Skills for the future academic library

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Research analytics

New roles for libraries and librarians

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Library Research Services: inside-out library

open access
research data management
research analytics
archive

Research analytics service

- Enhance research profile
- Present strengths
- Build partnerships
- External assessment
- Publishing strategy
- Monitor & benchmark

Enhance research profile
What’s new for the library?

• New conversations

• New roles in those conversations
  service-provider, partner, leader (Pinfield, Cox & Rutter)

• New working relationships
  University management
  Research leaders
  Research Office
  Planning Office
  International Office
  HR
  Marketing & Fundraising
Informing strategic decision makers

What are the University’s research strengths?

How do we compare to top universities for internationalisation?

What does responsible research assessment look like?

What was the effect of this initiative on publishing?

Why have we gone up/down the world university rankings?
Partnering in funding bids

Example: evidencing strong publishing track record and well networked critical mass of authors for a major funding bid
Partnering in partnership building

University of Bath

Potential partner
Knowledge & skills for librarians
[Numbers refer to CILIP’s Professional Knowledge & Skills Base]

**Technical**
- Informetrics [3.5]
- Knowledge of research landscape & scholarly publishing
- Information analysis [3.6]
- Data analytics, including data visualisation [3.4]
- Information evaluation [3.7]
- Statistics & statistical analysis [4.4]
- Knowledge synthesis & information integration [2.4]

**Soft**
- Ethics
- Strategic thinking & evaluation [9.2]
- Advocacy [9.3]
- Partnership development [9.5]
- Influencing key stakeholders [9.6]
- Working with decision makers [9.7]
- Policy [10.4]
- Change management [10.10]
- Service innovation, development & design [11.4]
- Communication skills [12.5]
- Networking skills [12.6]
Skills gap; Professional identity gap
Addressing the gaps: Professional networks

CILIP  The library and information association

ARLG  Academic & Research Libraries Group

HESPA  HIGHER EDUCATION STRATEGIC PLANNERS ASSOCIATION

arma  Association of Research Managers and Administrators
# Competency model for bibliometric work (version 1.1; July 2017)


<table>
<thead>
<tr>
<th>Entry Level</th>
<th>Core</th>
<th>Specialist</th>
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<tr>
<td><strong>Applications</strong></td>
<td>I) Uses bibliometric knowledge to recommend where to publish and what to read; to increase academic staff bibliometric literacy; to support annual reporting by academic departments; to support grant capture; and to guide library collection and evaluate repository coverage.</td>
<td>I) Uses bibliometric knowledge to evaluate departmental/research centre performance; to evaluate institutional performance; and to support academic bibliometric research.</td>
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<td>I) Explains effectively the concept, potential uses and limitations of bibliometrics to a range of stakeholders.</td>
<td>I) Advises on which are the appropriate tools to calculate a particular metric and explains differences in results between metrics produced by different tools.</td>
<td>I) Monitors national policy changes around research evaluation and advises on institutional responses.</td>
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<td>II) Explains the concept, potential uses and limitations of altmetrics to stakeholders.</td>
<td>II) Explains responsible use as a general set of principles, and applies these principles to specific requests/cases. For example, advises on the applicability of metrics and tools to particular disciplines.</td>
<td>II) Advises on decisions about how the institution should use specific tools and on decisions about Institutional Key Performance Indicators.</td>
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<td>III) Explains author identifiers, such as ORCID, and promotes their wider use.</td>
<td>III) Participates in key debates about how research quality should be evaluated, including in the context of any national research assessment exercise.</td>
<td>III) Advises on decisions about what a responsible use policy should contain.</td>
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<td>IV) Communicates the case for open access and the impact of increased visibility on citation performance.</td>
<td>IV) Undertakes research into user needs from bibliometric tools and advises on decisions about what bibliometric service should be offered to staff.</td>
<td>IV) Influences others, including senior departmental and institutional managers.</td>
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<td>V)</td>
<td>V) Explains and advises on use of the CRIS, the institutional repository and Academic SNS such as Researchgate.</td>
<td>V) Advises on decisions about what bibliometric tools should be subscribed to.</td>
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Using the competencies model

Individual
• Personal skills audit & development

Organisation
• Designing services and job descriptions
• Upskilling teams

Beyond the Library
• Informing training & education providers
• Visibility/understanding of the profession
Addressing the gaps: training

Upskilling Liaison Librarian Team
Dr Karen Rowlett, University of Reading
• Survey to establish baseline
• Training programme for Liaison Librarians
  https://thebibliomagician.wordpress.com/2018/03/06/outputs-responsible-bibliometrics-in-practice-event/

Statistics for Responsible Bibliometrics course
Dr Ian Rowlands, Dr Abigail McBirnie, Prof Mike Thelwall
• Pilot March 2018
• Coordinated by ARMA
Let’s branch out
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