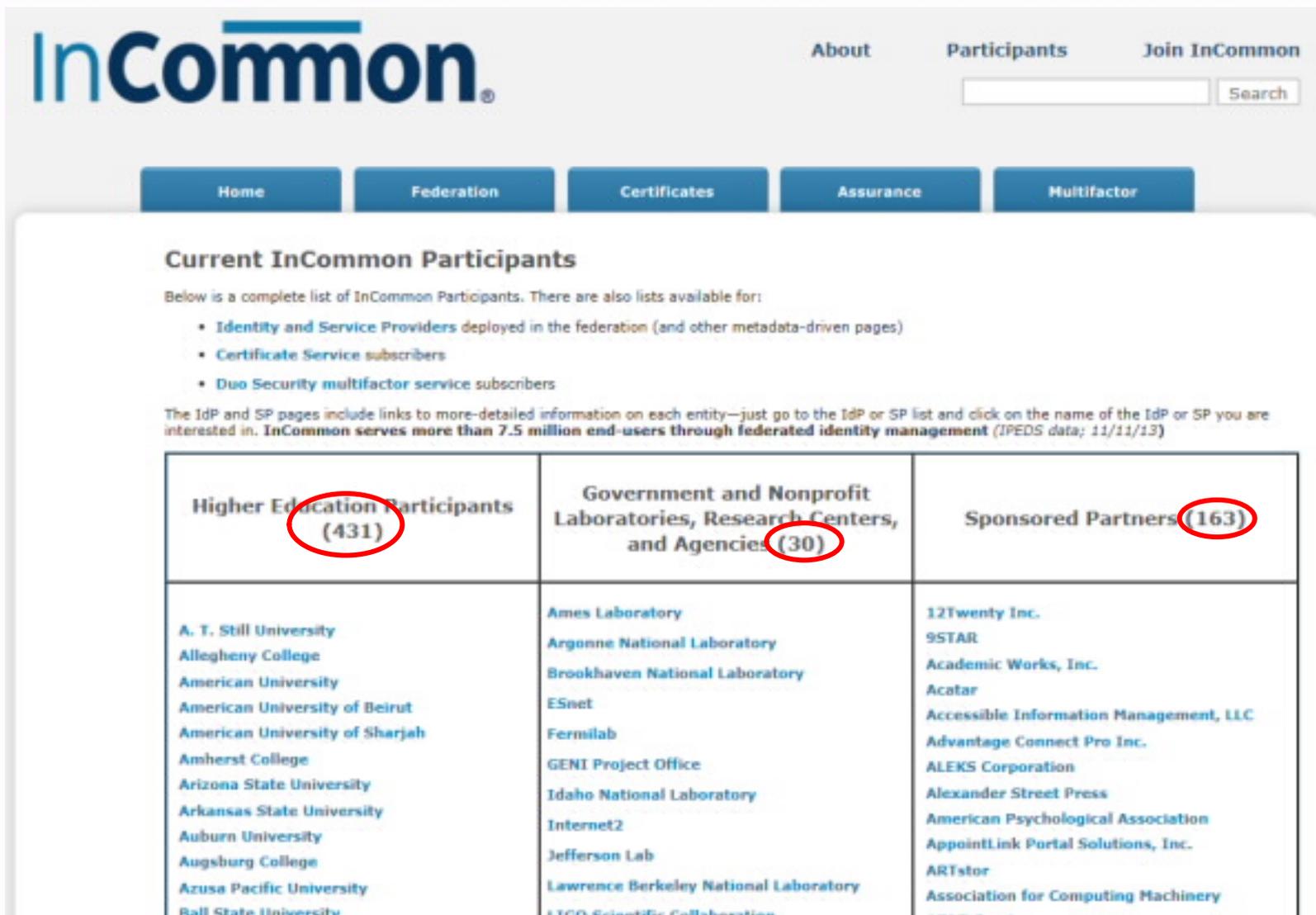
Spain 西班牙

Sweden 瑞典

Switzerland 瑞士

USA 美国

UK 英国



**InCommon** About Participants Join InCommon

Home Federation Certificates Assurance Multifactor

### Current InCommon Participants

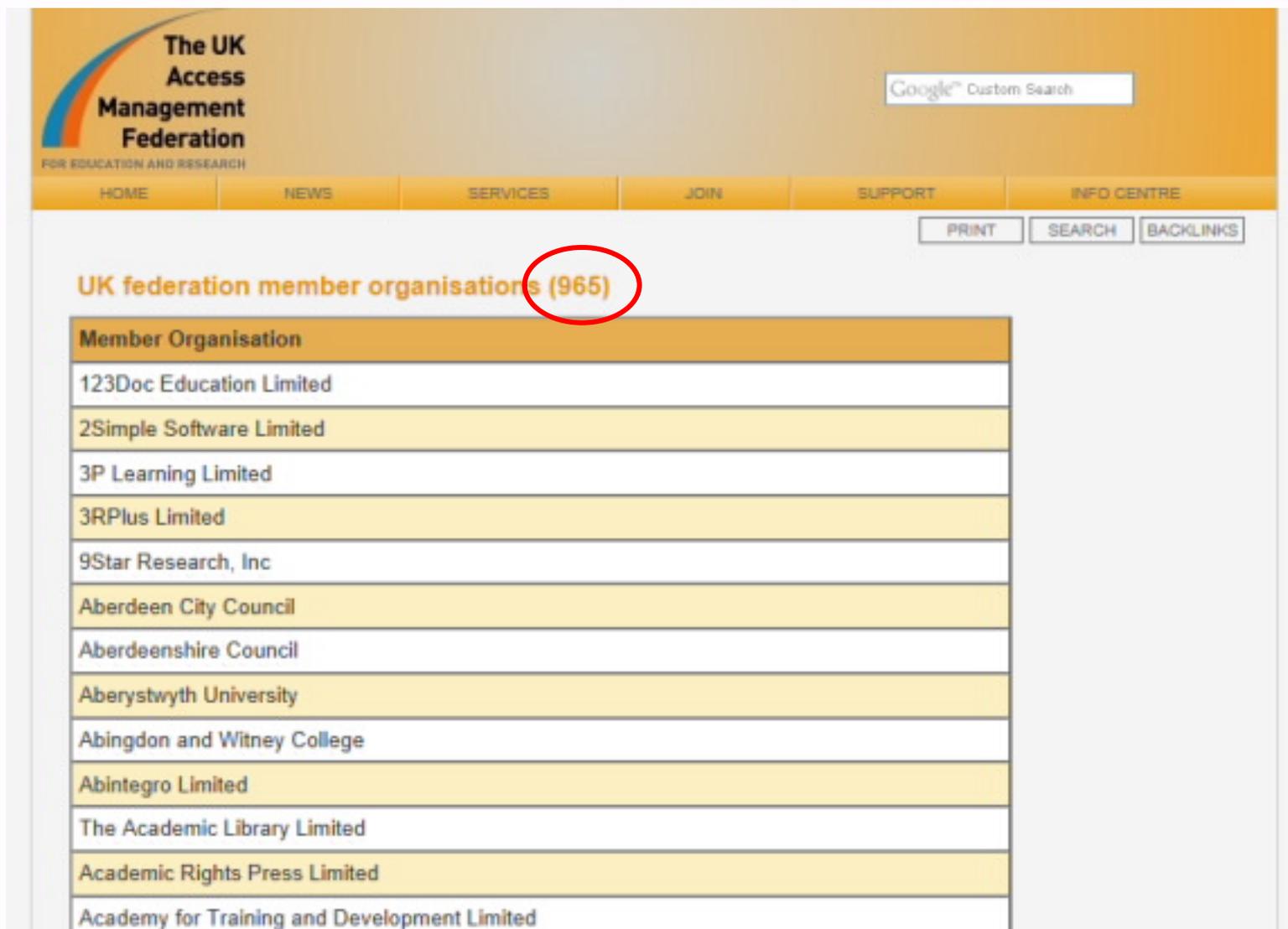
Below is a complete list of InCommon Participants. There are also lists available for:

- Identity and Service Providers deployed in the federation (and other metadata-driven pages)
- Certificate Service subscribers
- Duo Security multifactor service subscribers

The IdP and SP pages include links to more-detailed information on each entity—just go to the IdP or SP list and click on the name of the IdP or SP you are interested in. InCommon serves more than 7.5 million end-users through federated identity management (IPEDS data; 11/11/13)

Higher Education Participants (431)	Government and Nonprofit Laboratories, Research Centers, and Agencies (30)	Sponsored Partners (163)
<a href="#">A. T. Still University</a> <a href="#">Allegheny College</a> <a href="#">American University</a> <a href="#">American University of Beirut</a> <a href="#">American University of Sharjah</a> <a href="#">Amherst College</a> <a href="#">Arizona State University</a> <a href="#">Arkansas State University</a> <a href="#">Auburn University</a> <a href="#">Augsburg College</a> <a href="#">Azusa Pacific University</a> <a href="#">Ball State University</a>	<a href="#">Ames Laboratory</a> <a href="#">Argonne National Laboratory</a> <a href="#">Brookhaven National Laboratory</a> <a href="#">ESnet</a> <a href="#">Fermilab</a> <a href="#">GENI Project Office</a> <a href="#">Idaho National Laboratory</a> <a href="#">Internet2</a> <a href="#">Jefferson Lab</a> <a href="#">Lawrence Berkeley National Laboratory</a> <a href="#">LIGO Scientific Collaboration</a>	<a href="#">12Twenty Inc.</a> <a href="#">9STAR</a> <a href="#">Academic Works, Inc.</a> <a href="#">Acatar</a> <a href="#">Accessible Information Management, LLC</a> <a href="#">Advantage Connect Pro Inc.</a> <a href="#">ALEKS Corporation</a> <a href="#">Alexander Street Press</a> <a href="#">American Psychological Association</a> <a href="#">AppointLink Portal Solutions, Inc.</a> <a href="#">ARTstor</a> <a href="#">Association for Computing Machinery</a>

# 各国联盟—英国UK



The UK Access Management Federation  
FOR EDUCATION AND RESEARCH

HOME NEWS SERVICES JOIN SUPPORT INFO CENTRE

PRINT SEARCH BACKLINKS

**UK federation member organisations (965)**

Member Organisation
123Doc Education Limited
2Simple Software Limited
3P Learning Limited
3RPlus Limited
9Star Research, Inc
Aberdeen City Council
Aberdeenshire Council
Aberystwyth University
Abingdon and Witney College
Abintegro Limited
The Academic Library Limited
Academic Rights Press Limited
Academy for Training and Development Limited

# 各国联盟—澳大利亚AAF



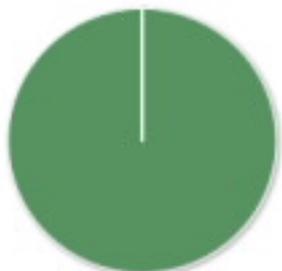
## AAF Status

[Dashboard](#) [Identity Providers](#) [Service Providers](#) [Support](#)

[Login](#)

Last Updated: 16:04:28 8/5/2014

### Core Federation



- ✓ Discovery Service (WAYF)
- ✓ Federation Registry
- ✓ Metadata
- ✓ Virtual Home
- ✓ www.aaf.edu.au

### Identity Providers

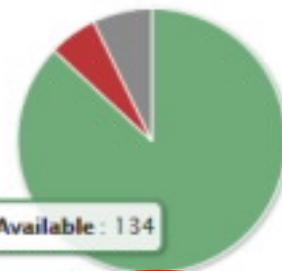


**49 / 49**

Active

[View All](#)

### Service Providers



Available: 134

**134 / 154**

Active

[View All](#)

# 各国联盟—中国CARSI

## 最新进展

目前CERNET联盟已经有61所高校机构加入，包括54所高校和7家资源提供机构。

高校列表：：

- 北京工业大学
- 北京航空航天大学
- 北京化工大学
- 北京邮电大学
- 重庆大学
- 中南大学
- 中国矿业大学
- 大连医科大学
- 大连理工大学
- 复旦大学
- 广东工业大学
- 广西大学
- 杭州电子科技大学

资源提供机构列表：

- Coursera课程平台
- Elsevier出版集团 (ScienceDirect)
- 电气电子工程师学会(IEEE) (IEEE Xplore Digital Library)
- 数字文化遗产基础设施国际网络(INDICATE)
- Nature出版集团 (Nature.com期刊, Palgrave Macmillan期刊)
- 英国皇家化学学会 (RSC Publishing)
- 汤姆森路透 (ISI Web of Knowledge)

- 服务网站：<http://www.carsi.calis.edu.cn>
- 联系邮箱：[carsi@calis.edu.cn](mailto:carsi@calis.edu.cn)
- QQ群：176932403

Usage Statistics System for E-Resources  
电子资源使用统计系统

**DRAA USSER服务**

- Usage Statistics System for E-Resources  
电子资源使用统计管理系统
- 基础
  - OpenERMs 电子资源管理系统
  - DRAA门户
- 开发单位
  - 深圳大学图书馆
- 联通出版社SUSHI服务
  - 2013年底, 15个

# DRAA-USSER服务

- 合作方
  - 高校图书馆数字资源采购联盟(DRAA)
  - 中国高等教育文献保障系统(CALIS)
  - 深圳大学图书馆(SZULIB)
- 目的
  - 为DRAA联盟成员馆提供电子资源使用统计服务
- 目标
  - 集中保存统计数据, 实现机构内数据共享
  - 通过SUSHI接口, 自动收割统计数据
  - 提供多角度的数据分析报表
- 功能
  - 统计数据管理
  - 报表。

# 统计数据管理

- 个人中心
- 用户管理
- 机构管理
- 统计数据管理**
- 管理SUSHI\_ID信息
- SUSHI任务列表
- 手动上传统计数据
- 管理上传任务
- 统计数据获取状态
- 管理统计文件
- 我关注的信息
- 统计报告

## 统计数据获取状态

统计平台：

数据库商：

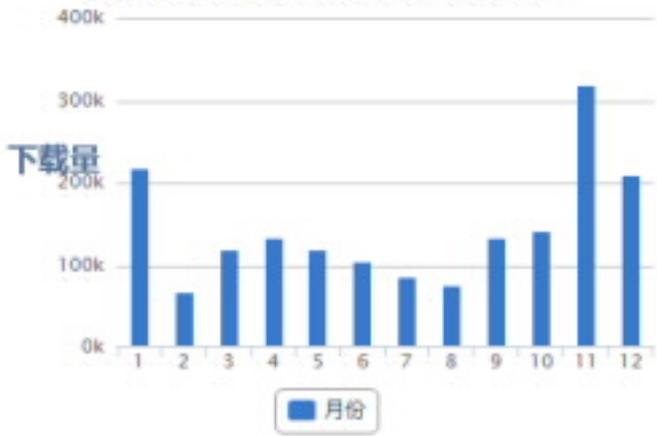
统计年：

统计数据格式：

成员馆	统计平台	数据库商	统计数访问方	统计报	年份	一月	二月	三月	四月	五月	六月	七月	八月	九月	十月	十一月	十二月
深圳大学	OVID	美国Ovid Technologies公司	JR1 (R4)	专线	2014	✓	✓	✓	✓								
深圳大学	CJO Reporting	英国剑桥大学出版社	JR1 (R3)	专线	2014	✓	✓										
深圳大学	牛津期刊Sushi	牛津大学出版社 (OUP)	JR1 (R4)	专线	2014	✓											
深圳大学	SAGE	Sage公司	JR1 (R4)	专线	2014	✓											
深圳大学	Nature Publishing Group (NPG) / MPS	英国Nature 杂志出版公司	JR1 (R4)	专线	2014	✓	✓										
深圳大学	EBSCO Publishing (EBSCOhost)	美国EBSCO公司	JR1 (R3)	专线	2014	✓	✓	✓	✓								
深圳大学	EBSCO Publishing (EBSCOhost)	美国EBSCO公司	DB1 (R3)	专线	2014	✓	✓	✓	✓								
深圳大学	Elsevier / ScienceDirect / SD	荷兰Elsevier公司	JR1 (R3)	专线	2014	✓	✓										
深圳大学	American Chemical Society (ACS) / Atypon	iGroup中国	JR1 (R3)	专线	2014	✓	✓	✓									
深圳大学	Taylor & Francis	Taylor & Francis公司	JR1 (R3)	专线	2014	✓	✓	✓									
深圳大学	Taylor & Francis	Taylor & Francis公司	DB1 (R3)	专线	2014	✓	✓	✓									



数据库自然年月度全文下载量统计报告

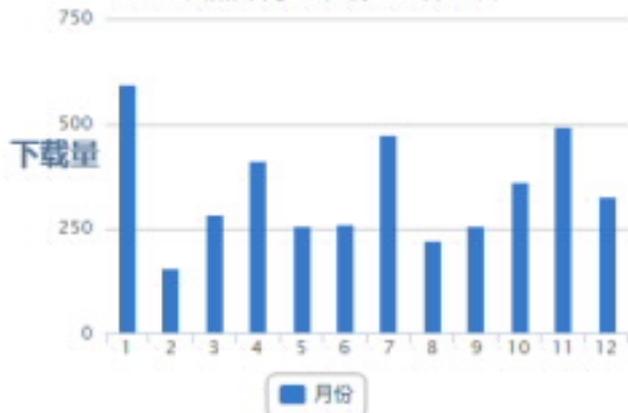


导出Excel

统计平台	1月	2月	3月	4月	5月	6月	7月	8月	9月	10月	11月	12月	合计
合计	216938	66644	118238	132105	119456	104271	85262	75802	132974	142084	317871	208940	1720585
1 对比 <input type="checkbox"/> ACM数据库/eBridge	595	156	283	411	255	262	473	221	255	360	492	326	4089
2 对比 <input type="checkbox"/> APS	674	120	473	318	314	326	252	222	449	653	310	489	4600
3 对比 <input type="checkbox"/> American Association for the Advancement of Science (AAAS) / HighWire	258	163	437	400	254	327	253	496	299	421	613	506	4427
4 对比 <input type="checkbox"/> American Chemical Society (ACS) / Atypon	3174	1041	1719	1704	1322	1620	1661	1206	1849	2113	1946	2386	21741
5 对比 <input type="checkbox"/> American Institute of Physics (AIP) / Scitation	2551	304	801	612	683	789	507	232	1182	1241	659	792	10353
6 对比 <input type="checkbox"/> American Society of Civil Engineers (ASCE) / Atypon	20	0	0	0	28	243	104	115	148	366	159	128	1311
7 对比 <input type="checkbox"/> BIOSIS Previews (WOK平台)	0	0	0	0	0	0	0	0	0	0	0	0	0
8 对比 <input type="checkbox"/> CJO Reporting	460	208	506	622	611	454	170	153	200	0	230	292	3906



期刊自然年月度下载量统计报告



导出Excel



期刊	ISSN	EISSN	Publisher	Platform	1月	2月	3月	4月	5月	6月	7月	8月	9月	10月	11月	12月	合计	
合计					595	156	283	411	255	262	473	221	255	360	492	326	4089	
<input type="checkbox"/> 对比	ACM Computing Surveys (CSUR)	0360-0300	1557-7341	ACM	ACM Digital Library	9	0	8	9	3	0	12	1	1	7	5	3	58
<input type="checkbox"/> 对比	ACM Inroads	2153-2184	2153-2192	ACM	ACM Digital Library	0	0	0	0	0	0	0	0	0	0	1	1	1
<input type="checkbox"/> 对比	ACM Journal on Emerging Technologies in Computing Systems (JETC)	1550-4832	1550-4840	ACM	ACM Digital Library	10	1	0	0	0	0	0	0	0	0	0	0	11
<input type="checkbox"/> 对比	ACM Proceedings	N/A	2168-4081	ACM	ACM Digital Library	446	109	187	276	162	205	372	173	185	263	336	235	2949
<input type="checkbox"/> 对比	ACM SIGACT News	0163-5700		ACM	ACM Digital Library	0	0	0	0	0	0	0	1	0	3	0	4	4
<input type="checkbox"/> 对比	ACM SIGAPP Applied Computing Review	1559-6915	1931-0161	ACM	ACM Digital Library	0	0	0	0	0	0	0	0	0	2	0	2	2
<input type="checkbox"/> 对比	ACM SIGARCH Computer Architecture News	0163-5964		ACM	ACM Digital Library	1	3	1	2	0	0	0	2	1	0	0	10	10
<input type="checkbox"/> 对比	ACM SIGCOMM Computer Communication Review	0146-4833		ACM	ACM Digital Library	2	1	1	5	3	0	1	4	2	1	1	1	22
<input type="checkbox"/> 对比	ACM SIGCSE Bulletin	0097-8418		ACM	ACM Digital Library	0	0	1	0	0	0	0	0	0	0	1	1	2



## • ACM Proceedings历年的统计

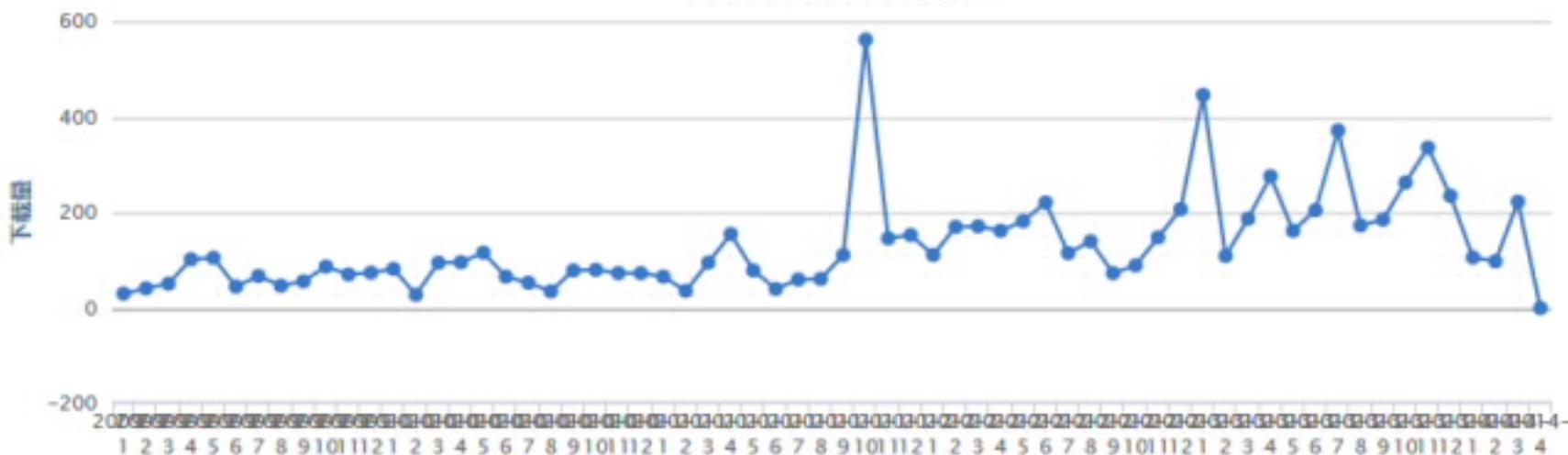
报告首页 > 报告

期刊月份统计

成员馆:   起始: 2009 年 1 月 结束: 2014 年 4 月

成员馆: 大学 统计期刊: ACM Proceedings 起始: 2009年1月 结束: 2014年4月

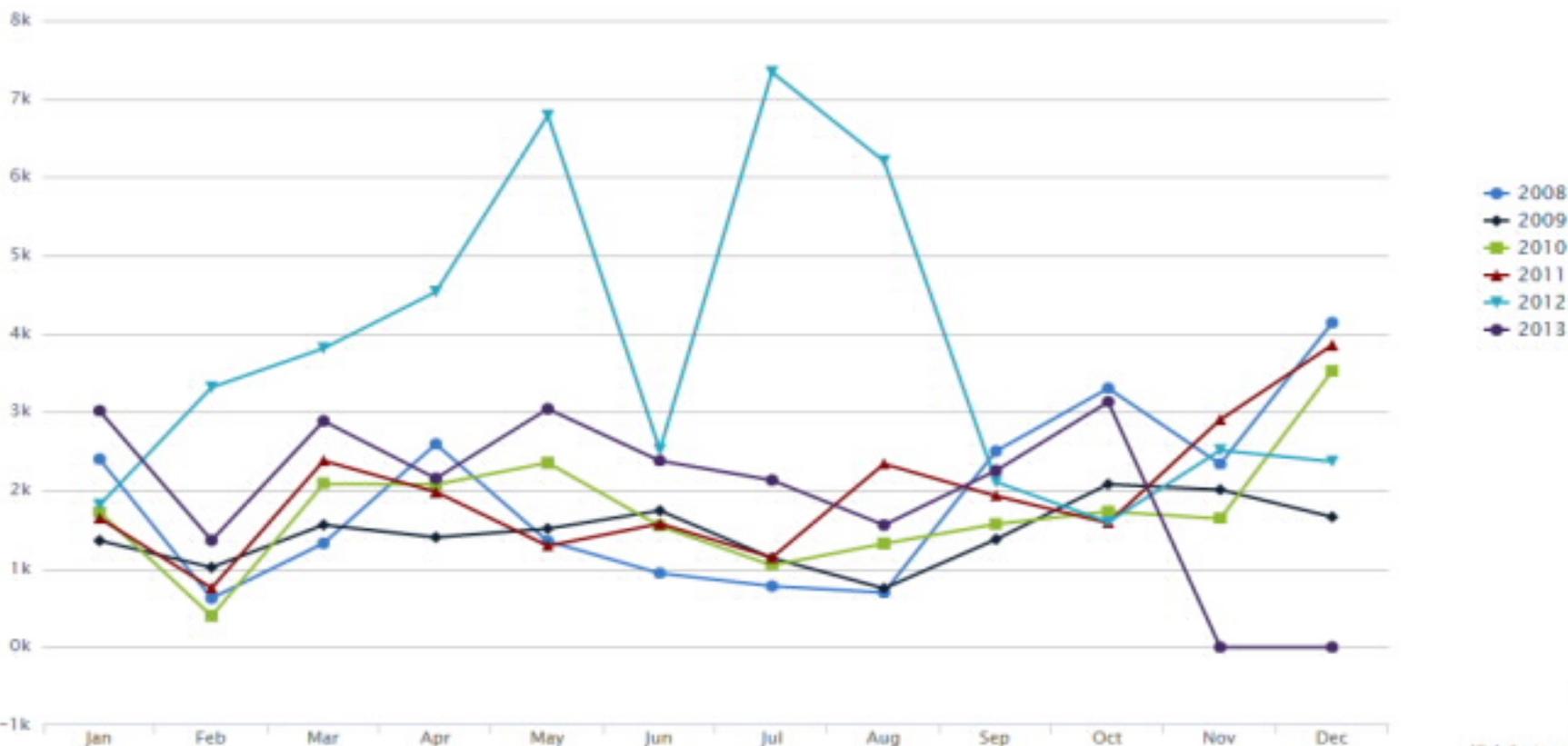
期刊月份统计曲线图



导出Excel

年份	一月	二月	三月	四月	五月	六月	七月	八月	九月	十月	十一月	十二月	%change
2008	2,402	626	1,328	2,594	1,353	945	781	700	2,506	3,306	2,338	4,144	
2009	1,362	1,021	1,562	1,403	1,514	1,744	1,139	752	1,378	2,081	2,011	1,664	
2010	1,724	399	2,088	2,077	2,356	1,545	1,046	1,325	1,573	1,733	1,641	3,527	
2011	1,648	756	2,382	1,984	1,293	1,578	1,146	2,340	1,932	1,586	2,905	3,860	
2012	1,817	3,319	3,817	4,538	6,788	2,523	7,342	6,207	2,110	1,597	2,514	2,372	
2013	3,019	1,365	2,889	2,157	3,043	2,382	2,134	1,561	2,256	3,133	0	0	

导出Excel



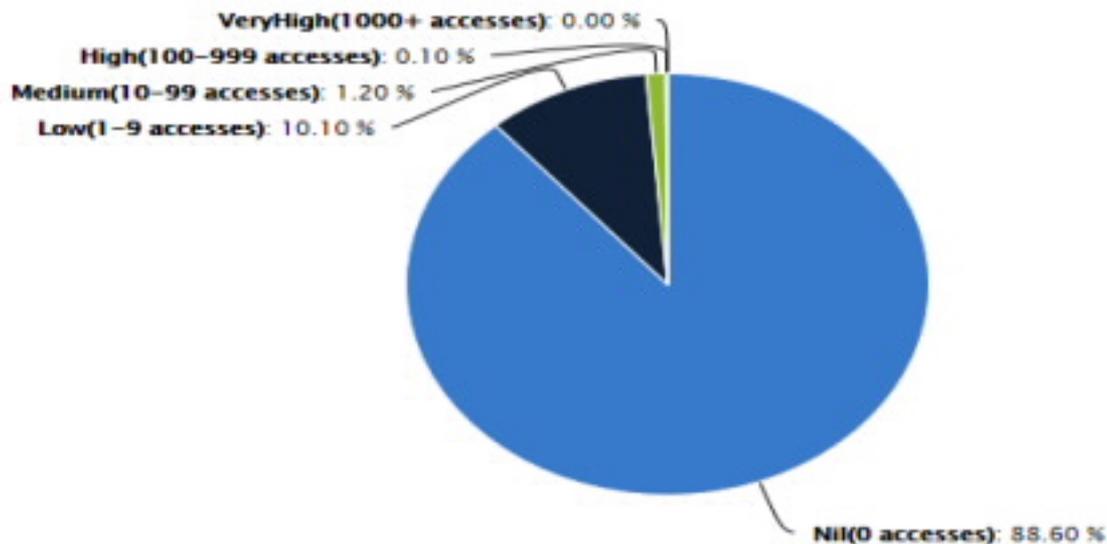
# 其它工具

成员馆：某大学 统计平台：Taylor & Francis 年份：2013

导出Excel

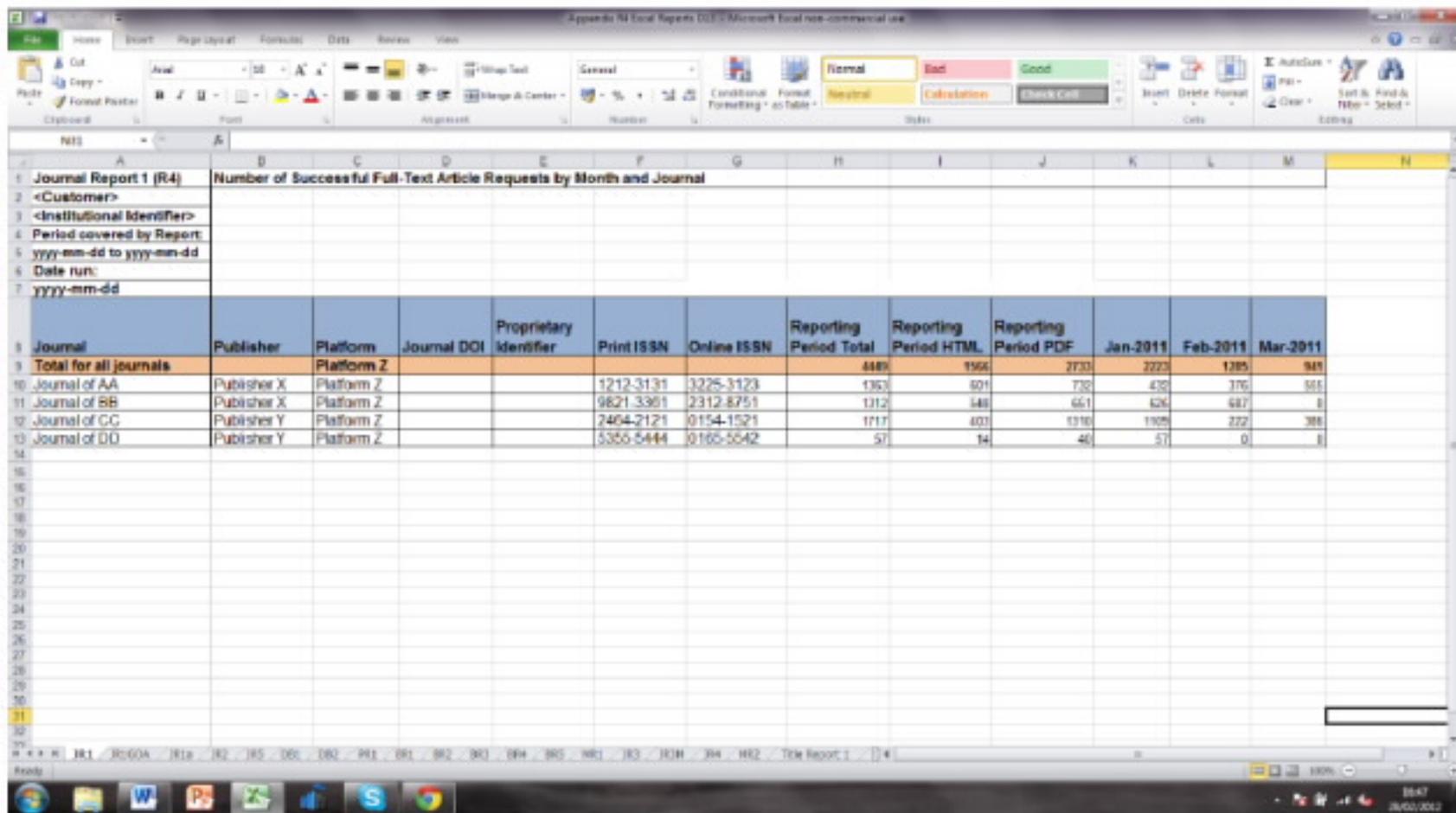
统计年	统计平台	Type	使用率	资源数	资源占总数比例%
2013	Taylor & Francis	JR1	Nil(0 accesses)	1895	88.6
2013	Taylor & Francis	JR1	Low(1-9 accesses)	215	10.1
2013	Taylor & Francis	JR1	Medium(10-99 accesses)	26	1.2
2013	Taylor & Francis	JR1	High(100-999 accesses)	2	0.1
2013	Taylor & Francis	JR1	VeryHigh(1000+ accesses)	0	0
2013	Taylor & Francis	JR1	Total	2,138	100

Pie Chart showing breakdown of usage ranges(overall)



# COUNTER JR1

## Journal Report 1: Number of Successful Full-Text Article Requests by Month and Journal



Journal	Publisher	Platform	Journal DOI	Proprietary Identifier	Print ISSN	Online ISSN	Reporting Period Total	Reporting Period HTML	Reporting Period PDF	Jan-2011	Feb-2011	Mar-2011
<b>Total for all journals</b>		<b>Platform Z</b>					<b>4489</b>	<b>1966</b>	<b>2730</b>	<b>2223</b>	<b>1285</b>	<b>981</b>
Journal of AA	Publisher X	Platform Z			1212-3131	3225-3123	1353	501	732	432	176	565
Journal of BB	Publisher X	Platform Z			9821-3361	2312-8751	1312	548	661	626	687	8
Journal of CC	Publisher Y	Platform Z			2464-2121	0154-1521	1717	403	1318	1925	222	388
Journal of DD	Publisher Y	Platform Z			5355-5444	0165-5542	57	14	46	57	0	8

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# 谢谢