

STEM LIBRARIANS AND OPEN ACCESS

Dahlia Han
Research Services Adviser
Libraries and Learning Services
The University of Auckland
Email: d.han@auckland.ac.nz

Evie Southwell
Research Services Adviser
Libraries and Learning Services
The University of Auckland
Email: e.southwell@auckland.ac.nz

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OPEN ACCESS - A QUICK HISTORY

- Budapest Open Access Initiative (BOAI)- 2002
- Bethesda Statement on Open Access Publishing (2003)
- Berlin Declaration (2003)





WHAT WE ARE COVERING

- The role of STEM Librarians in Open Access (OA)
- What challenges are unique to STEM-focused OA publishing?
- What skills and knowledge of OA do STEM university librarians need to provide OA research services?
- What are the main toolkits of OA available to us? How these toolkits be promoted effectively?

PLEASE GO TO **PADLET.COM** TO PARTICIPATE OUR DISCUSSION ABOUT OA

URL Link to the Padlet.com: bit.ly/STEMLibOA

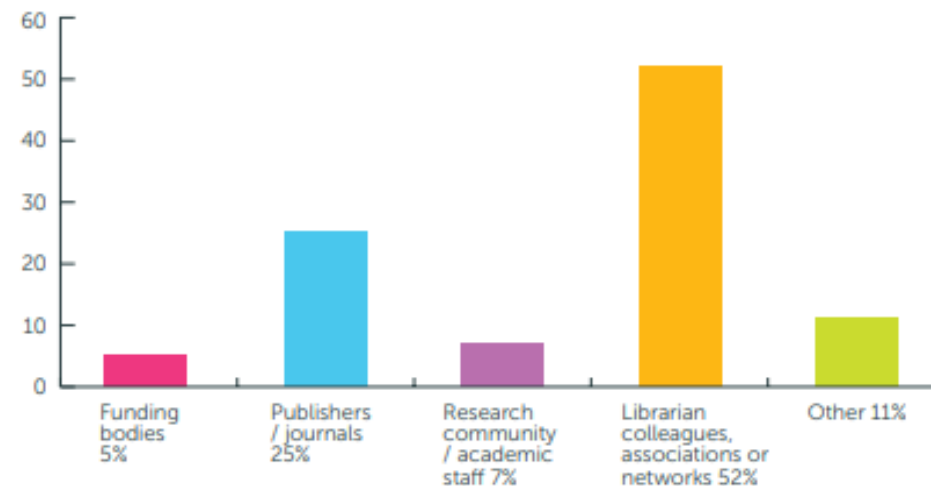
The image shows a screenshot of a Padlet board titled "STEM Librarians and Open Access". The board is organized into several columns and rows of content tiles. The tiles include:

- OA policy implementation in universities:** Links to various university open access policies, such as from Auckland.ac.nz and H2020.
- Library Collection Development:** Discusses management of institutional budgets for gold open access, membership schemes for APC funding, and awareness of the scholarly landscape.
- What systems could be provided to support OA?:** Lists systems like ResearchSpace, Figshare, and preprint repositories (arXiv, medRxiv, etc.).
- What resources are available for OA?:** Features the ROARMAP directory and the COKI open access dashboard.
- Educating and training:** Mentions workshops for academic staff and postgraduate students, and promoting OA during OA week.
- What challenges are unique to STEM-focused OA publishing?:** Lists challenges like Preprints, Open Science, Open Data, and Patents.
- What are the main toolkits of OA available to us?:** Includes the Open Access Australasia resource and the University of California Toolkit (OSC).
- How these toolkits be promoted effectively?:** Suggests strategies like linking in workshops, subject guides, research hub pages, and word of mouth.
- What skills and knowledge in OA do STEM Librarians need to provide OA services?:** Lists skills such as understanding the scholarly landscape, copyright/legal issues, and data management.
- Other notable tiles:** Cambridge OA Publications Policy Framework, Harvard University OA policies, MIT OA policies, Oxford OA policies, SPARC, Open Access Tracking project feed, SOAR maps, OA toolkit by University of Canberra, OA toolkit by University of Western Australia, and Springer Nature open access books toolkit.

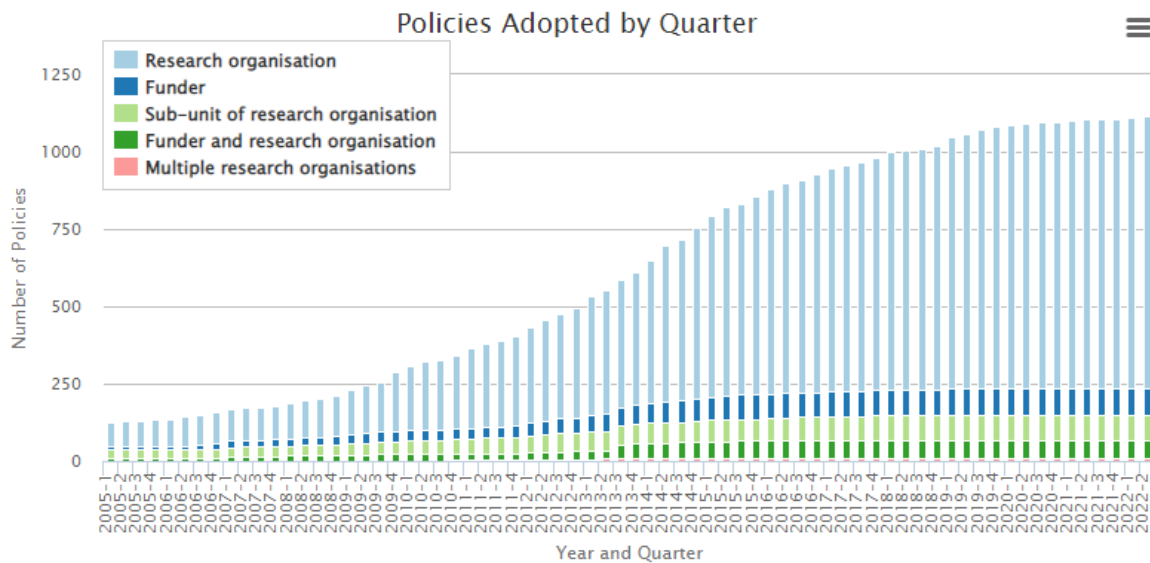
THE ROLE OF STEM LIBRARIANS

- OA policy implementation in universities
- Library collection development and OA budget management for gold OA and APCs
- What resources or systems could the university libraries provide to promote OA?
- Educating and training about OA

Where would you go for information about OA options and requirements in the first instance?



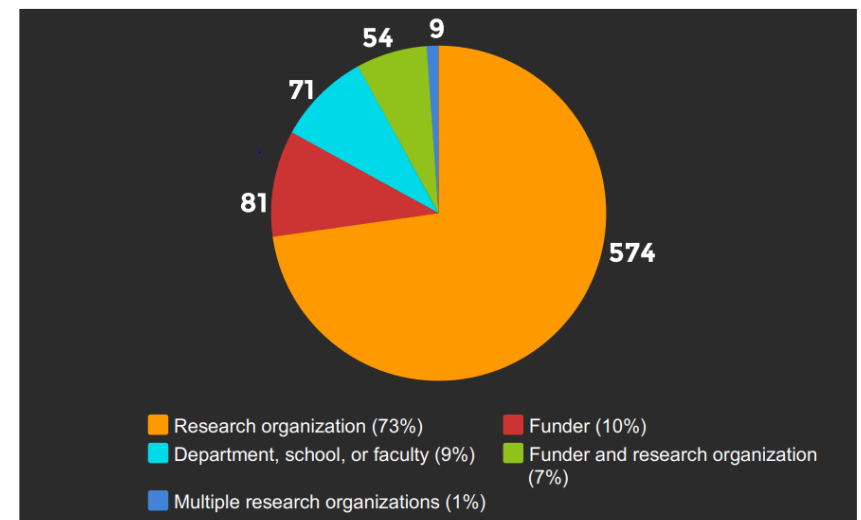
OA POLICIES



Source: ROARMAP

OA policies and mandates by type

The number of policies and mandates implemented globally

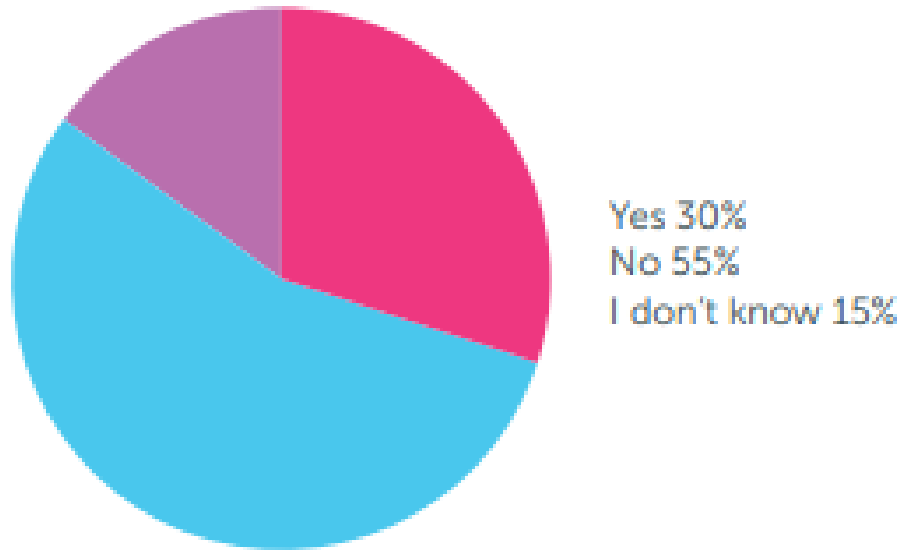


OA policies and mandates across the globe

Source: Open Access Polices & Mandates

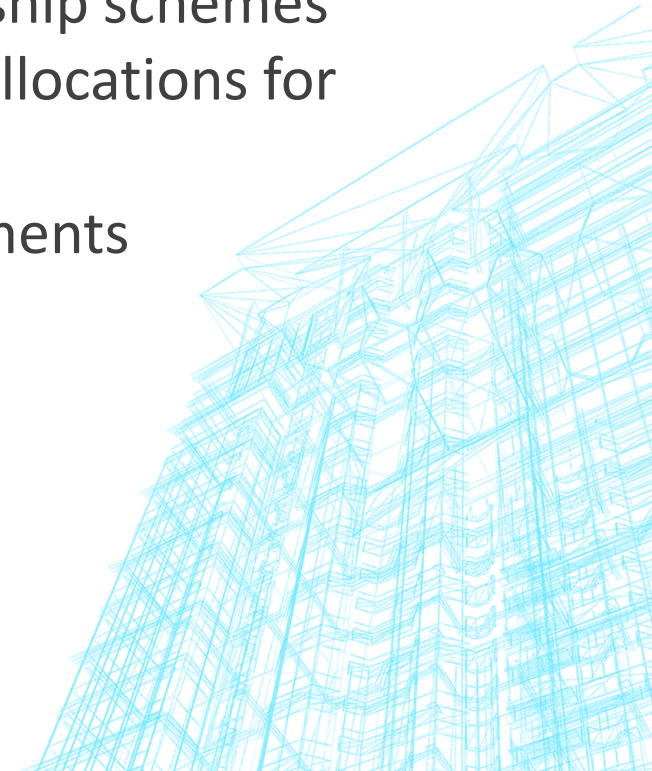
LIBRARY COLLECTION DEVELOPMENT AND BUDGET MANAGEMENT

Does your library manage the budget for gold open access?



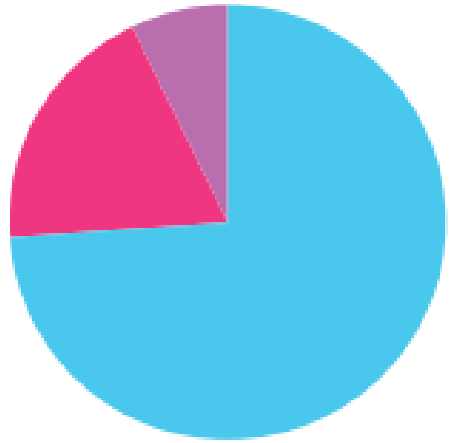
- Management of institutional budget for gold open access
- Open Access membership schemes or managing funding allocations for covering APC
- Transformative agreements

[Source: The role of libraries in open access publishing](#)



WHAT SYSTEMS COULD BE PROVIDED FOR OA?

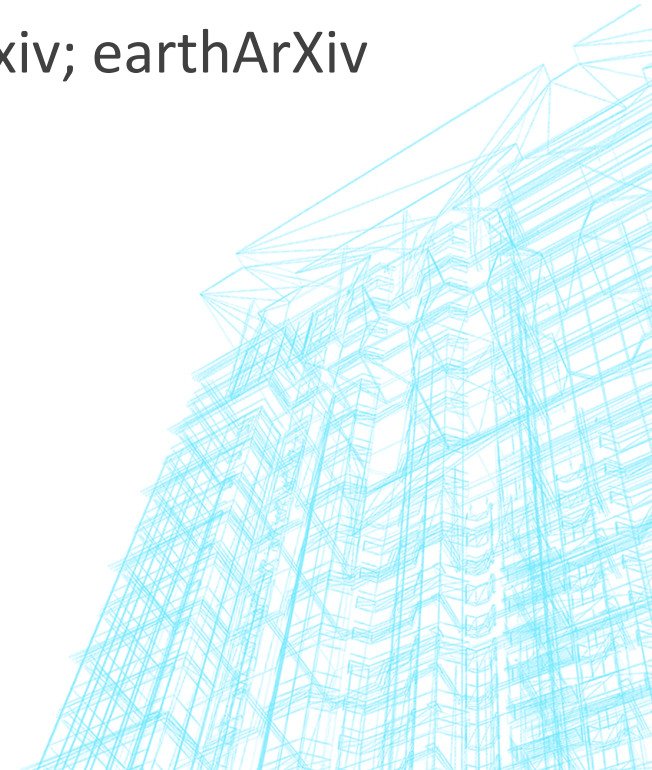
Does your institution have a repository with public access?



Yes 74%
No 19%
I don't know 7%

- University repositories - DSpace
- Figshare
- Preprint repositories -
e.g., arXiv; engrXiv; medRxiv; bioRxiv; earthArXiv
and PsyArXiv

[Source: The role of libraries in open access publishing](#)



WHAT RESOURCES ARE AVAILABLE FOR OA?

- [Sherpa Romeo](#)
- [Sherpa Juliet](#)
- [DOAJ](#)
- [ROARMAP \(Registry of open access repositories mandatroy archiving policies\)](#)
- [COKI open access dashboard](#)
- [SPARC](#)
- [Open Access Tracking project feed](#)



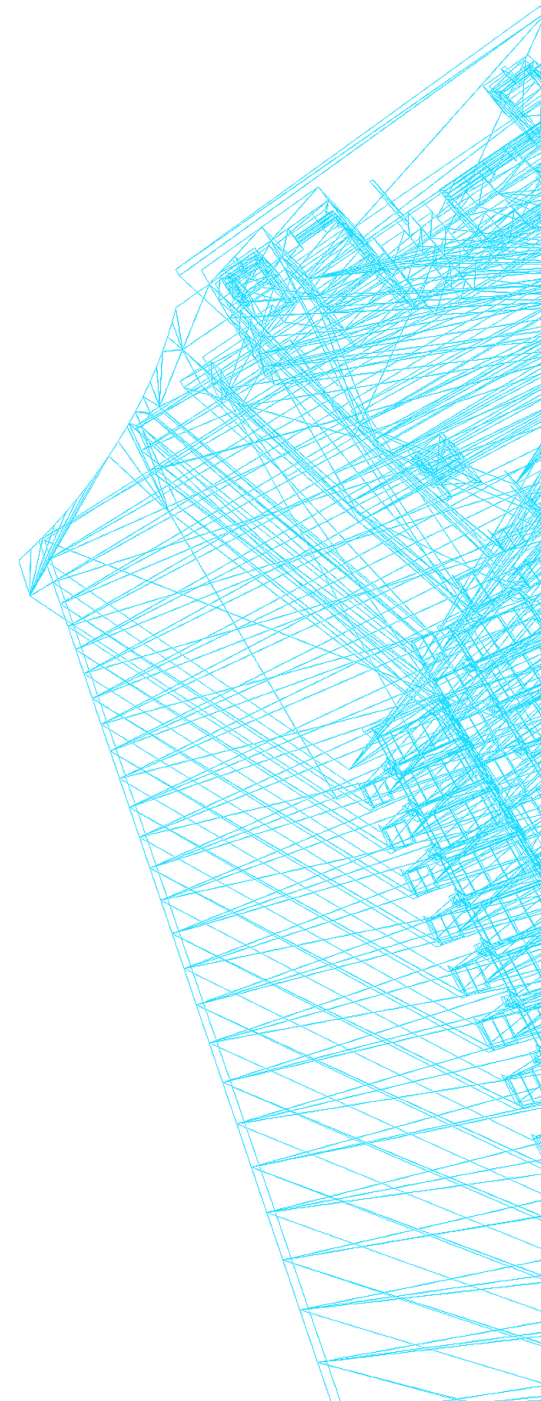
EDUCATING AND TRAINING

- Workshops in OA and Academic Publishing for academic staff and researchers
- OA workshops for postgraduate students
- Promoting OA in OA week



WHAT ARE THE MAIN TOOLKITS OF OA AVAILABLE TO US?

- [Open Access Australasia reused resources](#)
- [University of California Toolkit](#)
- [Open Access at the University of Auckland](#)
- [OA toolkit by University of Canberra](#)
- [OA toolkit by University of Western Australia](#)
- [Springer Nature open access books toolkit](#)



HOW CAN THESE TOOLKITS BE PROMOTED EFFECTIVELY?

- Link in workshops
- Subject guides
- Research Hub pages
- Open Access week
- Word of mouth - OA champion



WHAT CHALLENGES ARE UNIQUE TO STEM-FOCUSED OA PUBLISHING?

- Preprints
- Open Science
- Open data
- Predatory publishing
- Patents



STEM PERSPECTIVES

Medicine		Natural and Technical Sciences	
Positives	Negatives	Positives	Negatives
-Funding bodies -Volume	-Quality -Competing issues	- Funding bodies - Familiarity	-Quality -Industrial integration

WHAT SKILLS AND KNOWLEDGE IN OA DO STEM LIBRARIANS NEED TO PROVIDE OA SERVICES?

- Understanding the scholarly landscape
- Copyright; legal issues; financial issues
- Data management



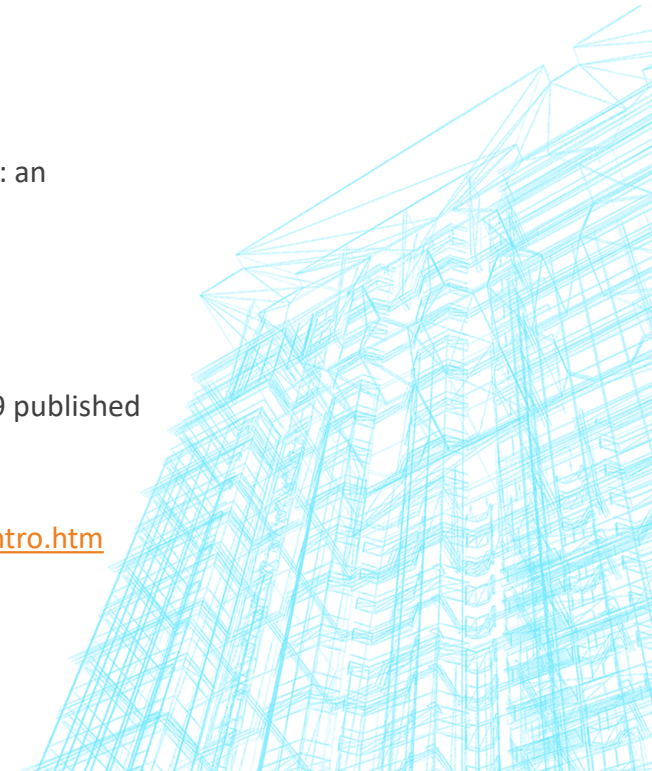
SUMMARY

- OA continues evolving and is an ongoing discussion topic
- Libraries have now become a creator of knowledge rather than a curator and cataloger of knowledge with the increase of Open Science and OA
- There are many OA resources and toolkits available but there is a need for more specific STEM resources and toolkits



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THANK YOU! ANY QUESTIONS?

