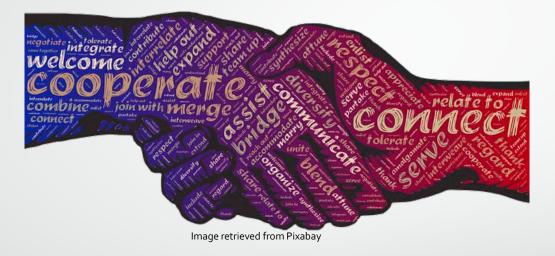
An Exploration of Trends in Academic Library Makerspaces

Dylitchrous Thompson, MLIS, M.A.Ed. Code4Lib Southeast Conference July 27, 2018

Introduction

The purpose of this presentation is to share the findings of a recently conducted research project. The research focused on discovering current trends in academic library makerspaces.

What are Makerspaces?



Makerspaces are places or spaces where people come together to share knowledge and resources, to collaborate on ideas and concepts, and to create and innovate.

Purpose and Objectives of the Study

The purpose of the study was to explore the technologies, services and operational practices that are available and in use in academic library makerspaces. The primary objective was to identify common trends and translate those trends into recommendations for academic libraries who may consider establishing makerspaces within their facilities.

Research Questions

What are the common technologies in academic library makerspaces?

What are the common operational practices among academic library makerspaces?

of	Descriptors	Resources
space		
s 3D	http://guides.lib.ua.edu/makerspaces	3D Printing
and	1. Training and Workshops	3D Scannin
pace	1. Training and Workshops	Laser Cutti
	2. Written Standard Operating Procedure Guide	Electronics
	Costs paid through student accounts	Programmi
	Signed User Agreement required	Electronics
	5. Offers info on other makerspace resources	Raspberry
	Managed by staff	Fabrication
	7. No indication of Technology Librarian	Training W
	8. No indication that equipment may be loaned	DIY 3D Pr
	9. Appointments required/Online form	
	10. Students, staff, and faculty	

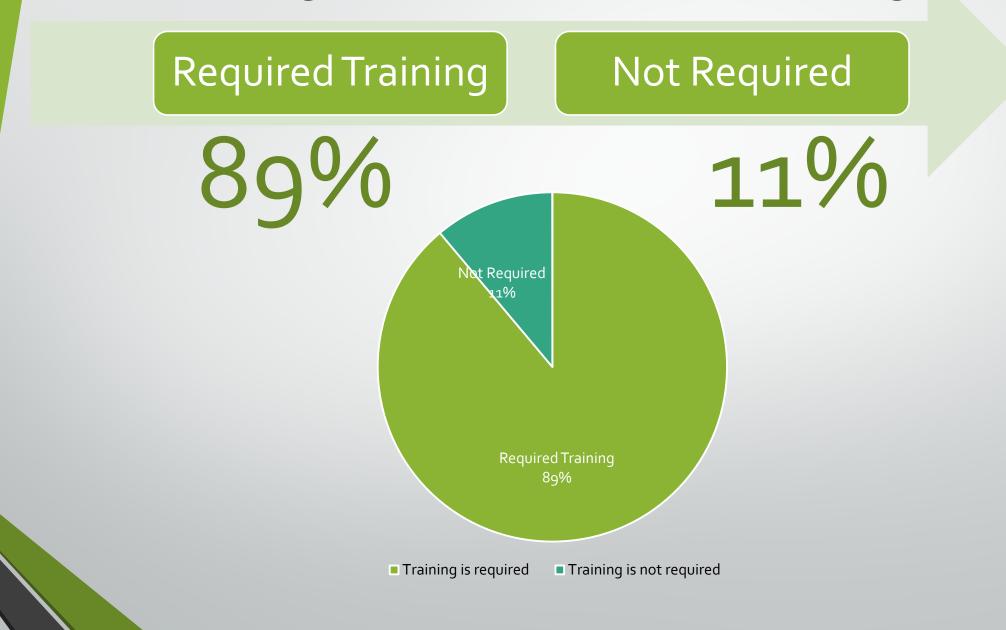
Organized by Theme into 4 Descriptors

Methodology Continued

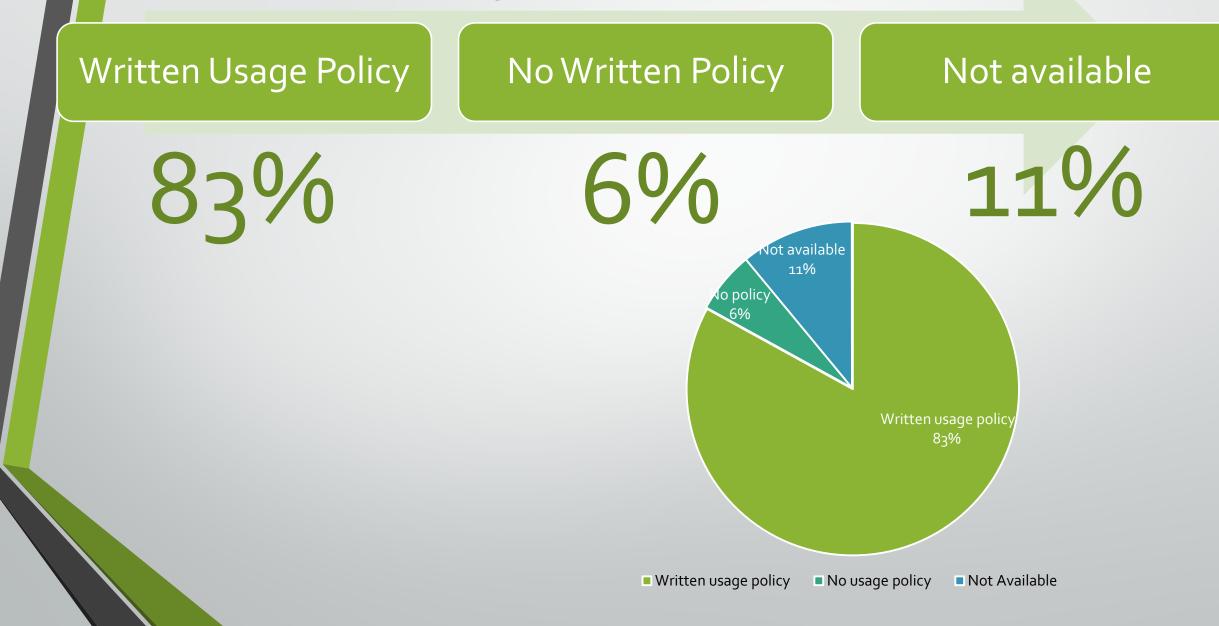
1	Information and Training
2	Written Policies
3	Staffing Model
4	Access

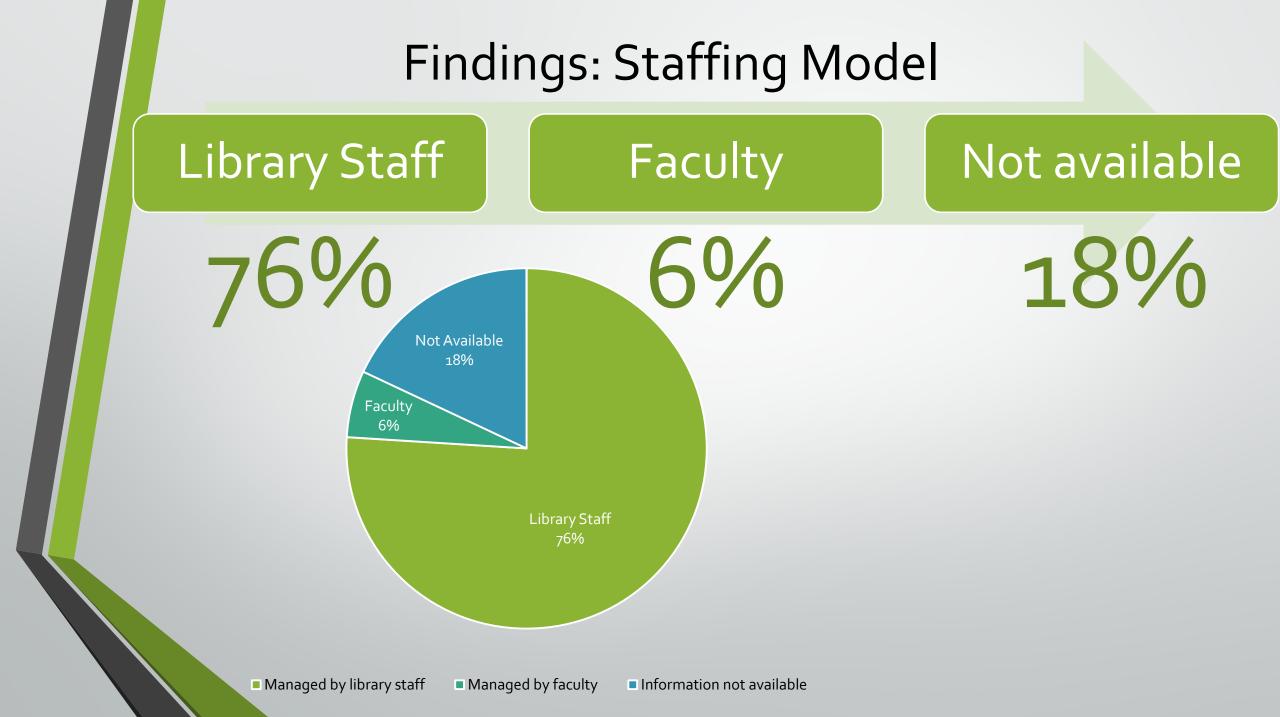
Findings

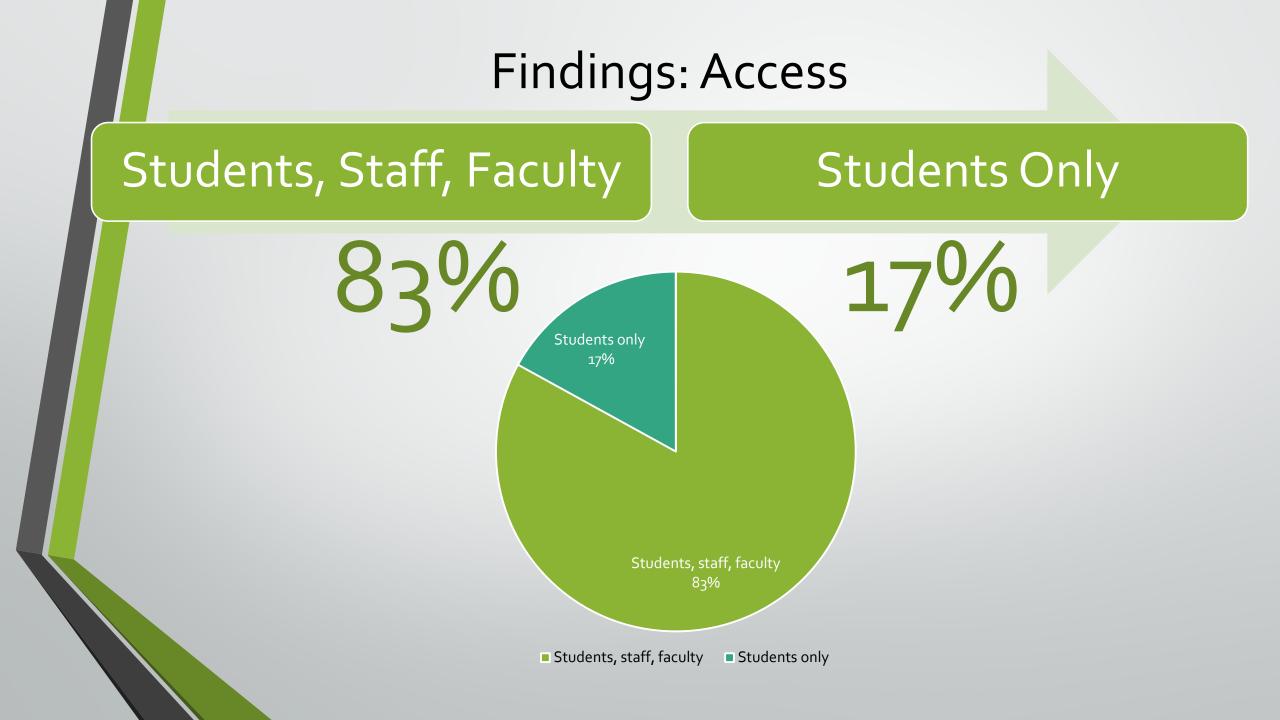
Findings: Information and Training



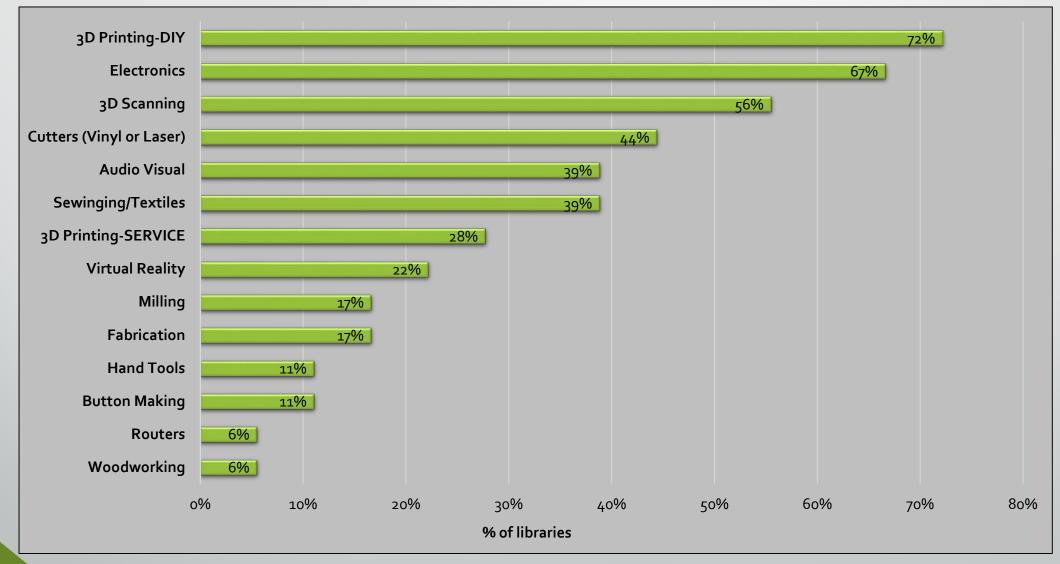
Findings: Written Policies



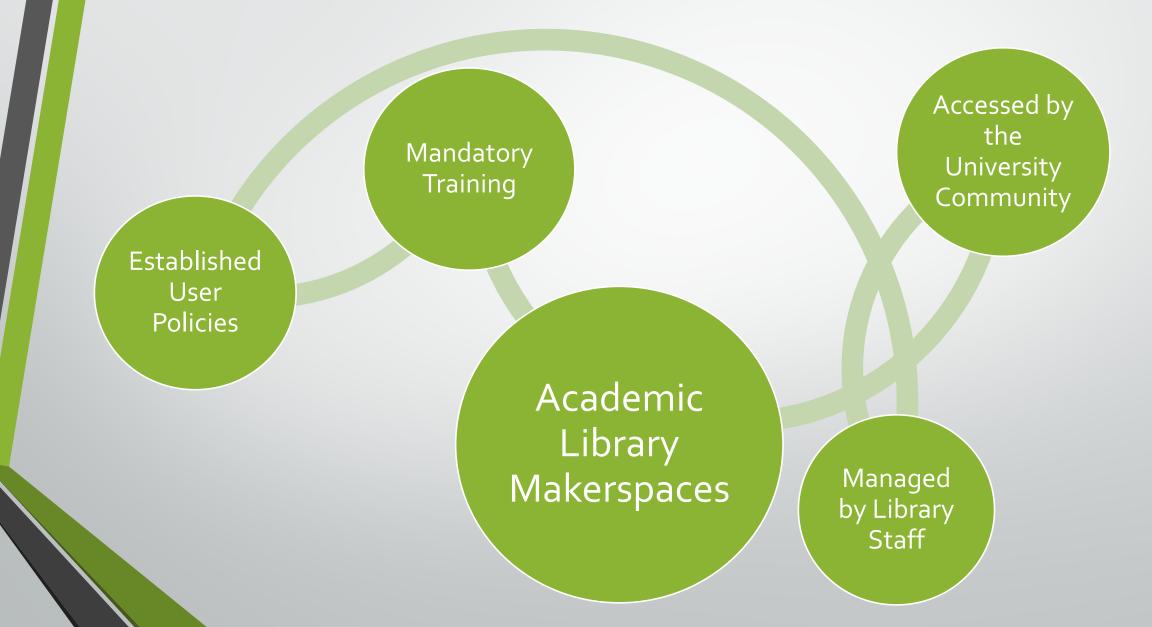




Findings: Technologies



Common Operational Practices



Challenges to Establishing Makerspaces in Academic Libraries

- What is its purpose?
- How will it be paid for?
- Where will it be located?
- What are the policies?
- Who will staff it?
- Is it sustainable?
- Who are the eligible users?



Cost Considerations

Expenditures: One time start-up costs

- Building or Space Renovation
- Furniture
- 3D Printers
- Vinyl Cutters
- Laser Cutters
- Plotters
- Computers
- Software
- Hand Tools
- etc.

Recommendations for Future Studies

Assessment

- Utilization statistics
- Satisfaction surveys
- Reporting and Accountability
 - Library administration
 - Parent institution
 - Grant committees
 - Donors

Conclusion & Recommendations

- Establish written usage and user policies
- Develop a strategy for information dissemination and user training
- Train and or hire specific staff to manage the space; Technology Librarian
- Consider allowing access to faculty and staff
- Know the sources of funding in the planning stage for maximum sustainability

Recap

- An exploration of trends in academic library makerspaces
- Content Analysis of university websites
- Identified common occurrences of technologies and operational practices
- Data analysis produced 4 main categories of operational practices
- Data analysis showed 3D technologies and electronics as frontrunners
- Importance of identifying initial and ongoing funding

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