

LIBRARIANS, INFORMATION LITERACY AND OPEN EDUCATIONAL RESOURCES: REPORT OF A SURVEY

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In April 2012 a short survey was distributed to librarians and information professionals to explore their knowledge of and practice around the sharing of information literacy teaching materials as open educational resources (OER). This was a joint initiative by two information professionals with support from the CILIP Information Literacy Group and UNESCO. The survey received over 100 responses mainly from practitioners in the UK, but a smaller number of international responses were received. This short report highlights findings from the survey including awareness and willingness to share resources, barriers to sharing and interest librarians have in helping build a 'community of practice' in this field.

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1. Introduction and background

From August 2010 – August 2011 the London School of Economics (LSE) and the University of Birmingham worked with the Chartered Institute of Library and Information Professionals (CILIP) Information Literacy group on a project to convert existing information and digital literacy resources into open educational resources (OER). The Developing Educators Learning and Information Literacies for Accreditation (DELILA) project (<http://www.delilaopen.wordpress.com>) was funded by the Joint Information Systems Committee (JISC) and the Higher Education Academy (HEA) and built on previous expertise the University of Birmingham had built up through projects such as BRUM (Birmingham ReUsable Materials) and the CaRILLO one day event.

DELILA was specifically aimed at releasing materials that could be used in teaching qualifications accredited by the HEA, such as the postgraduate teaching certificate in higher education offered at both LSE and Birmingham. A range of digital and information literacy resources were produced and shared in both the UK learning resources collection, Jorum and in local repositories at both institutions.

During the course of the project a number of issues became clear:

- There was a growing interest in librarians sharing their teaching materials in an open format and many were interested in using the OERs released as part of DELILA.
- Depositing materials into Jorum was useful, but finding information literacy resources in a large collection of teaching materials was potentially problematic.
- Librarians were obvious advocates for the OER movement and by sharing their own materials and developing systems to manage OERs, they could provide valuable advice and guidance to other teaching colleagues.
- Information literacy resources are potentially hugely valuable if they can be shared globally, given they are often resources that can be used to underpin lifelong learning.

The project leaders, Jane Secker and Nancy Graham had originally hoped that one output of DELILA might be a way of sharing information literacy resources across the UK library community, however this proved to be rather ambitious for a one year funded project.

Following the completion of DELILA, the project manager, Jane Secker was invited to join an international information literacy email list. A request was posted on this list in late 2010 for any details of how to find information literacy OERs. It seemed obvious to highlight the work of the DELILA project, which immediately attracted attention from the Programme Specialist at UNESCO for information literacy. Following several telephone discussions, it was agreed that this was an area of mutual interest and a small project was established to explore how information literacy OERs might best be shared, initially in the UK, but with a view to establishing a model that might work internationally.

2 Previous research

There is much anecdotal evidence to suggest that librarians are already sharing their information literacy teaching materials. A number of institutions (e.g. Cardiff University) have created resource banks of resources which other librarians are free to use and requests for good practice examples are common on the JISCMAIL list LIS-Infoliteracy. In addition the Information Literacy website (<http://informationliteracy.org.uk>) has maintained a list of teaching resources since it was first set up, including those which are specifically designed to be reusable. However there is little formal research to explore issues such as the role of librarians in promoting open educational resources with colleagues and their current practice around sharing their own teaching materials.

The most notable survey was undertaken in late 2011 by the Open University as part of the work of the Support Centre for Open Resources in Education (SCORE). It was completed by 23 institutions and aimed to get a national perspective on librarians' engagement with OERs, their understanding of licensing and their experience in using and findings OERs (de Beer, 2012). Our work wanted to build on this survey, but also to explore how committed librarians were to sharing their own information literacy teaching materials in an open format.

In 2008 a JISC report (Good Intentions) to explore the sharing of learning materials highlighted:

“Subject-based sharing of learning and teaching resources is highly likely to occur in the context of Communities of Practice (CoP)” (McGill et al, 2008).

The report used Wenger's notion of a community of practice (<http://www.ewenger.com/theory/>) as ...”groups of people who share a concern or a passion for something they do and learn how to do it better as they interact regularly.” Through the work of the CILIP Information Literacy group and the organisation of events such as LILAC there is a real passion amongst librarians in this field. The group seems to typify a community of practice, and could arguably be made more effective through resource sharing.

2012 has seen the publication of a Centre for Educational Technology and Interoperability Standards (CETIS) funded report by John Robertson, Gema Bueno de la Fuente and Stuart Boon: *The roles of librarians and information professionals in Open Educational Resources (OER) initiatives* (<http://publications.cetis.ac.uk/2012/492>). The report highlights the importance of the librarian role in managing OER content within institutions and their involvement in OER projects as advisors on IPR, metadata and information retrieval. The report also highlights the need for further training for librarians on use of open licences (see also IAU below), both as information managers and content creators.

Also in 2012, Samantha Appleyard, a student at Robert Gordon University, working at the Open University as a librarian, produced a Masters' dissertation entitled

A Survey of sharing and reuse of Information Literacy resources across Higher Education Libraries in the United Kingdom. Her survey and subsequent thesis echo much of this project's findings and those of the SCORE and CETIS report, that whilst sharing and re-use is happening, more engagement in community channels of support, advocacy and training are needed to achieve true openness. She also suggests that further research is necessary to confirm common criteria for open sharing.

Communities of practice also exist outside the information literacy field and there are a number of other relevant organisations who have been highlighted including:

SCORE

<http://www8.open.ac.uk/score/>

This 3 year initiative was hosted at the Open University and provided guidance and support to anyone involved in open educational resources, including training and awarding fellowships. The funding for SCORE ceased in July 2012 but it is hoped that much of its work will be continued by the Open Education Special Interest Group of Association of Learning and Teaching.

UNESCO

<http://www.unesco.org/new/en/communication-and-information/access-to-knowledge/open-educational-resources/>

Open educational resources are a key theme for UNESCO, as is information literacy. This focus has enabled strong links to develop between this project and contacts at UNESCO, resulting in attendance at the 2012 World OER Congress and continued support from their OER Programme Specialist.

IFLA

<http://www.infolitglobal.info/en/>

The International Federation of Library Associations set up an online repository of links to information literacy resources (InfoLit Global) in 2006 to share information literacy resources. They would be a good source of guidance and support and the UNESCO IL state of the art report (accessible via the InfoLit Global website) is a useful starting point to see how different countries are progressing with IL resources.

Jorum

www.jorum.ac.uk

JISC funded Jorum is a UK national learning object repository. As part of the JISC OER projects, OERs had to be uploaded to Jorum, so the site includes a wealth of up to date OERs. They also provide advice on sharing resources and will work with projects to develop processes to improve open sharing.

IAU

<http://www.iau-aiu.net/content/iau-oer-project>

The International Association of Universities, based in Paris, has recently begun a project on librarian involvement in managing OERs. We have had contact with IAU and will further develop links as this project continues as there is much to share on

both sides. The aims of their project link closely with the findings of both Appleyard and the CETIS report in that they focus on the importance of the role of the librarian in advocating OERs and that training on open licencing is needed to enhance the librarian role in OER initiatives.

3. Methodology

In the UK JISC has funded three rounds of projects to develop and release open educational resources. In several cases librarians have been involved in these projects, often to advise about licensing considerations, but sometimes to advise on issues such as cataloguing, metadata and the use of repository software. Through work on the Information Literacy website (<http://informationliteracy.org.uk>) there was also an awareness that librarians were already sharing their teaching materials often via websites, or informally through email or with colleagues in their own institution.

Rather than propose a new website or repository for sharing IL OERs it was agreed that a short survey would be undertaken to explore current practice in this field, to highlight websites and repositories that were being used as well as the potential barriers that prevented librarians from sharing their resources. It was agreed the survey would be launched at the international conference, LILAC which was being attending by librarians from the UK as well as over 20 other countries. A poster was devised to advertise the project and a short survey was posted online which those attending the conference were invited to complete. The survey was also distributed after the conference via the JISCMail list LIS-Infoliteracy. The questions used in the survey are available in Appendix 1.

The survey was open for one month, April 2012 and a second email to encourage responses was sent out towards the end of the month. When the survey closed, 101 responses were counted. Of those, 68 completed their demographic details. The tables below illustrate the responses by country and sector (greatest first).

Table 1: Respondents by country

Country	Number of responses
United Kingdom	45
United States	10
Canada	3
Republic of Ireland	3
Spain	2
Austria	1
Columbia	1
Estonia	1
Macedonia	1
New Zealand	1

Table 2: respondents by sector

Sector	Number of responses
--------	---------------------

Higher Education institutions	59
Secondary School	6
Health	2
Museum	1

Although the survey did attract a variety of respondents, the vast majority were from librarians working within UK Higher Education Institutions. Whilst this does limit the conclusions somewhat, it does help to strengthen a growing picture of sharing within this community.

4. Findings

In general, the findings support other existing surveys (SCORE 2012, Appleyard 2012) in that responses give a picture of an active community willing to share, but one that lacks confidence, skills and knowledge of technicalities such as Creative Commons licences and uploading to national learning repositories to be participating fully in sharing openly. Further details about the answers to each question are included in the sections below.

4.1 Librarians current re-use habits

The survey asked the following initial question:

Q. 1 - Do you already look for existing material before creating your own? If yes, which sites do you use?

85 people responded to this question and as this was an open question, respondents could put down as many or as few sites as they wanted to. Therefore, totals may exceed 85. The top sites are listed here (any site with more than one mention) but for a comprehensive list (with added URLs), please see Appendix 3.

Table 3: Sites used for finding existing teaching materials

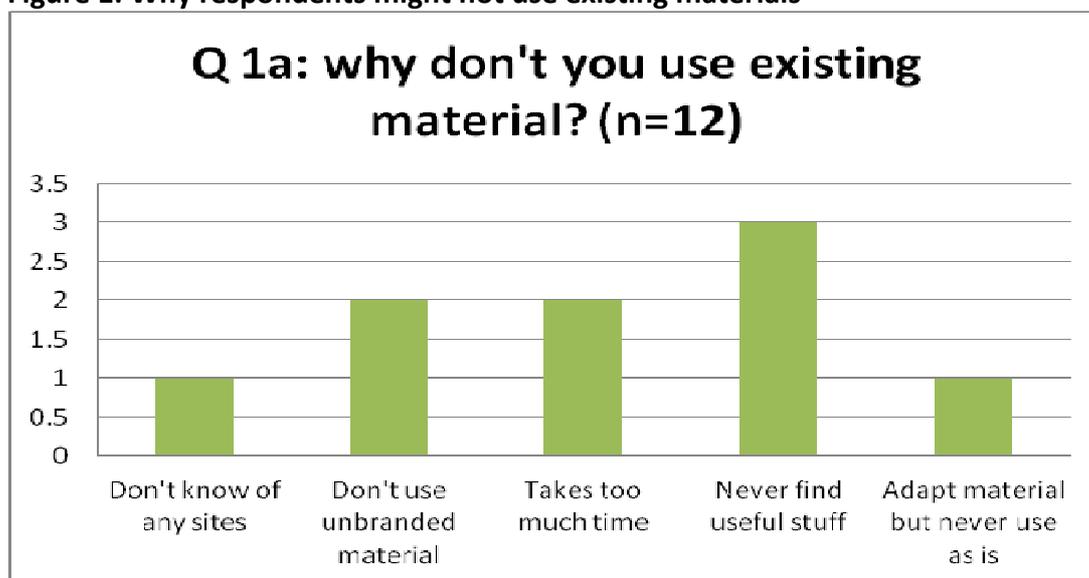
Website	URL	Votes
Jorum	www.jorum.ac.uk	22
Google Search	www.google.co.uk	12
YouTube	www.youtube.com	9
Cardiff Information Literacy Resource Bank	www.ilrb.cardiff.ac.uk	8
SlideShare	www.slideshare.net	8
MERLOT	www.merlot.org	8
Primo	http://www.ala.org/CFApps/Primo/public/search.cfm	4
Skills@Leeds	http://library.leeds.ac.uk/skills	4
Flickr	http://www.flickr.com/	3
TES teaching resources	http://www.tes.co.uk/teaching-resources/	3
Xpert	http://xpert.nottingham.ac.uk/	2
ANTS	https://dspace.ucalgary.ca/handle/1880/43471	2

MIT OpenCourseWare	http://ocw.mit.edu/index.htm	2
UEL InfoSkills	http://infoskills.uelconnect.org.uk/	2
Teach It	http://www.teachit.co.uk/	2
NDLR	http://www.ndlr.ie/	2
Creative Commons	http://www.creativecommons.org.uk/	2

The sites listed are a mixture of very popular websites (Google, YouTube, Flickr) and specific sites for sharing resources openly (Jorum, MIT OCW, MERLOT). It's also interesting (and heartening) to see a specific information literacy site in there (Cardiff's ILRB). Some of the sector specific sites (TES resources, Teach It) may be useful for those working in other fields as well.

Question 1 included an option for those who do not use existing material to explain in more detail why this might be. The results are summarised below in Figure 1.

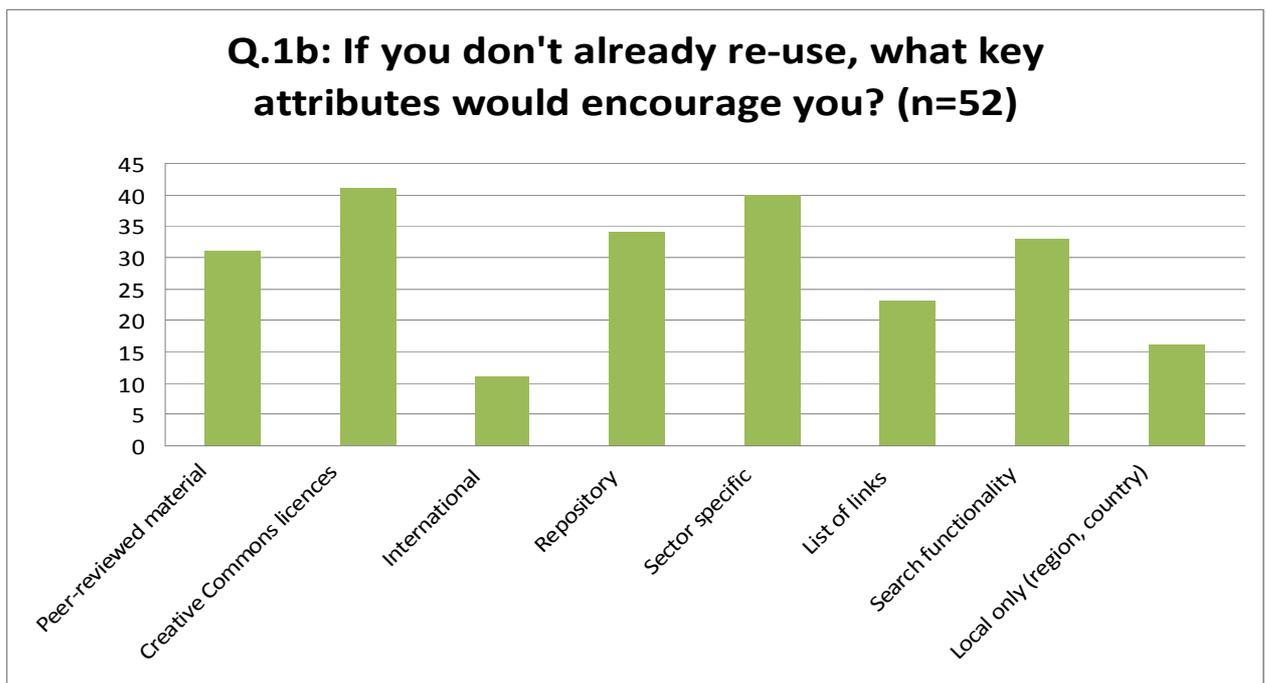
Figure 1: Why respondents might not use existing materials



Only 12 respondents answered this question, showing that it is a minority that are not currently looking for existing material. Of the small number that don't look to find existing material the most popular answer is that they don't find anything relevant.

Question 1 went on to explore what might motivate those who have an interest in finding existing materials to use a site for sharing content. A summary is presented in Figure 2.

Figure 2: what might encourage you to re-use materials

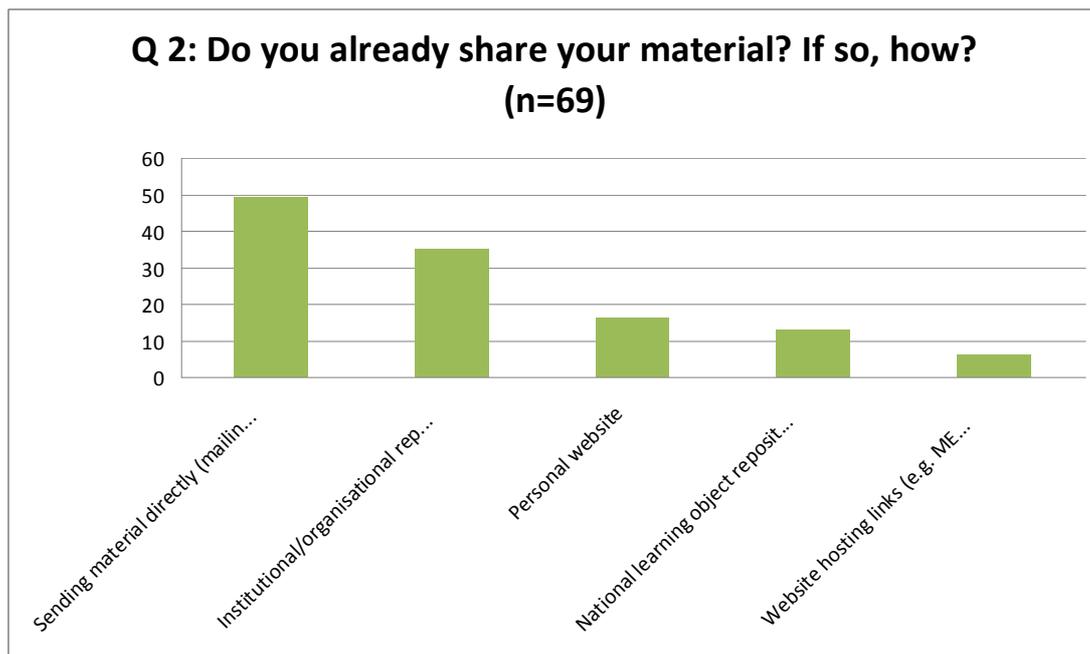


52 respondents answered this question, illustrating that there are far more librarians currently not sharing their teaching materials than would like to. For those that don't use existing material but would like to, the majority say that the most relevant attributes to a site is material arranged in sector and with explicit Creative Commons licences attached.

4.2 Librarians current sharing of their material

A group of survey respondents indicated that they are already sharing their teaching materials with others, so we asked them to tell us more about how they were doing this. A summary of the findings is presented in Figure 3.

Figure 3: How are you sharing your teaching materials?

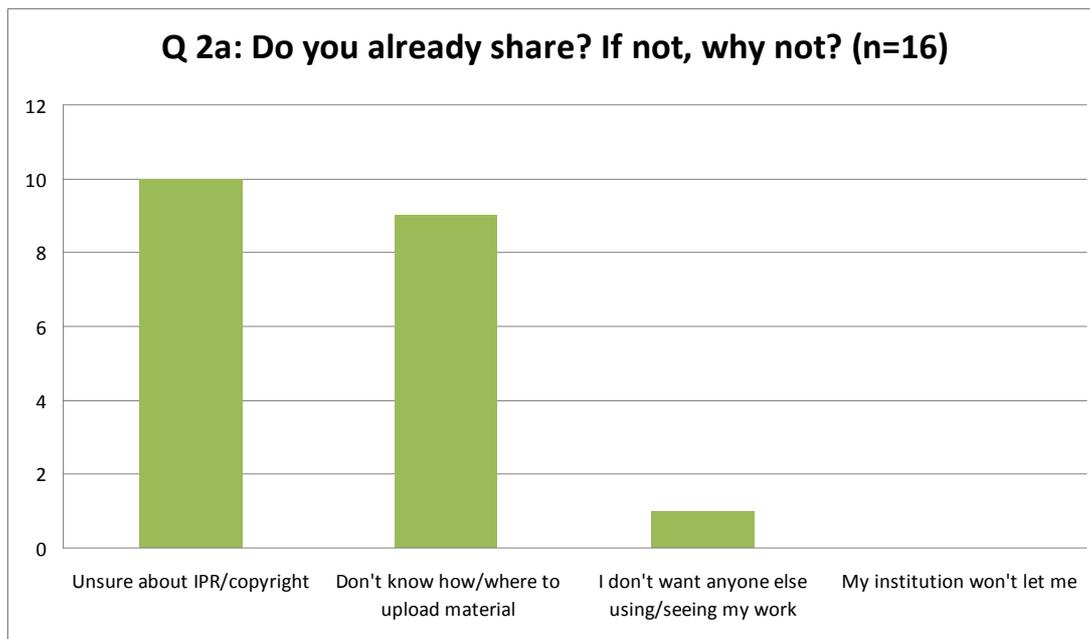


There were 69 responses to this question, indicating that a majority are sharing. However, the responses show this is through either closed professional networks or using an institutional/organisational repository, so possibly very local or very narrowly focused to the end user. Far fewer librarians are using national or global sites to share material even though subsequent answers indicate that many would like to use national repositories more.

4.3 - Barriers to sharing

The survey explored some of the potential barriers to sharing teaching materials as open educational resources in question 2. The results are summarised in Figure 4.

Figure 4: Why might you not be sharing your teaching materials?

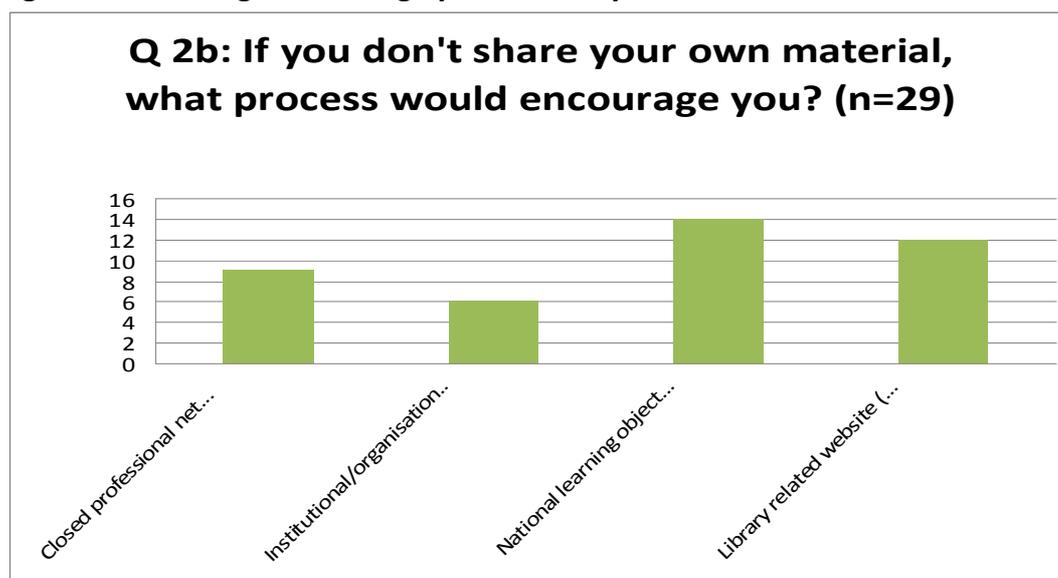


Encouragingly, this question elicited a small response. Respondents viewed the main barriers to sharing being unsure about IPR/copyright issues and not knowing how to share material, so both cultural and technical reasons applied here.

4.4 - Criteria for a sharing site

Question 2 also asked those respondents who might currently not be sharing their teaching materials about the process that might best suit them to enable this to happen. They were only allowed to tick one answer and the results are presented in Figure 5.

Figure 5: What might encourage you to share your materials?

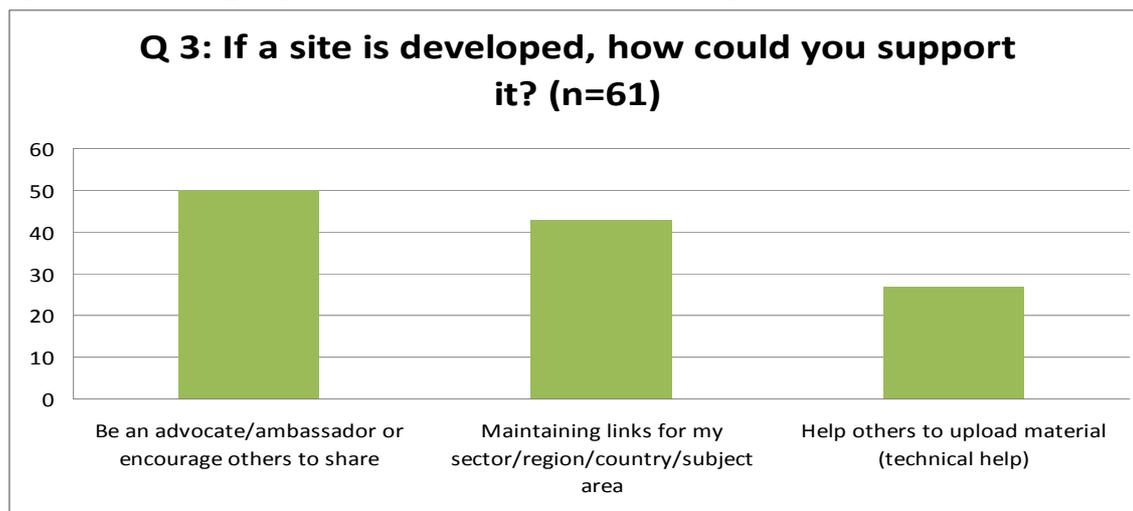


29 respondents answered this question. Interestingly, those that are not currently sharing but would like to view national learning object repositories as the best way of doing this, followed by library related websites such as InfoLit Global.

4.5 How librarians see their potential role

Finally the survey asked if librarians were interested in helping to maintain or promote a site for sharing information literacy resources and the results were encouraging as Figure 6 demonstrates.

Figure 6: How might you contribute to a site for sharing resources?



An encouraging 61 people responded to this question, giving a positive view of enthusiasm for not only sharing teaching material but also support of this activity. Whilst ambassadorial roles were most popular, many volunteered for a more active role, helping to maintain links for their sector or geographical region.

5. Conclusions and next steps

The key findings from the survey were as follows:

- The majority of librarians were currently sharing resources but in a focused, closed way
- A minority of librarians that aren't sharing would like to share with the right support in place
- More training on the use of open licences is needed
- Awareness raising of existing open resources sites is necessary to encourage sharing
- Respondents were keen to contribute to and support activity in this area

Overall, the survey paints a highly positive picture of librarians sharing their teaching materials within a fairly well defined community. Sharing in a closed way is already part of the culture and from the responses, open sharing is something many aspire to. Librarians have suggested that further development and training is required in areas that they are unfamiliar with, such as Creative Commons licences and

uploading material to national learning object repositories, all activities that could be easily supported and delivered.

5.1 Follow up workshop

In June 2012 respondents to the survey from the UK were invited to attend a follow up workshop. This was held on the 14th August 2012, at the University of Birmingham and entitled 'Building a community of practice to encourage sharing of IL teaching resources'. The CILIP Information Literacy Group kindly agreed to support this workshop providing refreshments and contributing towards the room hire.

17 librarians and others involved in developing teaching resources attended the event. Working in groups they discussed a variety of issues surrounding the sharing of teaching material and how the UK might take forward work in this area. The contributions were written up on a wiki – <http://iloer.pbworks.com> and formed the basis of a list of actions to take forward. These actions include:

- Nomination of a committee to take forward work in this area.
- Setting up mailing list for community of practice. This has been done and is at IL-OERS@jiscmail.ac.uk
- Seeking support from various library organisations for future events
- Organisation of training events, with the first being training for librarians in using Creative Commons in sharing teaching material with the intention of releasing all the resources for the workshop as an OER so it can be used by librarians in their own institution.
- A short scoping study on how a community of practice might work in reality.

It seems clear that building a community of practice requires more than simply providing a website or repository for uploading teaching materials. Therefore the short scoping study to explore other communities of practice that exist, how they work in practice and the variety of tools that can facilitate sharing will be undertaken as a next stage. Many of the participants at the workshop have already volunteered to work on this project, which indicates a high level of commitment to this project.

References

Bueno-de-la-Fuente, G and Robertson, J and Boon, S (2012) The roles of libraries and information professionals in Open Educational Resources (OER) initiatives. Available at: <http://publications.cetis.ac.uk/2012/492>

De Beer, Tracey (2012). SCORE Library Survey Report. Available at: <http://www8.open.ac.uk/score/news/score-library-survey-report>

McGill, L and Currier, S and Duncan, C and Douglas, P (2008) Good intentions: improving the evidence base in support of sharing learning materials. Project Report. Available at: <http://ie-repository.jisc.ac.uk/265/>

Appendices

Appendix 1: questionnaire

Survey to gather information on how librarians share Open Educational Resources (OER)

UNESCO definition: Open Educational Resources are teaching, learning or research materials that are in the public domain or released with an intellectual property license that allows for free use, adaptation, and distribution. Previous OER events (at LILAC, CaRILLO and DELILA) have informed us that librarians from different sectors and countries, want to know where to find existing high quality teaching and learning resources and how to share the material they have created. SCORE have also recently reported that librarians are keen to share but don't know how: <http://www8.open.ac.uk/score/news/score-library-survey-report>. Our proposal is to set up a site hosting links/resources for any librarian to upload and download material for training, including IL, digital literacy, media and ICT literacy. The CILIP CSG-Information Literacy group are delighted to support the project in collaboration with UNESCO. Help us to shape the site to suit you by answering the following questions. Jane Secker (j.secker@lse.ac.uk) and Nancy Graham (n.graham.1@bham.ac.uk) will be attending LILAC 2012 in Glasgow and will be handing out paper versions of this survey.

1. Do you already look for existing teaching material before or as well as creating your own? Yes - if so, which site(s) do you use?

1a Do you already look for existing teaching material before or as well as creating your own? No - not interested in using existing material. Why not?

1b Do you already look for existing teaching material before or as well as creating your own? No - but would like to. What sort of site/attributes would be suited to your needs? (Tick all that apply)

- Repository
- Sector specific
- Peer-reviewed material
- Creative Commons licences
- International
- Local only (e.g. UK, Australia)
- List of links
- Search functionality

2. Do you already share your teaching material with others, either formally or informally? Yes - how do you do this? (Tick all that apply)

- Personal website
- Institutional/organisational respository
- National learning object repository (e.g. Jorum)
- Website hosting links (MERLOT, InfoLit Global)
- Sending material directly (via mailing lists, email etc.)

2 a. Do you already share your teaching material with others, either formally or informally? No - don't want to share. Why not? (Tick all that apply)

- Don't know how/where to upload material
- My institution/organisation won't let me due to copyright restrictions
- Unsure about IPR/copyright - can I share my stuff?
- I don't want anyone else seeing/using my work

2. b Do you already share your teaching material with others, either formally or informally? No - would like to share but don't currently. What process would suit you best to get you sharing? (Tick ONE ONLY)

- Institutional/organisational respository
- National learning object repository (e.g. Jorum)
- Library related website (e.g. InfoLit Global)
- Closed professional networks (e.g. mailing lists)

3. If a site was developed, would you be interested in volunteering to do any of the following? (Tick all that apply)

- Maintaining links and material for your sector/region/country/subject area
- Be an advocate/ambassador to encourage others to share
- Help others to upload material (technical/practical help)

Any other comments/suggestions?

Name Please add your contact details if you are interested in getting involved

Appendix 2: Free text comments from questionnaire

- I would like to share more
- \$\$\$ support librarians!
- Fantastic effort! I am very excited to learn more. I feel that this is a great feature for those of us who are possibly new librarians to those that just need some fresh ideas. I learn much from conferences, but would like to have a place to keep going back to and getting fresh and up to date ideas. So far consulting library libguides by SpringShare has been somewhat successful and I contact the creator to ask if I can use the material. I have always been encouraged to use anything that I find there, so it would seem that sharing is appreciated and needed and understood.
- Would be great to have OERs in context e.g. how they should be used, session plans etc
- Good development
- I currently only share amongst colleagues at my institution but we don't as yet have a specific repository for IL resources. I would be interested in getting involved in developing a site for IL OERs and would also like to know more about depositing OERs in [Jorum]. I've attended CaRILLO and DELILA events.
- As a team of subject librarians, we have always brought together ideas from the other institutions where we previously worked, and from professional training sessions and conferences, but only now looking at OERs and the concept of OERs.
- as discussed with Nancy at LILAC we would like to share further some of RLOs developed in Ireland.
- Would like to be involved but don't currently have the time to volunteer or help
- to be honest, feel shy about sharing materials. always a bit worried that might not be up to scratch.
- Schools are increasingly asking for this information but many staff are part time and solo workers
- and find it difficult to access this material and/or create it due to a lack of knowledge about systems that could be used to create the resources. Being able to point them to a one stop shop would be very useful. Expectations for A levels and the introduction of courses like the EPQ mean that there are increasing demand for such materials.

- There is some interesting work being done by Nottingham in terms of their peer reviewing and quality control. I think this is also an important aspect of OERs.
- It would be fantastic to have more information about this and share more. Many of us are not so confident with this but we would all benefit if this was more publicised with tutorials etc. I have tried to use Jorum few times but the functionality is not great. We (Vivien Sieber) used jorum to create our own skills portal.
- This is an excellent initiative. Many thanks, Jane and Nancy.
- Excellent idea.
- Helpful to differentiate between library focus instructional materials vs. crit thinking IL materials. Also a 'best practices' tool for integrating activities, working with faculty etc.
- I attended a meeting of Partner Colleges with one of our university partners and this subject was raised - some were very keen to share, others not - my view is if the materials are of good quality and are copyright compliant, why re-invent the wheel!
- iTunesU is the rep of choice for many institutions, it should be included in the list of choices, Ted Talks is a great resource too. and anything that can be searches by CC licence types would be of great help.
- My resources are available at [researchcentral.wordpress](http://researchcentral.wordpress.com) and at [ancil](http://ancil.com)
- I've loved working on the IL package for my college and developed one for FE and HE, recently I have been involved in looking and advising improvement for out college study zone. I am keen to see what others have done in this field.
- I do share my teaching and learning materials but not in a repository, they are freely available in different locations of the corporate site e.g. advice pages, library catalogue home. I would be keen on finding on more CC content.

Appendix 3: List of websites used by librarians to find existing IL OER content

Website	URL	Votes
Jorum	www.jorum.ac.uk	22
Google Search	www.google.co.uk	12
YouTube	www.youtube.com	9
Cardiff Information Literacy Resource Bank	www.ilrb.cardiff.ac.uk	8
SlideShare	www.slideshare.net	8
MERLOT	www.merlot.org	8
Primo	http://www.ala.org/CFApps/Primo/public/search.cfm	4
Skills@Leeds	http://library.leeds.ac.uk/skills	4
Flickr	www.flickr.com	3
TES teaching resources	http://www.tes.co.uk/teaching-resources/	3
Xpert	http://xpert.nottingham.ac.uk/	2
ANTS	https://dspace.ucalgary.ca/handle/1880/43471	2
MIT OpenCourseWare	http://ocw.mit.edu/index.htm	2
UEL InfoSkills	http://infoskills.uelconnect.org.uk/	2
Teach It	http://www.teachit.co.uk/	2
NDLR	http://www.ndlr.ie/	2
Creative Commons	http://www.creativecommons.org.uk/	2
Open Learn	http://openlearn.open.ac.uk/	1
University of Birmingham repository	http://ubira.bham.ac.uk/	1
Info Literacy journals		1
Alfared	http://www.alfared.org/	1
Alfinibero America wikispaces	http://alfiniberoamerica.blogspot.co.uk/	1
Libguides	www.libguides.com	1
CCCOER	http://oerconsortium.org/	1
LTS	http://www.educationscotland.gov.uk/index.asp	1
Authorstream	http://www.authorstream.com/	1
Prezi	www.prezi.com	1
Google images	www.images.google.co.uk	1
VADS	http://www.vads.ac.uk/	1
IL site	www.informationliteracy.org.uk	1
Email discussion lists		1
Tufts	www.tufts.edu	1
iTunesU	http://www.apple.com/education/itunes-u/	1
Khan Academy	http://www.khanacademy.org/	1
JCSP Literacy	http://www.jcspliteracy.ie/	1
Open University SAFARI	http://www.open.ac.uk/safari/	1
Informationkompetenz	http://www.informationskompetenz.de/	1

(German)		
InfoLit Global	http://www.infolitglobal.info/en/	1
UNESCO	www.unesco.org	1
ACRL IL group list		1
Library Instruction Cookbook	http://libraryinstructioncookbook.blogspot.co.uk/	1
Grand Valley State University	http://www.gvsu.edu/	1
EBSCO Host	www.ebscohost.com/	1
Infotrac	www.infotrac.net/	1
Yippy.com	http://yippy.com/	1
HEA	http://www.heacademy.ac.uk/	1
Sydney University	http://sydney.edu.au/	1
ASK at Staffordshire University	http://www.staffs.ac.uk/ask/	1
JISC	www.jisc.ac.uk	1
ANCIL	http://newcurriculum.wordpress.com/	1
LOEX	http://www.emich.edu/public/loex/loex.html	1
Heart of the school	http://heartoftheschool.edublogs.org/	1
LION	http://blip.tv/LIONTV	1
ALA	www.ala.org	1
DELILA	http://delilaopen.wordpress.com/	1
Other colleagues		1
Yes but unspecified		9
Other HEI sites/repositories		6
No		3