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Technology trends in the UK academic libraries: tools, techniques and best practices

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Technology trends in the UK academic libraries: tools, techniques and best practices

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Library Systems Manager
University of West London, UK*



**PLC, IFLA and SLA International Conference
A journey from UN MDGs to SDGs: proactive role
of the librarians; University of Karachi, Pakistan 2-4 Aug. 2018**

Objectives

- Technology products
- Emerging trends
- Best practices
- The way-forward



Technology products

- Library Services Platforms (LSP)
- Reading lists
- Repositories
- Linked-data products
- Current Research Information Systems
- Virtual learning environment
- Discovery services (Google-styled single search engine)
- Data enrichments
- Enquiry services

LSP trend

- **Features of LSP**
 - Management of print and e-resources in one platform
 - More integrated workflows
 - Cloud-based
 - Analytics
 - Interoperability

Source: Library management system to library services platform. Resource management for libraries: a new perspective. HELibTech Briefing paper. Ken Chad HELibTech August 2015. DOI: 10.13140/RG.2.1.4315.3128

LSP trend

University (more detail in the "Decisions.." section below)	New system Vendor	Date selected (approx)	Old system vendor	Notes
Arts University Bournemouth	PTFS (Koha)	July 2018		
Chester	Innovative Interfaces	Feb2018	Innovative	Upgrade to cloud hosted Sierra from Millennium
Wolverhampton	ExLibris	Feb 2018	Capita	LSP, Discovery and Reading Lists solution ((Leganto)
Bristol	OCLC	Feb2018	ExLibris	
UCL (university College London)	ExLibris	Jan2018	ExLibris	upgraded from Aleph to Alma-no tender
Oxford Brookes	OCLC	Dec 2017	Capita	
Southampton Solent	ExLibris	Dec 2017	ExLibris	Upgrade from Aleph to Alma (no tender)
Robert Gordon	ExLibris	Dec2017	SirsiDynix	The contract was concluded as part of the Scottish Confederation of University and Research Libraries (SCURL) and Advanced Procurement for Universities and Colleges (APUC) framework
University of Law	ExLibris	Dec 2017	ExLibris	Moved form ExLibris Voyager via tender process
Birmingham	ExLibris	Nov 2017	ExLibris	upgrade form Aleph to Alma (no tender process)
Richmond, The American International University	PTFS-Europe	April 2017	ExLibris (Voyager)	
Loughborough University	PTFS (Koha/Coral)	April 2017	ExLibris Aleph	Koha library system and Coral ERM
Pearson College London	SirsiDynix	March 2017	n/a	
University of Buckingham	SirsiDynix	March 2017	SirsiDynix	
University of Central Lancashire (UCLan)	Ex Libris (Alma)	December 2016	Capita (Alto)	
The Royal Conservatoire of Scotland	PTFS-Europe (Koha)	March 2017	Capita (Alto)	
Glasgow Caledonian University	Ex Libris (Alma)	December 2016	SirsiDynix	Also selected Leganto resource list / reading list system
Liverpool John Moores University	Ex Libris (Alma)	December 2016	Ex Libris Aleph	
University of Huddersfield	Ex Libris (Alma)	December 2016	SirsiDynix (Horizon)	
University of Kent	SirsiDynix	December	Ex Libris	Part of shared system: Universities of Kent, Greenwich and Canterbury Christchurch.

Source: <http://helibtech.com/Procurements>

LSP trend

Market shares

*Vendors of Library Management Systems (LMS/LS) and Library Services platforms. Updated September 2017
(Derived from data on the "who uses what system" ([Systems review](#)) page of HELibTech*

ILS/LMS/LSP Vendor	No. Installs/customers	2017 % market share (of 180 total)	2016 Market share	2008 Market share
ExLibris	60	33	31	23
Innovative Interfaces	33	18	18	18
SirsiDynix	33	18	20	23
Capita	26	14	17	23
ISOxford	6	3	3	3
PTFS	7	4	2	0
OCLC	4	2	2	2
Infor	3	2	2	2
Kuali	1	1	1	0
Softlink	1	1	1	
unknown	6	*	*	*

Source: <http://helibtech.com/Procurements>

Linked-data product: Altmetrics

Altmetric Details Page

Variation in referral and access to new psychological therapy services by age: an empirical quantitative study

138

? About this Attention Score

In the top 5% of all research outputs scored by Altmetric

MORE...

Mentioned by

- 13 news outlets
- 1 blog
- 32 tweeters

Title Variation in referral and access to new psychological therapy services by age: an empirical quantitative study

Published in British Journal of General Practice, June 2017

DOI 10.3399/bjgp17x691361

Pubmed ID 28583944

Authors Sophie Pettit, Adam Qureshi, William Lee, Alex Stirzaker, Alex Gibson, William Henley, Richard...
[\[show\]](#)

Abstract Older people with common mental health problems (CMHPs) are known to have reduced rates of... [\[show\]](#)

[View on publisher site](#)

[Alert me about new mentions](#)

TWITTER DEMOGRAPHICS

MENDELEY READERS

ATTENTION SCORE IN CONTEXT

The data shown below were collected from the profiles of **32** tweeters who shared this research output. [Click here to find out more about how the information was compiled.](#)

Linked-data product: Altmetrics

The screenshot displays the Altmetrics database interface. At the top, the University of West London logo is visible next to the text "EXPLORE THE ALTMETRIC DATABASE". A search bar contains the text "Search for research outputs...". To the right of the search bar are two buttons: "FULL ALTMETRIC DATABASE" and "MY INSTITUTION ONLY" (which is selected). Below the search bar, a link for "+ ADVANCED SEARCH (1 FILTER ACTIVE)" is present. A status bar indicates "Showing all research outputs from University of West London in department College of Nursing, Midwifery and Healthcare sorted by Altmetric Attention Score". A red arrow points to the "Sort by" dropdown menu, which is currently set to "Altmetric Attention Score". The main content area shows four research outputs, each with a circular Altmetric icon and a checkmark:

- Variation in referral and access to new psychological therapy services by age... Article in *British Journal of General Practice*, June 2017 (138 mentions)
- epic3: National Evidence-Based Guidelines for Preventing Healthcare... Article in *Journal of Hospital Infection*, January 2014 (127 mentions)
- Plasma total homocysteine status of vegetarians compared with omnivores: a... Article in *British Journal of Nutrition*, January 1970 (98 mentions)
- Oxford Textbook of Nature and Public Health Book, January 2018 (86 mentions)

On the right side, an "OVERVIEW" section provides summary statistics:

OVERVIEW	
ANALYZE THESE RESULTS	
Total mentions	1,641
Research outputs	290
Outputs with mentions	144
Sources of attention	12

Below the overview is an "EXPORT" section.

Library resources discovery

The screenshot displays the University of West London's library website. At the top, a navigation bar includes links for Library, Student Portal, Academic Schools, News & events, Jobs at UWL, Maps, and Contact us. The University of West London logo, featuring a stylized 'U' and 'W' with the text 'The Career University', is on the left, and a search bar is on the right. Below this is a dark blue menu bar with links: Home, Visit us, Students, Courses, International, Research, For business, Alumni, About us, and Clearing. A breadcrumb trail shows 'Home > Library'. The main 'Library' section has tabs for Summon, Catalogue, e-Journals, UWL Reading Lists, UWL Repository, and Archives. The 'Summon' tab is active, showing a search box with the placeholder 'Enter search term(s) here' and a magnifying glass icon, with an 'Advanced search' link below it. To the right is a circular 'Login' section with the text 'Login to view your record, renew and reserve online' and a 'My Library Account' button. At the bottom left is a video player titled 'Introducing the UWL Library' showing a woman in a library, with a play button and 'CSE' logo. At the bottom right is a 'Have a question?' section with a chat icon and the text 'You can contact us using our online chat', alongside a 'CUSTOMER SERVICE EXCELLENCE' badge with 'CSE' and a star icon.

Library | Student Portal | Academic Schools | News & events | Jobs at UWL | Maps | Contact us

UNIVERSITY OF WEST LONDON
The Career University

Home > Library

Library

Summon | Catalogue | e-Journals | UWL Reading Lists | UWL Repository | Archives

Summon
Discover books, journal articles, e-resources and more with a single Google-like search.

Enter search term(s) here

Advanced search

Login
Login to view your record, renew and reserve online


My Library Account



Introducing the UWL Library




Have a question?
You can contact us using our online chat


CUSTOMER SERVICE EXCELLENCE
CSE





Library resources discovery





Log in | My Account | My Lists | Inter Library Loan |  

 Everything  All Fields 

Search 






Search the catalogue
Inter Library Loans

Tweets by  **Brunel Library**
 @Brunel_Library



Fire alarm testing
7am - 8am Wednesday 1/8/18


Expect noise disruption
2nd and 3rd floors of
Bannerman Centre



  Jul 31, 2018

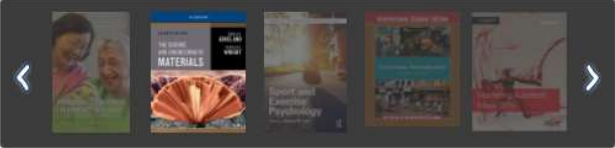
[Embed](#) [View on Twitter](#)

New books  



Title: The science and engineering of materials
Author: Askeland, Donald R., author.
Published: 2016
ISBN: 9781305077102

[Find In My Library](#)



[Link to Library Databases A-Z](#)

Library resources discovery

Open Source discovery solutions

- VuFind
- Blacklight
- XC



Emerging trends

- Institutional and personal research profile
- Interoperability of systems
- User experience (UX)
- Impact assessment
- Data analytics
- Data dashboards
- Open source



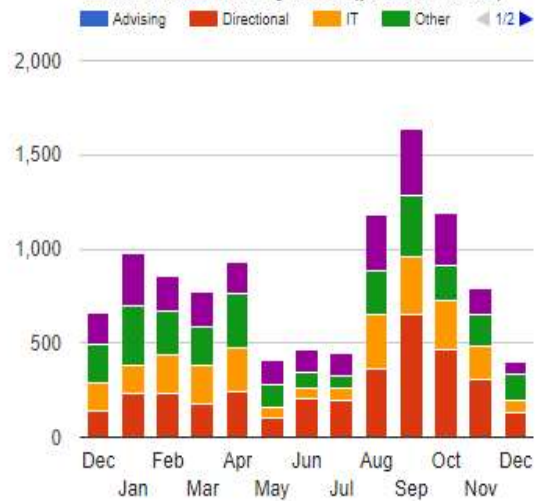
Library data dashboards

Library Transactions

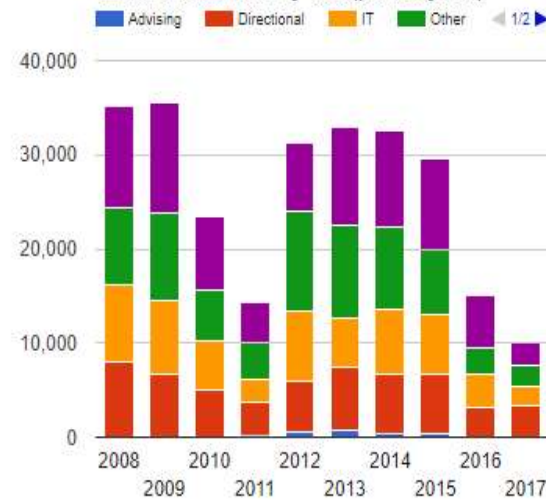
COMPARATIVE VIEW

DETAILED VIEW

Tallied Transactions by Month (past 13 months)



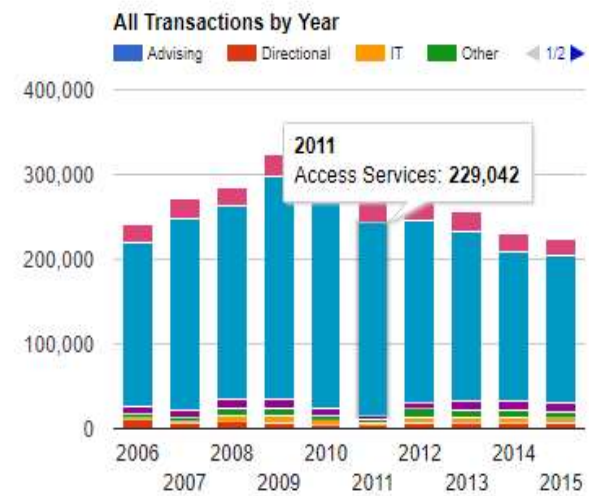
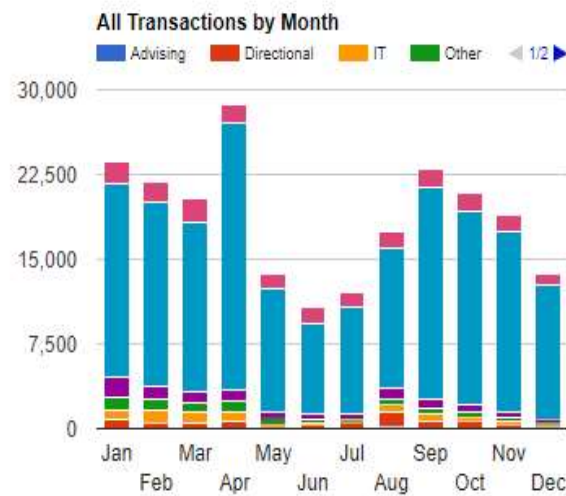
Tallied Transactions by Year (past 10 years)



Library data dashboards

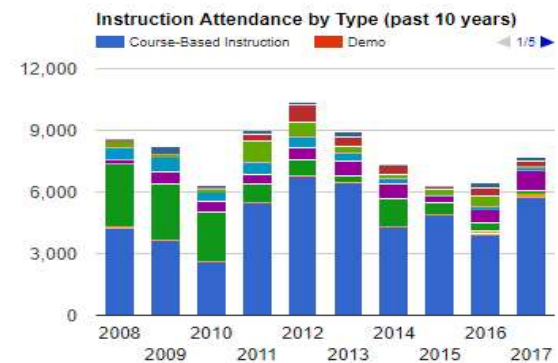
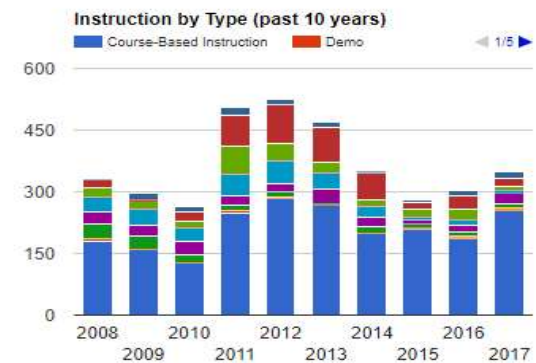
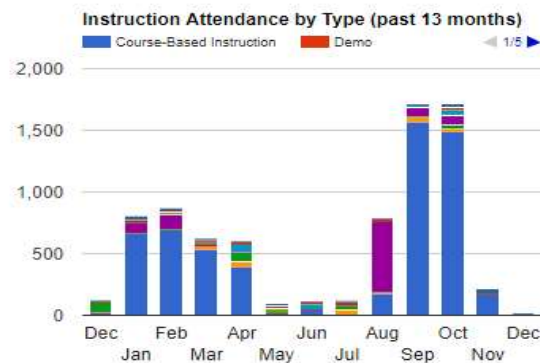
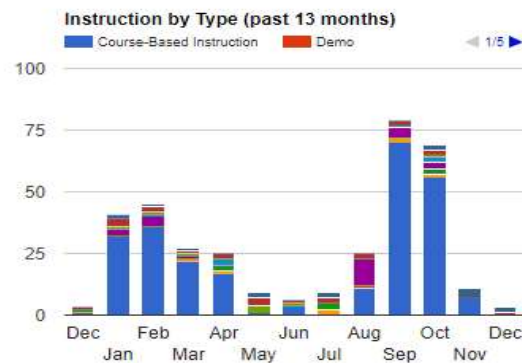
Library Statistics Dashboard: All Transactions Comparison

All Service Points



Library data dashboards

Library Instruction



User experience


Articulating value proposition and focusing on the qualitative outcomes

Don't just talk about library resources

Don't just talk about library technology

Don't just talk about library staff

Open access research data: Dimensions



e.g. plastic AND instrument

SupportRegisterLog in

FILTERS

▼ PUBLICATION YEAR

2018

2,563,297

2017

4,398,851

2016

4,151,571

2015

4,018,249

2014

3,874,101

2013

3,706,164

2012

2011

2010

2009

More

► RESEARCHER

► FIELDS OF RESEARCH

► PUBLICATION TYPE

► SOURCE TITLE

► JOURNAL LIST

▼ OPEN ACCESS

Open Access - all

15,504,220

Open Access - publisher

11,202,966

Open Access - repository

4,153,195

PUBLICATIONS

96,051,048

Sort by: Publication Date ▼

Title, Author(s), Bibliographic reference - About the metrics

Detwinning through migration of twin boundaries in nanotwinned Cu films under in situ ion irradiation

Jinlong Du, Zaoming Wu, Engang Fu, Yanxiang Liang, Xingjun Wang, Peipei Wang, Kaiyuan Yu, Xiangdong Ding, Meimei Li, Mar...
2018, Science and Technology of Advanced Materials - Article

Altmetric 1 View PDF Add to Library

Electronic properties and surface reactivity of SrO-terminated SrTiO₃ and SrO-terminated iron-doped SrTiO₃

Aleksandar Staykov, Helena Tellez, John Druce, Ji Wu, Tatsumi Ishihara, John Kilner
2018, Science and Technology of Advanced Materials - Article

Citations 1 Altmetric 1 View PDF Add to Library

Photo-stability study of a solution-processed small molecule solar cell system: correlation between molecular conformation and degradation

Michael J. Newman, Emily M. Speller, Jérémy Barbé, Joel Luke, Meng Li, Zhe Li, Zhao-Kui Wang, Sagar M. Jain, Ji-Seon Kim, H...
2018, Science and Technology of Advanced Materials - Article

Altmetric 1 View PDF Add to Library

Tunable near-infrared epsilon-near-zero and plasmonic properties of Ag-ITO co-sputtered composite films

Chaonan Chen, Zhewei Wang, Ke Wu, Hui Ye
2018, Science and Technology of Advanced Materials - Article

Altmetric 1 View PDF Add to Library

Complementary evaluation of structure stability of perovskite oxides using bond-valence and density-functional-theory calculations

Ikuya Yamada, Akihiko Takamatsu, Hidekazu Ikeno
2018, Science and Technology of Advanced Materials - Article

ANALYTICAL VIEWS

FIELDS OF RESEARCH

1103 Clinical Sciences

5,017,384

0601 Biochemistry and Cell Biology

2,849,696

1117 Public Health and Health Services

2,628,263

0306 Physical Chemistry (incl. Structural)

2,535,104

0912 Materials Engineering

OVERVIEW

RCR Mean

0.75

FCR Mean

1.32



Publications

RESEARCHERS

Roman Gladyshevskii

7,886

Lviv University, Ukraine

K Cenzual

7,706

University of Geneva, Switzerland

Ch Wohlfarth

Martin Luther University Halle-Wittenberg, Germany

Ivan Cibulka

University of Chemistry and Technology, Czechia

Impact toolkits

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Success Stories 17

The way forward

- Developing community of practice
- Need-based research
- Active collaboration
- Objective horizon scanning
- Collation and analysis of the factual data



Thank you

Questions



References

- Georgia Tech library: Dashboards: online
<http://www.library.gatech.edu/dashboard/>
- University of West London library services: A-Z databases. Available online at: <http://uwl.libguides.com/az.php>
- Dimensions: <https://www.dimensions.ai/>
- Library management system to library services platform. Resource management for libraries: a new perspective. HELibTech Briefing paper. Ken Chad HELibTech August 2015. DOI: 10.13140/RG.2.1.4315.3128
- LSP trend: Available online at : <http://helibtech.com/Procurements>
- Community Knowledge Hub: Available online at:
<https://libraries.communityknowledgehub.org.uk/topic/measuring-impact-and-quality>