

"Libraries Model Sustainability": The Results of an OCLC Survey on Library Contributions to the Sustainable Development Goals

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April 2023

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Postprint citation:

Connaway, Lynn Silipigni, Brook Doyle, Christopher Cyr, Peggy Gallagher, and Joanne Cantrell. 2023. "Libraries Model Sustainability': The Results of an OCLC Survey on Library Contributions to the Sustainable Development Goals." Postprint. Published 08 February 2023. Dublin, OH: OCLC Research. <https://doi.org/10.25333/b4kj-7c16>.

Journal article citation:

Connaway, Lynn Silipigni, Brooke Doyle, Christopher Cyr, Peggy Gallagher, and Joanne Cantrell. 2023. "Libraries Model Sustainability': The Results of an OCLC Survey on Library Contributions to the Sustainable Development Goals." *IFLA Journal*. <https://doi.org/10.1177/03400352221141467>.

“Libraries model sustainability”¹: The results of an OCLC survey on library contributions to the Sustainable Development Goals

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First published: February 8, 2023 in the *IFLA Journal*.
<https://doi.org/10.1177/03400352221141467>

Introduction

Libraries play an important role in shaping the United Nations’ Sustainable Development Goals. During the IFLA (International Federation of Library Associations and Institutions) Congress in Lyon, France in 2014, the Lyon Declaration on Access to Information and Development was signed by more than 600 libraries, library organizations and others. It called on the United Nations to include access to information in the post-2015 Sustainable Development Agenda. The Declaration emphasized the importance of access to information in order for people to exercise their rights, engage in economic activities, learn new skills, express their cultural identity and take part in decision-making within their communities (IFLA, 2014).

The SDGs were adopted in 2015 and include 17 overarching goals for global development by the year 2030. According to the United Nations (2022), the SDGs “are the blueprint to achieve a better and more sustainable future for all. They address the global challenges we face, including poverty, inequality, climate change, environmental degradation, peace and justice.” Each goal has several subgoals with targets to measure progress attached. The Lyon Declaration influenced the creation of subgoal 16.10, which seeks to protect and promote public access to information (Garrido and Wyber, 2019). Our research contributes to the literature by addressing whether the SDGs are integrated in libraries’ strategic planning. If so, what library activities do staff perceive impacting the SDGs? The research questions were:

¹ “Libraries model sustainability” came from a survey respondent’s answer.

R1: Are library staff aware of the SDGs?

R1a: If aware of the SDGs, are library staff integrating the SDGs into their strategic planning?

R1b: If not aware of the SDGs, are library staff considering the integration of the SDGs into their strategic planning?

R2: Which of the five specifically identified SDGs do staff perceive libraries impacting the most?

R3: What activities are library staff doing to further the five specifically identified SDGs?

R3a: To what degree (i.e. do on a regular basis, do on occasion, used to do this but no longer do, never done this, not sure) has the library participated in activities to support the 5 identified SDGs?

R4: What other SDGs do staff perceive libraries impacting the most and why?

From November 2020 to January 2021, OCLC, a global library cooperative organization, conducted an online survey of library staff worldwide to identify how library activities were advancing progress towards five of the United Nations SDGs. OCLC Global Council delegates shortlisted the five SDGs where they believed libraries could have the greatest impact: Quality Education (SDG 4), Decent Work and Economic Growth (SDG 8), Reduced Inequality (SDG 10), Peace, Justice and Strong Institutions (SDG 16) and Working in Partnership to Achieve the Goals (SDG 17). The global survey, launched in November 2020, focused on the specific activities that library staff are doing to further these five SDGs, awareness of the SDGs in general and how they were integrated into library strategic planning. The survey was disseminated widely by the OCLC Global Council delegates and via social media. Since library staff have been addressing many of these areas since long before the SDGs were adopted, the researchers were interested in investigating the connection between the adoption of the SDGs and these activities.

Here, we present some of the findings from this survey. In particular, we discuss library staff's awareness of the SDGs, the extent to which the SDGs have been incorporated into strategic planning and some of the most common library activities for each of the five selected SDGs. The results indicate that, whether intentionally or incidentally, some libraries incorporate the SDGs into their planning and include SDG-related activities through their programs and offerings. Overall, library staff saw quality education as the top goal where they felt that libraries could have an impact. There was, however, variation in SDG activity based on region and library type. This is not surprising, as library staff serve their own unique communities and structure activities based on their communities' needs.

Review of literature on libraries' impact on the SDGs

Libraries play an important role in achieving the SDGs. As Omona explains (2020: page 15), "building an ideal nation requires a holistic approach and all facets of human activities and indices of nation building must be taken care of if all SDGs are to be achieved." In some cases, libraries contribute to the SDGs through activities based on explicit strategic choices. More commonly, however, it is as a result of their overall mission, with activities that they were conducting long before the SDGs were adopted. Gayshun (2016) provides examples of how libraries have impacted all 17 of the SDGs. For example, they have contributed to ending hunger (Goal 2) by helping farmers apply for subsidies, fostered innovation (SDG 9) through supporting open science and helped the climate (Goal 14) through providing conservation education (Gayshun, 2016). Library associations have shown that the SDGs can act as a framework for evaluating library impact. For example, the European Libraries and Sustainable Assessment working group called for indicators of library impact to be framed around the SDGs (European Bureau of Library, Information and Documentation and Associations, 2022). Similarly, IFLA created a storytelling manual to help libraries describe their activities in the context of the SDGs (IFLA, n.d.).

One of the main ways that libraries have been involved in furthering the SDGs is through providing access to information. This directly contributes to Goal 16, which, as mentioned above, has access to information as one of its subgoals. Garrido and Wyber (2019: p7) argue that access to information is "not an end in itself, but rather a driver of progress across the board. It empowers people and communities, laying the foundations for equality, sustainability and prosperity." They argue that there are four important dimensions for access to information to be meaningful in promoting development: an infrastructure for access to information, a positive social context for its use, community members capable of accessing information and a favorable legal and policy landscape (Garrido and Wyber, 2019).

Libraries also are essential in bridging the digital divide, or inequality in access to computers and the internet and the skills and confidence to use them, that exists globally. In many parts of the world, libraries are the only source of computer and internet access (Sey et al., 2013). Even when individuals have private internet access, public internet access remains an important complement to it. In a study of teenagers in South Africa, Walton and Donner (2012) found that teenagers had different forms of internet access (e.g., mobile phones and library computers) and developed use patterns around the strengths and weaknesses of each of these forms of access. A study of libraries working to bridge the digital divide in Lithuania found that libraries are important for creating digital inclusion, not only because they loan out materials, but also because they conduct digital literacy training and work with users to help increase their information capabilities (Manžuch and Macevičiūtė, 2020).

Chowdhury and Koya (2017: page 2133-2134) elaborate on the necessity of digital literacy to achieve the targets in the SDGs:

"... While these [data management] skills are essential for information professionals, some of these may also be helpful for students, researchers,

professionals and managers in every discipline and sector so that everyone becomes familiar with the basic data skills...[These] can be promoted through education and training in sustainable data and information practices.”

In addition to providing access to information and information literacy, libraries contribute to sustainable development through fostering social capital within their communities, a contribution researchers have increasingly come to recognize. Social capital refers to the connections among individuals within a community and the norms of reciprocity and trust between them (Putnam, 2000). In a study of differences between Northern and Southern Italy, Putnam et al. (1994) argue that the economic differences between the two regions can be attributed to the differences in social capital. In Putnam’s study focused on the United States (2000), he argues that there has been a decline in social capital over the past several decades.

As one of the few centers within the community that can be considered a welcoming environment, where people can congregate with no expectation of spending money, libraries can help bring members of a community together. In a 2020 survey of Danish citizens, Lauersen (2021) developed four dimensions for understanding the impact of this. Libraries can be a haven for people to immerse themselves, they can offer perspective, they can stimulate creativity, and they can form and maintain community. Their connections within the community have allowed libraries to generate social capital within parts of the community that other organizations are not always able to reach. A study of refugee integration by Oduntan and Ruthven (2021) highlighted the importance of information professionals in this regard, showing that people are an important source of information as refugees navigate integration systems and legal processes.

This role as a community center can help generate social capital by fostering bridging and bonding between different parts of the community. This topic received widespread attention in 2018 when Klinenberg wrote a popular book that argued that libraries can be a third place, or place where members of the community can come outside of home and work, that can bring people together to generate social capital (Klinenberg, 2018). Klinenberg was building on a larger body of academic literature that focuses on the role that libraries play in generating social capital.

Varheim (2007) was an early proponent for research into how public libraries create social capital. Varheim (2011) has shown that libraries are able to generate social capital among immigrant communities through activities designed to appeal to immigrant populations, such as ESOL (English for Speakers of Other Languages) classes and civics programs. He also has demonstrated that libraries were a key part of the recovery efforts after a Tsunami in Japan (Varheim, 2015). Cox and Streeter have reported that Americans who live close to amenities like libraries feel greater levels of social connection with their communities (Cox and Streeter, 2019). Ferguson argues that libraries can generate additional social capital through community outreach, provision of meeting spaces and provision of universal spaces (Ferguson, 2012). All of these provide examples of the different ways that libraries benefit community development through creating social capital.

There also are studies addressing green libraries and environmental sustainability. For example, Mathiasson and Jochumsen's (2022) recent literature review indicated that the number of research publications on the topic of libraries and librarians working with or contributing to sustainability and sustainable development has grown since the late 90s, with notable increases since the 2010s. However, they contrast the vast number of publications on green libraries, with the few reviews of research on libraries, sustainability, and/or sustainable development. The literature on sustainable architecture (e.g. (Hauke, Latimer, & Niess, 2021) and green information literacy (e.g. Kurbanoglu & Boustany, 2014), and best practices in environmental sustainability in academic libraries (e.g. Jankowska, 2014) are beyond the scope of this paper. This research addresses 5 specific SDGs that were identified by the GC delegates as the ones libraries are most likely to impact.

Kosciejew (2020) noted that the emerging LIS literature addressing the sustainable development agenda concentrates on case studies of the role of libraries or librarianship in specific countries related to the SDGs. Edwards (2018: page 7) concluded that the research indicates that quite a bit of what libraries are already doing aligns with the SDGs but that "librarians and information professionals need to find better ways to communicate and assess their contributions as well as new ways to build partnerships and collaborations towards SDG achievement."

While previous research provides evidence that libraries perform essential functions in the achievement of the SDGs in general, little work has been done to identify the ways that the SDGs are used in library planning and how library activities could impact the SDGs. The sparsity of research in this area provided the impetus for the survey that OCLC conducted to identify the library activities that can further the SDGs and if and how the SDGs are being considered and integrated into library strategic planning.

Research design

OCLC Global Council is made up of 48 member-elected library leaders from around the world to represent library interests from each of OCLC's three Regional Councils and help inform OCLC strategic directions. In March 2020 the Global Council selected the SDGs as its 2020-21 area of focus. Activities around this area of focus included research and engagement events designed to identify how libraries can further the SDGs and to help library staff include the SDGs in their strategic planning. As part of this activity, OCLC disseminated a survey to library staff worldwide to identify the specific activities that they are doing to address the SDGs.

Prior to the survey, researchers at OCLC conducted three virtual focus group interviews (see Appendix A for Focus Group Protocol) with a total of 16 Global Council delegate participants and a survey completed by 40 OCLC Global Council delegates (AUTHOR and AUTHOR, 2020). One major goal from this was to identify the five SDGs that the Global Council believed that libraries could have the greatest impact on, which would then be used to design the survey distributed to the broader library community. The five SDGs selected from this process were:

- Quality Education (SDG 4)
- Decent Work and Economic Growth (SDG 8)
- Reduced Inequalities (SDG 10)
- Peace, Justice and Strong Institutions (SDG 16)
- Partnerships for the Goals (SDG 17)

For each of the five SDGs chosen, researchers identified common library activities that support the goal, based on a literature review of libraries and their impact on the SDGs and the discussion in the virtual focus group interviews. For example, under SDG 4 (Quality Education), some of the activities included in the survey were “Offer training/instruction/classes/ courses, etc. for students, faculty and/or staff”, “Provide services and/or facilities specifically for remote learning”, and “Provide technology hardware for teaching and learning (e.g., Chromebooks, laptops, tablets)”. Academic library respondents and public/other library respondents received different lists of activities, though many were similar.

A survey was conducted from November 9, 2020 – January 30, 2021. See Appendix B. An invitation to participate in the survey was shared with OCLC Global Council delegates on November 9, 2020, who were encouraged to share the survey link within their networks. Invitations to participate in the survey also were shared with previous IFLA/OCLC Fellows, online through the OCLC Community Center through OCLC social media channels such as Facebook, LinkedIn and Twitter. It was a purposive, convenience sample that also relied on the snowball sampling technique to identify and include global library staff.

In the survey, respondents were asked the type of library in which they work, the community size and the country where their library is located. They were given a list of between six and nine activities for each of the five SDGs (35 total activities) and asked to indicate the degree to which their library participates in each activity. The choices for answers were “We do this on a regular basis (e.g., daily, weekly, monthly, etc.)”, “We do this on occasion or as the need arises”, “We used to do this but no longer do”, “We have never done this”, and “Not sure”. For each SDG, respondents also were given an open-ended textbox where they were asked to provide and describe examples of activities that their library has done in the last five years related to the SDG.

In addition to being asked about library activities, respondents were asked about their familiarity with the SDGs, where they first learned about the SDGs, the extent to which the SDGs are incorporated into their library’s strategic planning, how they would rank the five chosen SDGs in terms of the level of impact libraries could have on them and which SDG not included in the survey they believe that libraries can most impact. If respondents were not familiar with the SDGs, skip logic was used to omit any questions specific to familiarity with the SDGs or incorporation of the SDGs into strategic planning. The respondents were then asked questions about the perceived impact of the library’s activities on the five identified SDGs. See appendix B for the complete survey including skip logic.

The online survey had 1,722 respondents in total. As shown in Figure 1, 65% of the respondents came from the Americas (n=1,125); 26% (n=448) from Europe, the Middle

East and Africa; and 9% (n=148) from Asia Pacific. Sixteen countries represent the Americas, with the majority of responses coming from the United States (n=973) and Canada (n=75). Within Europe, the Middle East and Africa, the largest groups of respondents were in Italy (n=69) and Germany (n=46). Asia Pacific comprises 20 countries, with the most responses coming from Taiwan (n=30), Australia (n=24) and the Philippines (n=24). Fifty percent (n=866) of respondents represented academic (or educational) libraries. As shown in Figure 2, nearly a third (31%, n=533) are from public libraries and 19% (n=323) are from other library types, such as national, government, corporate, law, museum and medical libraries, as well as research centers/institutes and consortia.

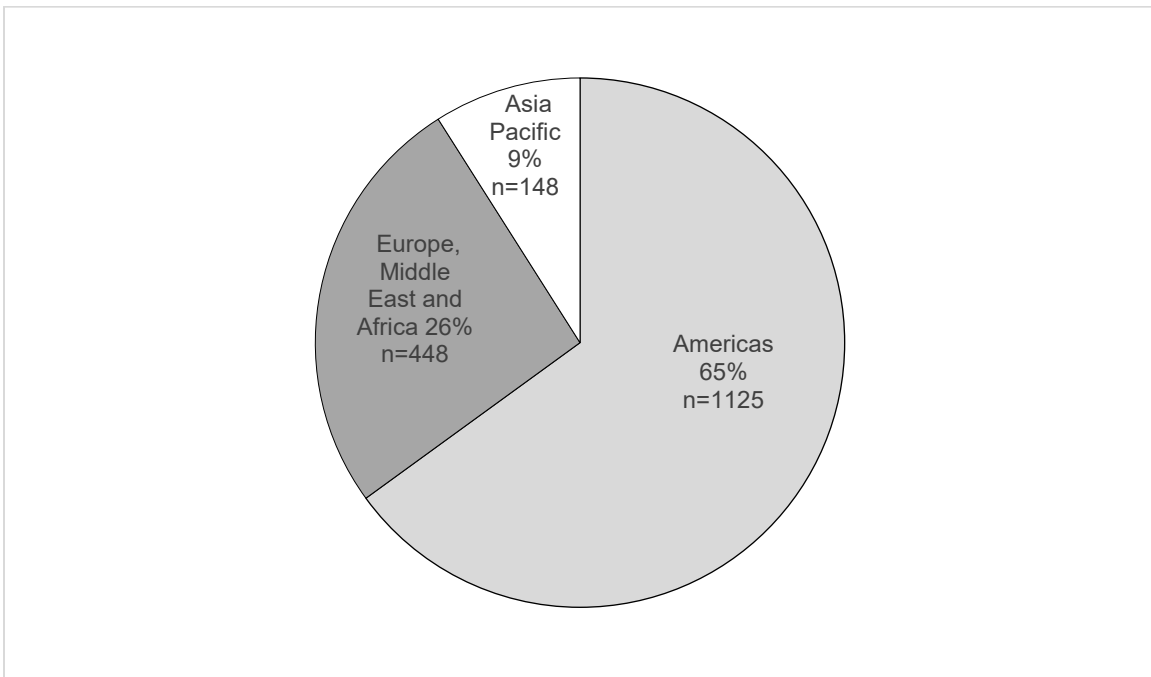


Figure 1. Respondents by Region, N=1722.

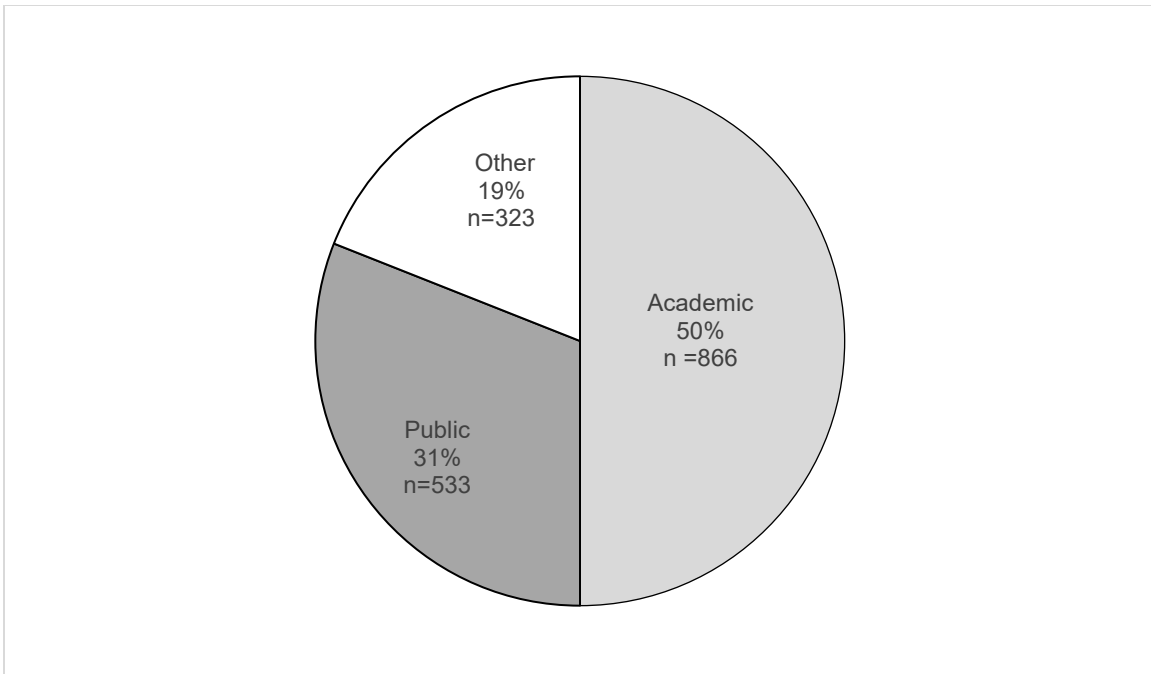


Figure 2. Respondents by Library Type, N=1722.

Results and discussion:

To answer R1 (Are library staff aware of the SDGs?), respondents were asked, “How familiar are you with the United Nations Sustainable Development Goals (SDGs)?” and nearly two-thirds (63%) of total respondents reported they are at least somewhat familiar. Respondents in the Asia Pacific region (82%) and the Europe, Middle East and Africa region (78%) are more likely to be at least somewhat familiar with the UN SDGs compared with those in the Americas (54%). Respondents also were asked how they first learned about the SDGs. More than a quarter learned about the SDGs from OCLC (28%) and IFLA (27%). About a fifth learned about them from news sources (20%), the United Nations (18%), at a conference or other event (17%), or from a colleague (16%). 1% (n=17) of respondents first learned about the SDGs from ASIS&T.

To answer questions R1a (If aware of the SDGs, are library staff integrating them into their strategic planning?) and R1b (If not aware of the SDGs, are library staff considering the integration of the SDGs into their strategic planning?), respondents were asked, “To what degree, if any, has your library incorporated the SDGs into your strategic planning?” While fewer than a tenth (6%) of total respondents have explicitly referenced the SDGs in their strategic plans, 30% have considered SDGs as part of their strategic planning efforts even though they do not explicitly reference them; 41% have not incorporated the SDGs and just under a quarter (23%) are not sure (Figure 3).

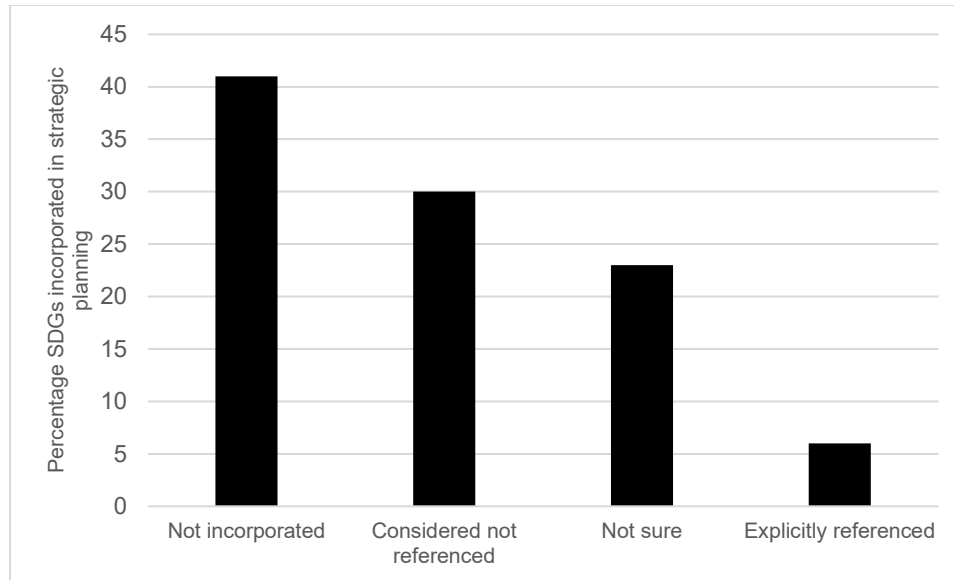


Figure 3. Use of the SDGs in Strategic Planning. N=1023

Some variation by region is worth noting. The Americas had the highest percentage (52%) that did not incorporate the SDGs in their strategic plans versus 26% in Europe, the Middle East and Africa and 28% in the Asia Pacific region. Similarly, the Americas had the lowest percentage (2%) that explicitly referenced the SDGs in their strategic plans while the Asia Pacific region had 9% and Europe, the Middle East and Africa had 13%.

Figure 4 shows the average number of SDG-related activities academic and public library staff regularly do in relation to how SDGs are incorporated in their strategic planning. On average, academic library staff who explicitly referenced the SDGs in their strategic planning did almost 13 activities regularly. Those that did not explicitly reference them but considered them as part of their strategic plan did a little more than 11 activities, on average, while those that did not incorporate the SDGs did a little under 10 activities. For public library staff respondents, there is a similar relationship, though the impact isn't quite as strong. Public library staff who explicitly reference the SDGs or consider them as part of their activities did an average of a little more than 11 activities regularly, while those that did not incorporate them did a little under 10 activities regularly. These data indicate that library staff who explicitly or implicitly consider the SDGs in their strategic planning also tend to carry out more SDG-related activities. There could be a relationship between SDG-related activities and the explicit or implicit consideration of the SDGs in strategic planning.

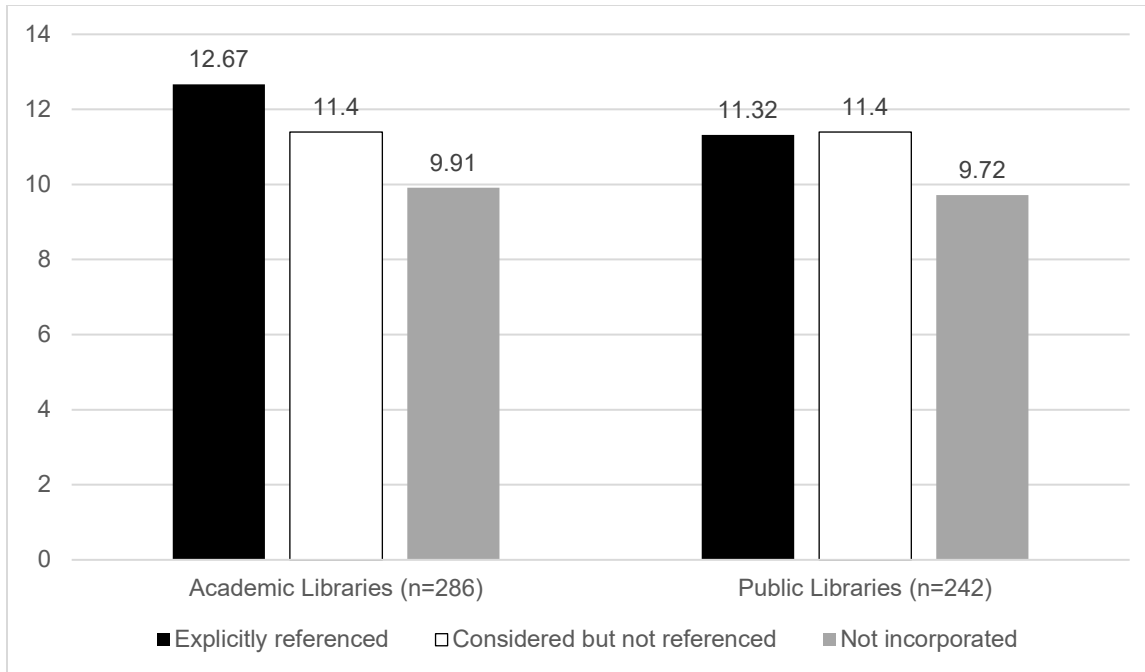


Figure 4. Average Number of SDG Activities by Level of Incorporation into Strategic Planning.

Library Impact on Top Five SDGs

To answer R2 (Which of the five specifically identified SDGs do staff perceive libraries impacting the most?), respondents were asked, “Out of the following 5 SDG goals identified by your elected OCLC Global Council delegates, please rank where you think libraries could have the greatest impact.” As shown in Figure 5, respondents from all regions and library types ranked Quality Education, SDG 4, the highest. This goal has an average ranking score of 4.5 out of 5. Reduced Inequalities; Peace, Justice and Strong Institutions; and Decent Work and Economic Growth were all ranked similarly near the middle, with Partnerships for the Goals having the lowest average rank of any of the five goals.

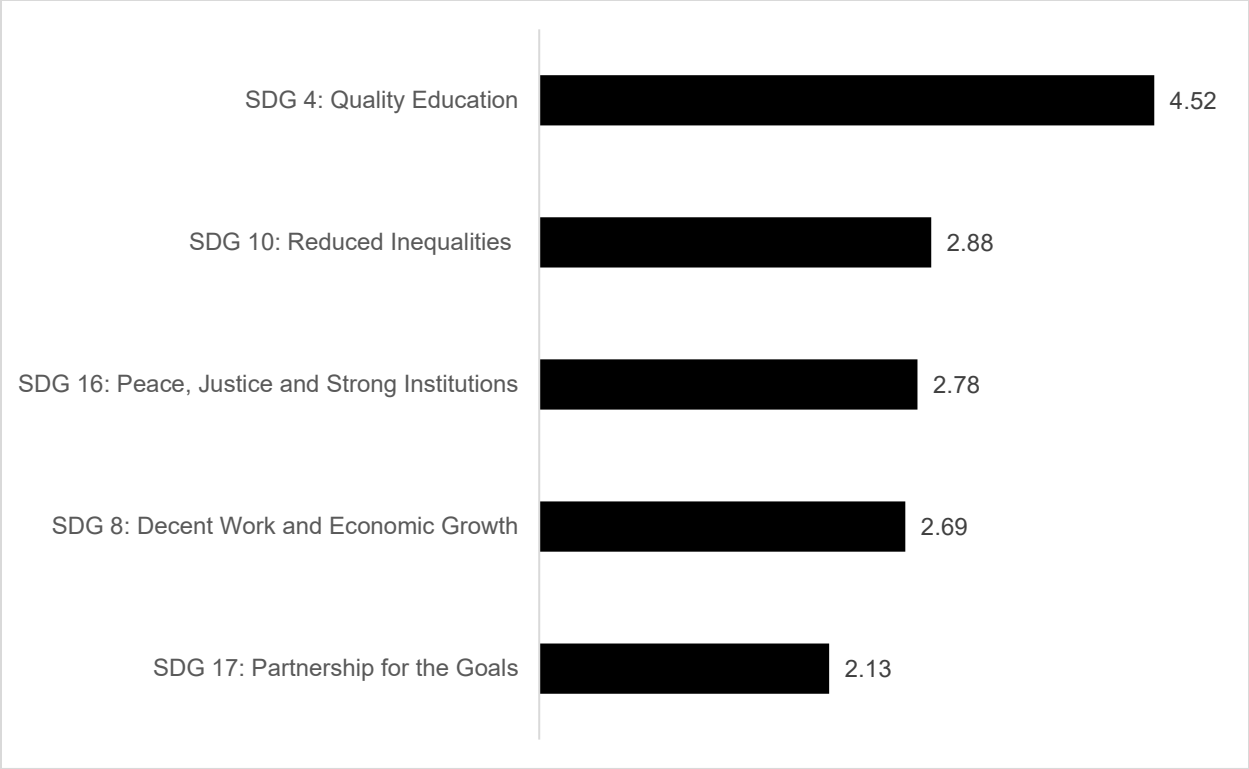


Figure 5. Average Ranking of Impact that Libraries Can Have on Goal. N=1396

To answer R3 (What activities are library staff doing to further the 5 identified SDGs?) and R3a (To what degree has your library participated in activities to support the 5 identified SDGs?), for each of the 5 identified SDGS respondents were asked about how frequently their library participated in a list of activities identified from the literature and the virtual focus groups OCLC conducted. The results and discussion follow.

SDG 4 – Quality Education Quality Education was the top goal that respondents of all library types thought that libraries could have an impact on. Almost all respondents said they offered training, instruction, classes, or courses (Figure 6).

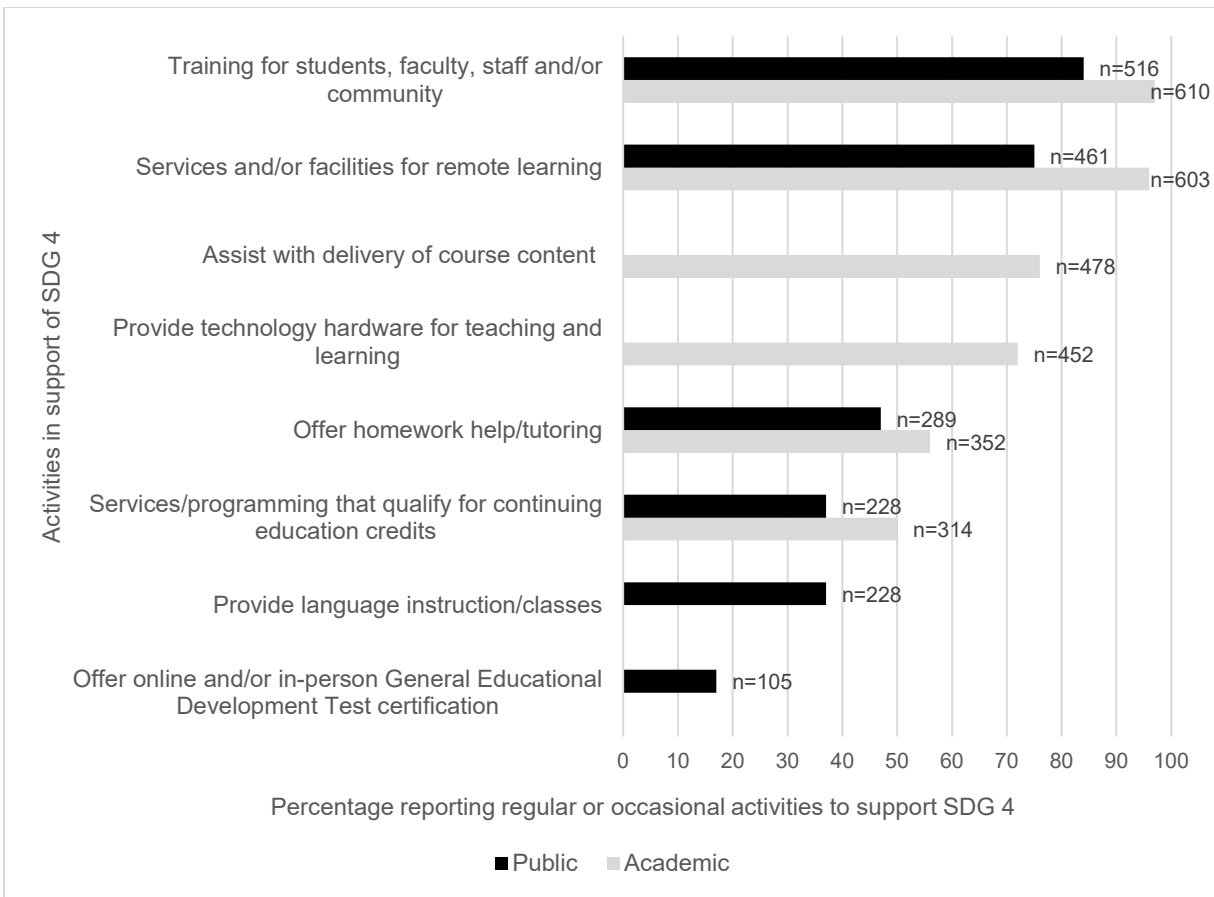


Figure 6. Percent of Respondents Reporting Regular or Occasional Activities to Support Quality Education. N=629 (academic), N=615 (public)

Note: Some questions only were applicable to public libraries and others only to academic libraries, so some responses only have data from one type of library.

Seventy-six percent of academic library respondents said that they regularly offered training, instruction, classes, or courses for students, faculty and staff and another 21% said that they did it on occasion. In the open-ended section of the questionnaire, respondents were asked to describe examples of their library’s activities that related to quality education. The top mentioned example was library or information literacy instruction, which 59% of academic library respondents discussed. One academic library staff member in the Bahamas described the diverse types of instruction that their library provided, saying:

“We provide new students with Library Orientation classes. We also provide research assistance for students completing course assignments. We offer lecture series [on] relevant, historical and current events in our country. We have students visit other countries for worldview exposure, during their course of study.”

The second most frequent activity was providing services or facilities specifically for remote learning. Seventy-four percent of respondents said that they did this on a regular basis and another 19% said that they do it on occasion. A majority of academic library

respondents also either regularly or occasionally assisted with the delivery of course content (76% of respondents) and provided technology hardware for teaching and learning (72% of respondents). As one academic library staff member in the United States explained, “We are the first stop for technology and writing support. We create videos and assist patrons with research strategies and provide good resources.”

Among public and other types of libraries, the top activity for quality education also was providing training, instruction, courses and classes for the community, with 56% of respondents doing this regularly and 28% doing it on occasion. A majority of public and other library type respondents also said that they provided services or facilities for remote learning, with 40% doing this regularly and 35% doing this on occasion. As one Canadian public library staff member explained:

“The public library is the cornerstone of equal access to education and learning in any community. We work with our communities to offer free and relevant programming and collections that meet our community needs.”

When describing examples of activities, the top example, by a large margin, was outreach and programming (72% of respondents) for things like English language classes, computer literacy, book clubs and finance. Thirty-three percent also discussed providing educational support and resources, for example online training websites and test proctoring services.

A regression analysis to test for relationship between awareness of SDGs and the number of library activities supporting them was conducted. The results indicate that public library respondents that were aware of SDG4 were expected to do 11.5% more activities related to the goal than those that were not. However, the effect size for academic libraries was not strong (3.3%), indicating that awareness of SDG 4 does not impact the academic library activities supporting this SDG. No other test indicates that awareness of SDGs supported activities in public or academic libraries.

SDG 8 – Decent Work and Economic Growth The most commonly reported activities by all library types to support decent work and economic growth were library involvement in various types of strategic planning (Figure 7). As one academic library staff member from the US noted:

“We are currently finalizing our library strategic plan in alignment with the campus strategic plan... Career Services reserves multiple rooms early each spring for mock job interviews in the library and students have used library study rooms for virtual interviews for internships and jobs after graduation.. We have partnered with Financial Aid to provide financial literacy programs and we are looking to be more involved in business development, entrepreneurship and innovation in our new strategic plan. We train our student employees to articulate the transferability of skills and experience working in the library to future job opportunities e.g., students should understand that they are engaged in customer service rather than just checking out books at the circulation desk.”

The other activities supporting this SDG showed more difference by library type. Note that some questions were only applicable to public libraries and others only to academic libraries so some responses only have data from one type. While a majority of libraries reported activities supporting this SDG, the activities were more often done occasionally than regularly.

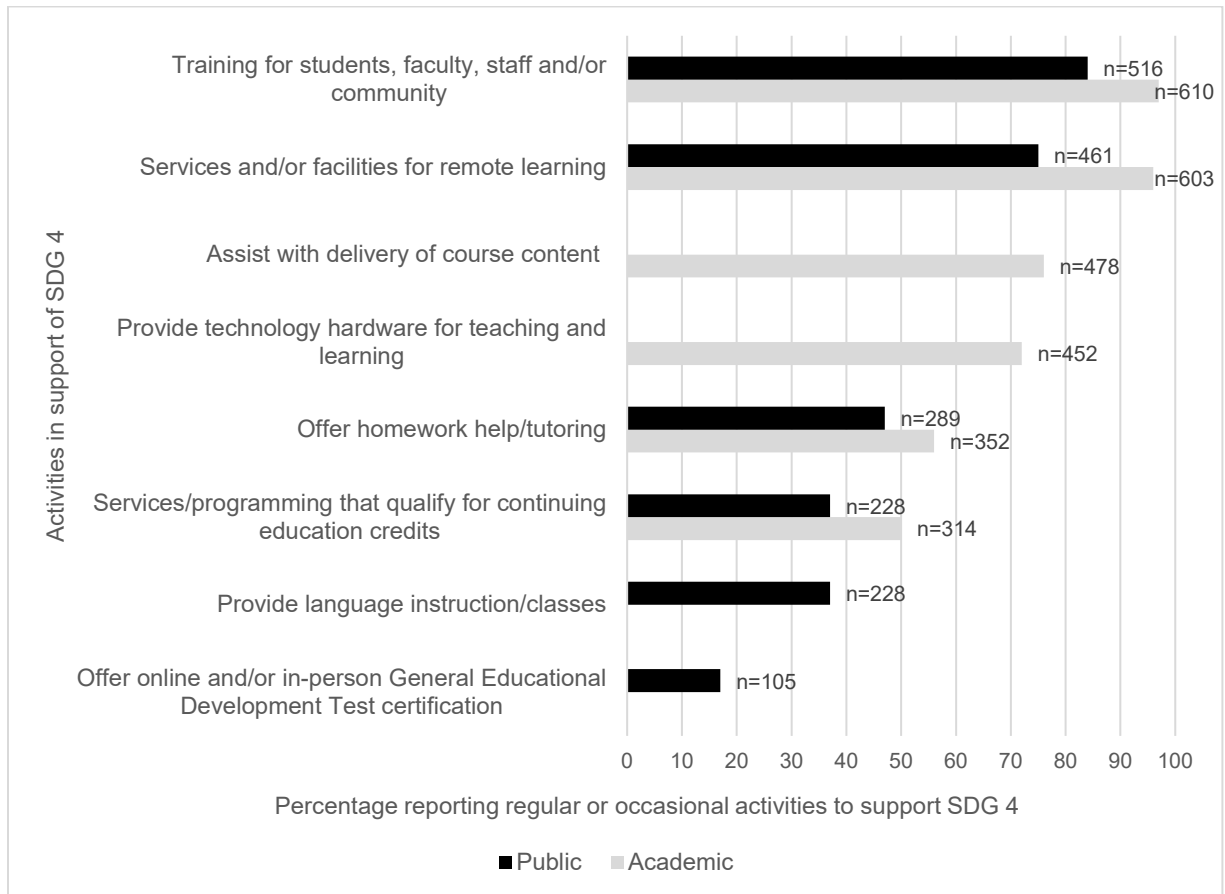


Figure 7. Percent of Respondents Reporting Regular or Occasional Activities to Support Decent Work and Economic Growth. N=576 (academic), N=533 (public)

Note: Some questions only were applicable to public libraries and others only to academic libraries, so some responses only have data from one type of library.

Hosting office space or workspace for other campus departments was among the most frequently reported activities by academic library respondents to support decent work and economic growth. Forty-one percent indicated that they do it regularly and another 32% said that they do it on occasion. One academic library staff member in Japan described their activities in this regard:

“Visiting scholars at the university are provided with (shared) offices and the use of a shared printer. Librarians are involved with any campus redevelopment project that involves expanding or moving a library or student reading room.”

Academic library staff also frequently participated in campus strategic planning, with 33% of respondents doing it regularly and another 50% of respondents doing it on occasion. Fifty-nine percent of respondents also either regularly or occasionally held strategic planning meetings with other campus departments.

In the open-ended question, the most frequently mentioned example of academic library activity (28%) to support decent work and economic growth was hosting events like job fairs, author visits, industry events, etc. One academic library staff member in Hungary explained that their library “developed LGBT health research to promote decent work and economic growth of LGBT youth and persons.” Twenty-one percent of respondents also mentioned that they helped prepare resumes or job applications, or helped students develop interview skills.

Among public and other library type respondents, the top activity was offering job preparedness, searching and seeking advice. Twenty-four percent of respondents at public and other libraries said that their library did this regularly and another 33% said that they did this on occasion. Participation in community-wide strategic planning and strategic planning with other community organizations was also common for these libraries, with 56% and 50% respectively doing them either regularly or occasionally.

One public library respondent in Australia listed several different examples of activities that they did at their library, including:

- “Create a CV, cover letter workshops
- Help to apply for jobs online
- Small business workshops
- Youth workshops related to obtaining safety certificates, first aid certificates, learning how to budget and manage adulthood for school leavers”

SDG 10 – Reduced Inequalities Of all of the SDGs in the survey, the activities in support for reduced inequalities were most similar across library types (Figure 8). The most common activity was to offer programs, services, or collections to promote awareness and education around equity, diversity and inclusion (EDI), but a majority of libraries also reported providing employee training around EDI, providing inclusive facilities, implementing policies to ensure diverse staffing and leadership and implementing services or programs designed to reduce inequality. Note that some questions were only applicable to public libraries and others only to academic libraries so some responses only have data from one type.

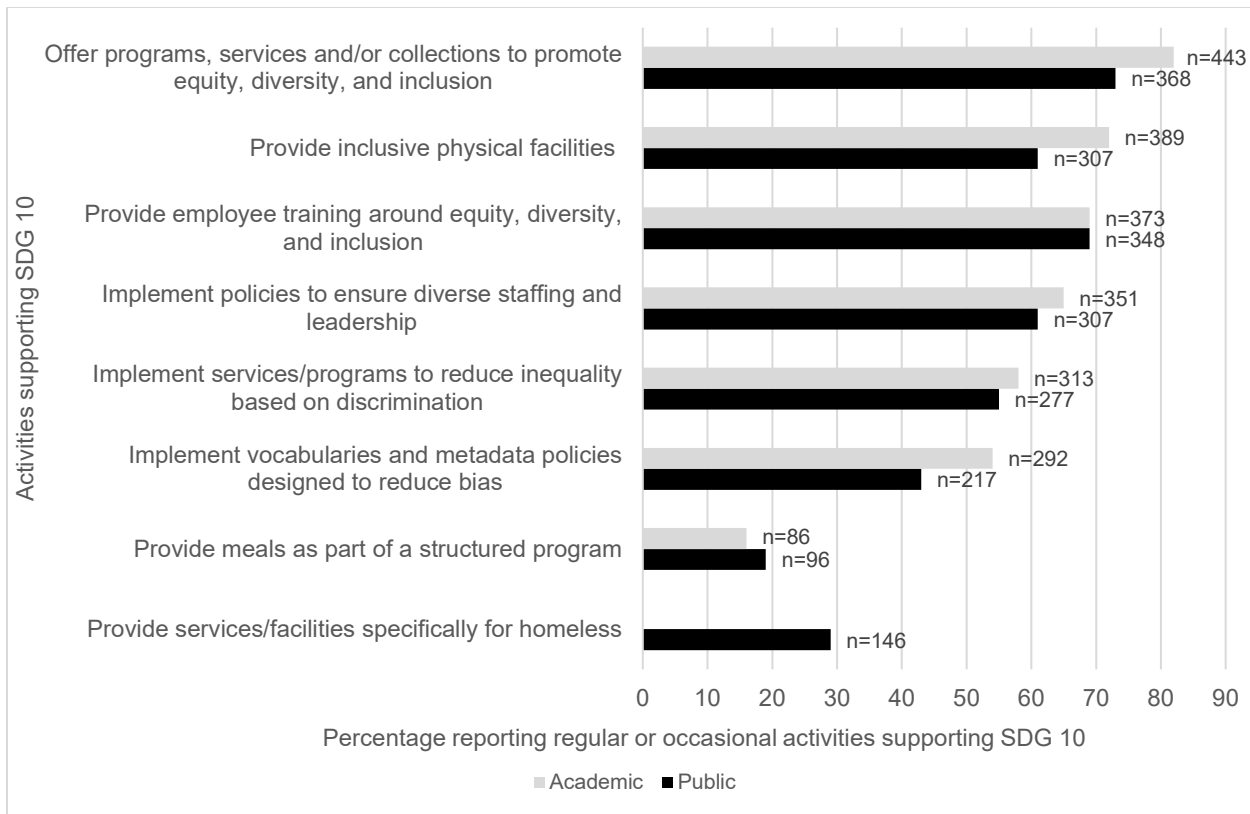


Figure 8. Percent of Respondents Reporting Regular or Occasional Activities to Support Reduced Inequalities. N=540 (academic), N=504 (public)

Note: Some questions only were applicable to public libraries and others only to academic libraries, so some responses only have data from one type of library.

Academic library staff worked to reduce inequalities for their communities. One activity that respondents did regularly was providing inclusive facilities. These could be, for example, gender-neutral restrooms, feminine hygiene products, or physically accessible facilities. Forty-nine percent of academic library respondents said they did this regularly and another 23% said they did this on occasion.

Most academic respondents also offered programs, services, or collections to promote awareness and education around diversity. Forty-eight percent (48%) of academic library staff in the survey did this regularly and another 34% did this on occasion. One academic library staff member in the United States described the breadth of these activities at their library:

“Campus activities have been ramped up this year with virtual programming several times a month tackling subjects of racial injustice, sustainability, white privilege, digital divide, ethnicity, gender bias, politics and race, health and race, girls in STEM, etc. We have a food pantry and community garden on campus. Our Office of Student Diversity and Inclusion has been spearheading many of these events in cooperation with student groups on campus.”

There were several other activities that a majority of academic library respondents did either regularly or occasionally. These included providing employee training around equity, diversity and inclusion (69%), implementing policies to ensure diverse leadership (65%), implementing services or programs to reduce inequality (58%) and implementing vocabularies and metadata policies designed to reduce bias (54%).

Among public and other types of libraries, the most common activity to reduce inequalities was to offer programs, services, or collections to promote awareness and education around diversity. Forty-two percent of public and other library type respondents did this regularly and 31% said that they do it on occasion. A majority of public and other library type respondents also either regularly or occasionally provided employee training around equity, diversion and inclusion (EDI) (69%), implemented policies to ensure diverse staffing and leadership (61%), provided inclusive facilities (61%) and implemented services or programs designed to reduce inequality (55%). One US public library staff member explained:

“We have formed an Equity, Diversity and Inclusion task force that is taking a close look at our collections, buildings, programs, services, policies and hiring practices through an EDI lens and making changes where necessary to ensure our materials, programs and services are representative and equitable.”

SDG 16 – Peace, Justice and Strong Institutions There was a large degree of commonality between the activities reported by academic and public and other library types to support peace, justice and strong institutions (Figure 9). The most common was providing a welcoming space for all members of the community, followed by providing an environment to facilitate engagement between different populations and allowing the use of library facilities for open discussion.

When promoting peace, justice and strong institutions, providing a welcoming space on campus was the most common activity for academic library staff. Seventy-six percent of respondents said they did this regularly and another 14% said they did it on occasion. As a museum library staff member in the United States explained:

“We invite all members of our local community into our library free of charge...We have partnered with our public library colleagues in order to present programs to underserved communities in order to make sure that these patrons understand that they are welcome in our special collections environment.”

Providing an environment to facilitate engagement between different populations was another common activity, with 36% of academic library respondents doing it regularly and another 37% doing it on occasion. A majority of academic library respondents also either regularly or occasionally allowed the use of library facilities for open discussion (69%), promoted involvement in civic activities like voting (63%) and sought community input to influence library policies (56%). See Figure 9.

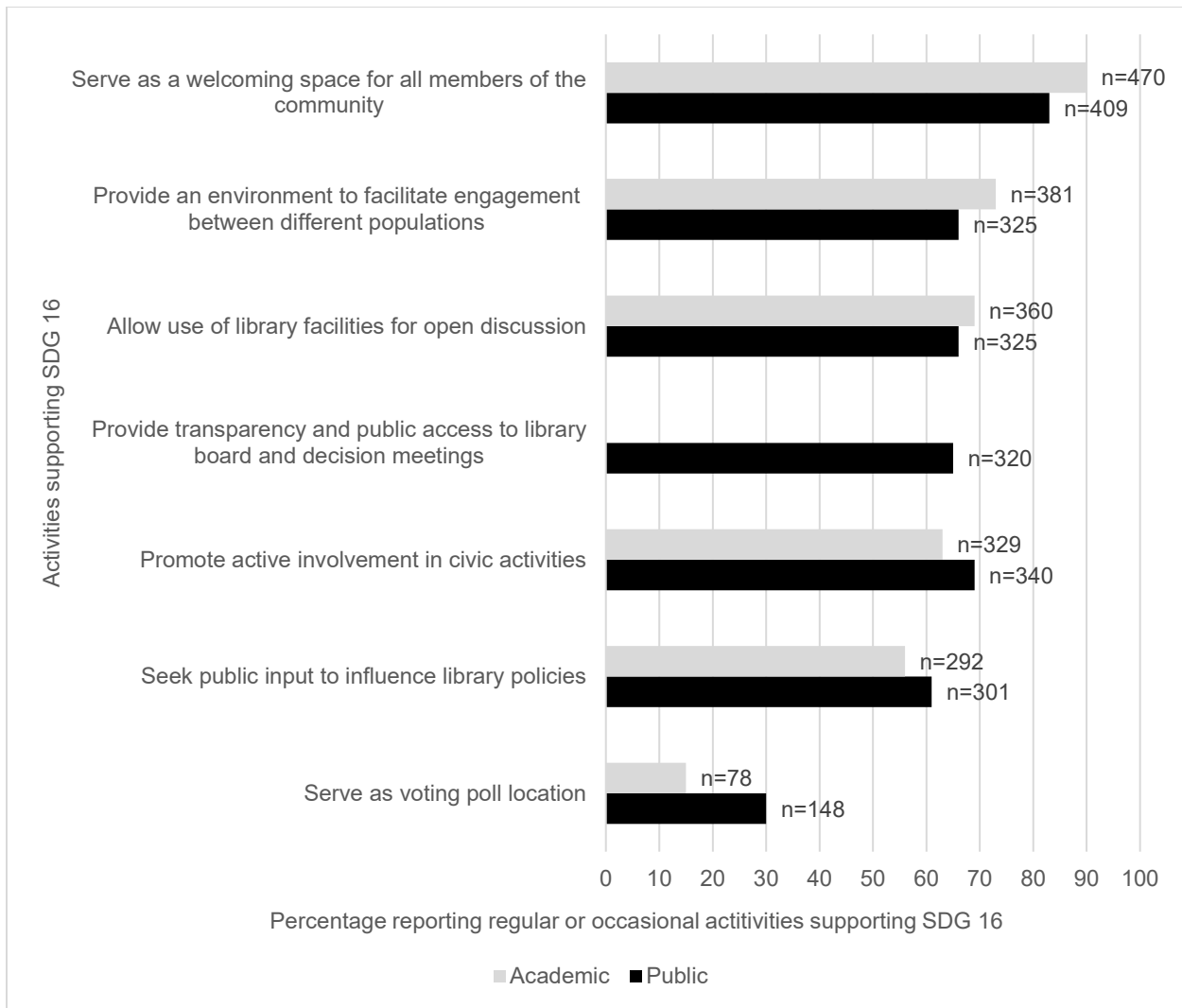


Figure 9. Percent of Respondents Reporting Regular or Occasional Activities to Promote Peace, Justice and Strong Institutions. N=522 (academic), N=493 (public)

Note: Some questions only were applicable to public libraries and others only to academic libraries, so some responses only have data from one type of library.

Public and other types of libraries similarly worked to serve as a welcoming space for all members of the community, with 69% of respondents saying that they do this regularly and 14% saying that they do it on occasion. The majority of public and other libraries also either regularly or occasionally promoted active involvement in civic activities (69%) and allowed the use of library facilities for open discussion (66%) as seen in Figure 9. This is articulated by a public library staff member in the United States, who responded:

“The library serves as an early voting location, hosts commission workshops and city council workshops, has hosted community wide civic events that are timely and address hot topic civic issues. The library also hosts a variety of community civic group board meetings and group meetings.”

A public library staff member in Germany described the different sorts of activities that their library does in this area:

“We have a series of events called ‘Living Books’. Here we bring people from different fields together in conversation. We always offer these ‘books’ on specific topics: Fugitives, disabled people, care workers, we have also had Holocaust survivors or former GDR citizens etc. There are always new topics.”

Providing an environment to facilitate engagement between different populations within the community (66%), providing transparency and public access to library board decision meetings (65%) and seeking public input to influence library policies (61%) were among the other activities that a majority of public library staff respondents indicated that they did regularly or on occasion.

SDG 17 – Partnership for the Goals Libraries tend to be collaborative institutions (Horton and Pronevitz, 2015), so it is perhaps unsurprising that almost all respondents worked to create partnerships to further the SDGs (Figures 10-11). This included developing partnerships with other libraries as well as collaboration with other academic departments and/or community agencies. The other activity options differed fairly significantly between academic and library and other library types as detailed below.

Seventy-four percent of academic library respondents regularly developed partnerships with other libraries and 21% did this on occasion (Figure 10). As one academic library staff member in the Philippines explained:

“We forged partnership through Memorandum of Agreement to the different State Universities and Colleges in our region to collaborate and help ease the accessibility of resources not available in one academic libraries in the region.”

Academic library respondents also commonly collaborated with other academic departments or community agencies to provide instruction for the community. Forty-two percent of respondents did this regularly and another 35% did it on occasion. Fifty-eight percent of academic library respondents also regularly or occasionally partnered with other university departments to apply for grants. One academic library staff member in the United States provided a view of what these partnerships can look like:

“We partner with organizations to promote awareness of reliable health information, such as that offered by the National Library of Medicine. Through grants from the National Network of Libraries of Medicine, we have offered programming on consumer health information and the NIH All of Us research initiative.”

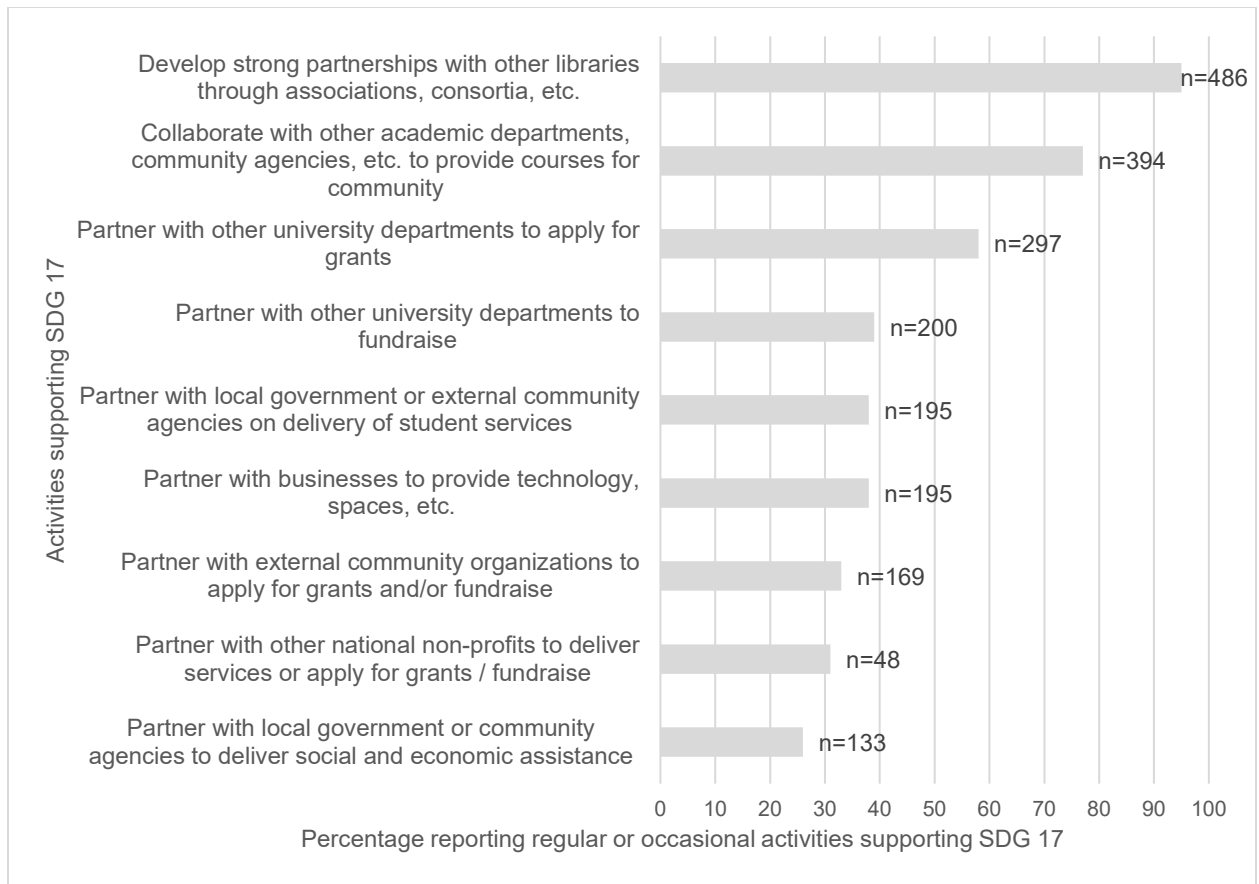


Figure 10. Percent of Academic Respondents Reporting Regular or Occasional Activities to Support Partnership for Goals. N=512

Public and other library staff similarly sought partnerships with other libraries, with 72% doing this regularly and 21% doing this on occasion (see Figure 11). Seventy-five percent of public and other library type respondents also either regularly or occasionally collaborated with community agencies to provide instruction. Seventy percent either regularly or occasionally partnered with local school systems to provide technology and 61% partnered with local businesses to provide technology and spaces as shown in Figure 11. Fifty-seven percent also regularly or occasionally partnered with other community agencies to apply for grants or to fundraise. As one public library staff member in Latvia explained:

“We have very good connection with other public libraries in Latvia as well as National Library of Latvia. We provide space and computers for entrepreneurs. We closely collaborate with local museum, municipality, youth centre, schools, kindergardens.”

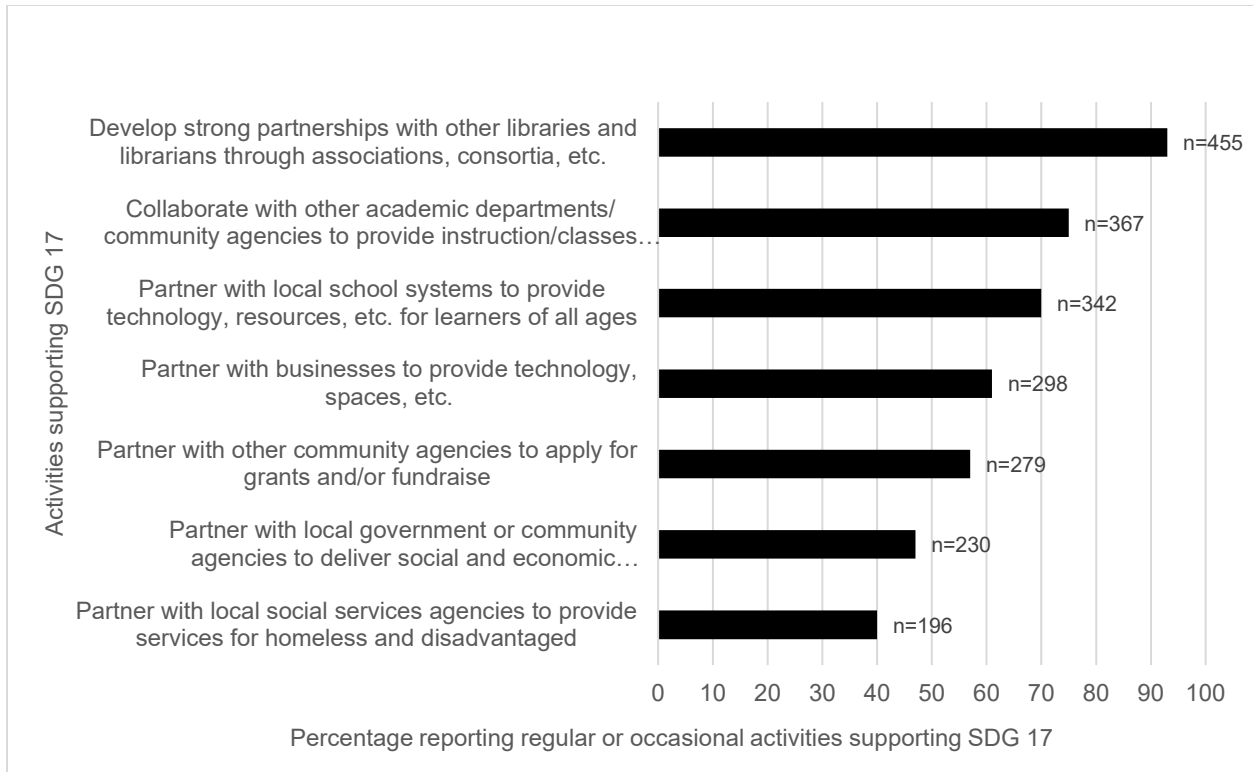


Figure 11. Percent of Public Respondents Reporting Regular or Occasional Activities to Support Partnership for Goals. N=489

Other Goals To answer R4 (What other SDGs do staff perceive libraries impacting the most and why?), respondents were asked which other goal they think that libraries can most impact. The results, reported by region, are shown in Figure 12.

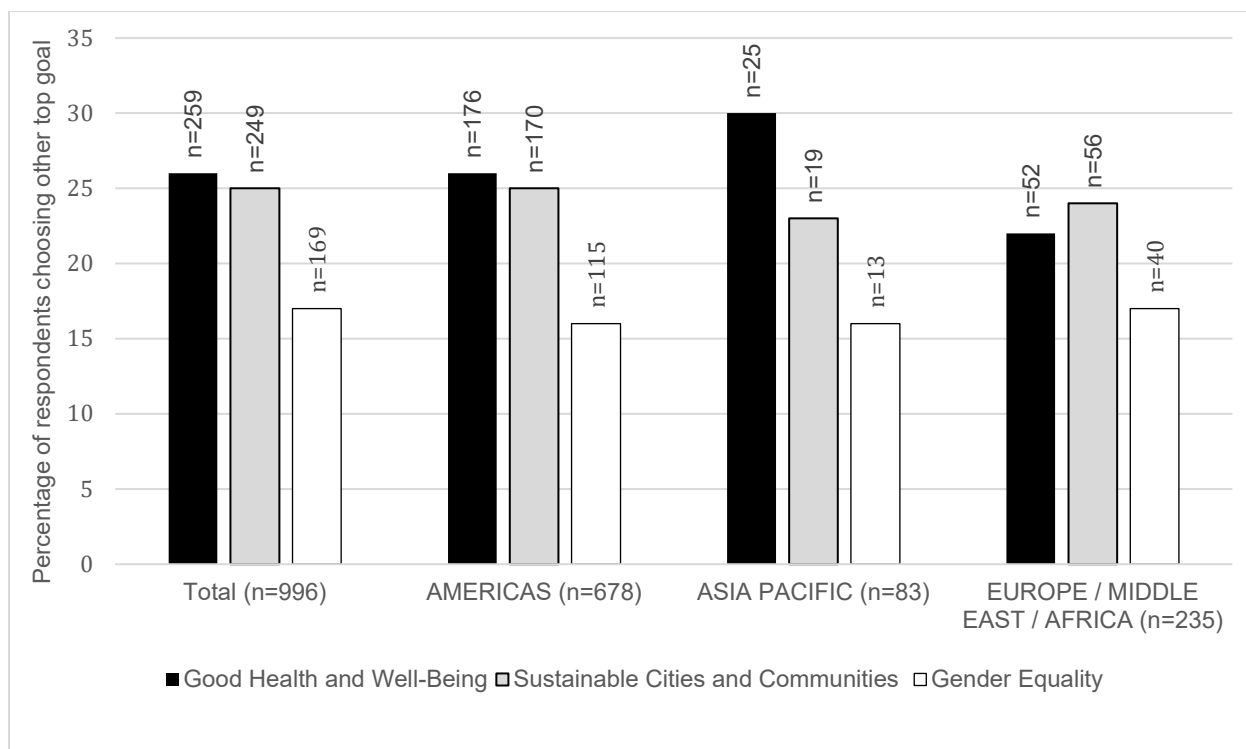


Figure 12. Top Other Goals Where Libraries Can Have an Impact.

Overall, the largest number of respondents (26%) selected Good Health and Wellbeing (SDG 3). One academic library staff member in Canada outlined several ways that a library can impact health and wellbeing:

- “Improving social isolation
- Providing access to information
- Providing access to technology
- Building literacy and digital literacy
- Providing equal access to services
- Helping to address and mitigate the social determinants of health”

Sustainable Cities and Communities (SDG 11) was the second choice, with 25% of respondents seeing it as the top goal outside of the five mentioned. The world’s cultural and natural heritage is protected, safeguarded, and made accessible to all through libraries. Support for this is heard in this quote by an Australian academic library staff member, “Libraries can play a role in providing the infrastructure to facilitate innovation (for example, research data stores, institutional repositories, archives, etc).”

Gender Equality (SDG 5) was the third most commonly chosen goal, with 17% of respondents selecting it. A public library staff member in the United States described their library’s activities related to gender equality:

“Our department provides investing and basic finance for women. Women need to know about money and how to manage money to be able to become more

independent...Also, we introduce a variety of careers for women, for example careers in trades. We offer coding sessions for young girls so they can start thinking about careers in computer field. We support women who own a small business in our city.”

Within the comments, several broader themes about library contributions to the SDGs surfaced. Inclusivity is an important theme that came up in many of the opened-ended comments. Libraries commonly are open to a diverse community. A French academic library staff member echoed this sentiment, saying, “Libraries are places of tolerance, openness and diversity. They have all the assets to go forward in this direction and to be an active actor of change.” A US public library staff member also discussed openness, saying that the library “is in a unique position to coordinate services and build networks across the community through information distribution, community partnerships and community leadership.” There is an overall theme in these comments - the library has a reach within its community that is virtually unparalleled among other institutions that could be leveraged for environmental, economic, and social change.

Another major theme in the comments was the idea of the library responding to the specific needs of the community. In many cases, this is through the services that the library staff provide. As one public library staff member in the United States explained, “The library serves as an amplifier and connector in the community it serves.” One Puerto Rican academic library staff member told us that their institution “has staff such as counselors, nurses who work in collaboration with other agencies of the public and private community. They use the library facilities to carry them out.” An academic library staff member in the US echoed this sentiment saying that their library “is a ‘jack of all trades’ . If we can find a way to help, we will.” Library staff also have worked hard to serve populations who might be underserved by other public institutions. For example, one Greek public library staff member mentioned having a mobile library at refugee camps, exemplifying the reach of the library so that no one is left behind.

Conclusion, Limitations and Future Research

This survey has several limitations: the use of snowball and convenience sampling means this is a purposive sample with limited generalizability. Since the survey only was offered online, the sample was limited to people with internet access, with a social media presence, or connected to library staff through professional, virtual networks. However, with a large, global sample size and respondents from different library types, the results provide information about the activities that library staff are conducting and the respondents’ perception of the impact these activities have on the SDGs. To our knowledge, these findings have not been reported in the literature to date.

The survey results paint a picture of the ways library staff have embedded the library within their communities and how staff are working to promote sustainable development in different ways. Even though the majority of the respondents have not incorporated the SDGs into their strategic planning, the libraries’ support of the SDGs is evident by the activities the library staff are engaged with and the respondents’ comments. Libraries are

particularly involved with Quality Education (SDG 4) and by and large, library staff see it as the SDG where they can have the greatest impact.

The results from the survey highlighted that library staff, whether through strategic planning or through their everyday activities, are doing much to further the SDGs. The activities identified here can be used to inform library strategic planning and to help library staff maximize the library's impact on sustainable development. This research builds on the writing of Edwards (2018) who encouraged all libraries to link their work to the global agenda as a way to demonstrate their value. The SDGs are a logical place to begin. Edwards (2018) notes that connecting libraries and sustainable development in the library's own governing documents helps the SDGs become more institutionalized and part of the culture. Edwards also suggests reviewing the library's strategic plan and finding ways to make explicit links between the goals and action items with the SDGs. Finally, Edwards (2018: page 7) challenges library staff "to find better ways to communicate and assess their contributions as well as new ways to build partnerships and collaborations towards SDG achievement." IFLA's Library Map of the World (<https://librarymap.ifla.org/faq>) can be a place to start. It can be used as an advocacy tool demonstrating how libraries in different countries contribute to the SDGs and serve as partners in meeting local development needs.

To include the SDGs and their impact on the community in library strategic planning, further research is needed that builds on this work. Future research could identify how library staff integrate the SDGs into their planning and how they develop activities to support the SDGs, such as the activities highlighted in these survey results and how these contributions can be evaluated to assess their impact on this ecosystem. A case study approach with library staff who have integrated the SDGs into their strategic plans could be a logical next step. A content analysis of library strategic plans could be conducted followed by interviews with leaders and staff to identify the impact of the SDGs on the community.

Through their work in their community and collaboration with other institutions, library staff create an environment that is an important part of a larger economic, social, political and information ecosystem. Identifying and articulating the role the library can play in advancing and impacting the SDGs to demonstrate the libraries' value within the larger ecosystem are important next steps.

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