

OCLC-LIBER Open Science Discussion Series

THURSDAY 5 NOVEMBER 2020

Round-up: findings from the small group discussions

PRESENTERS:

Rachel Frick, Executive Director, OCLC Research Library Partnership (RLP)

Astrid Verheusen, Executive Director, LIBER

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WEBEX HOST:

Renée van den Bosch

Housekeeping Rules

- Your microphone is muted during this webinar.
- If you have any questions or comments please make sure to share them in the chat; look for the “Everyone” option in the chat.
- All questions will be addressed during the Q&A at the end of the webinar.
- If you experience any technical difficulties, please contact the WebEx host via the chat; look for the “Host” option in the chat
- Today’s webinar will be recorded. The recording will be published on the event webpage.

Chat panel

Please post to **Everyone**!

- Your questions to presenters
- Comments or suggestions
- Answers to each other's questions
- Don't post to ~~All Attendees~~ -- not visible to the presenters

from OCLC Research to everyone: 3:25 PM

You can find all our webinars at <https://oc.lc/wipwebinars>

from OCLC Research to everyone: 3:29 PM

Let me know where you are joining us from today!

from Mercy Procaccini to everyone: 3:29 PM

Joining from Seattle, WA, today.

from Mercy Procaccini to everyone: 3:29 PM

Happy to be here!

To:

Recorded Webinar

We are recording this webinar, so you'll have the opportunity to watch it again or share it with your colleagues.

The slides and webinar recording will be posted on our website and we'll send you a note when they are available.

Thank you for joining us!

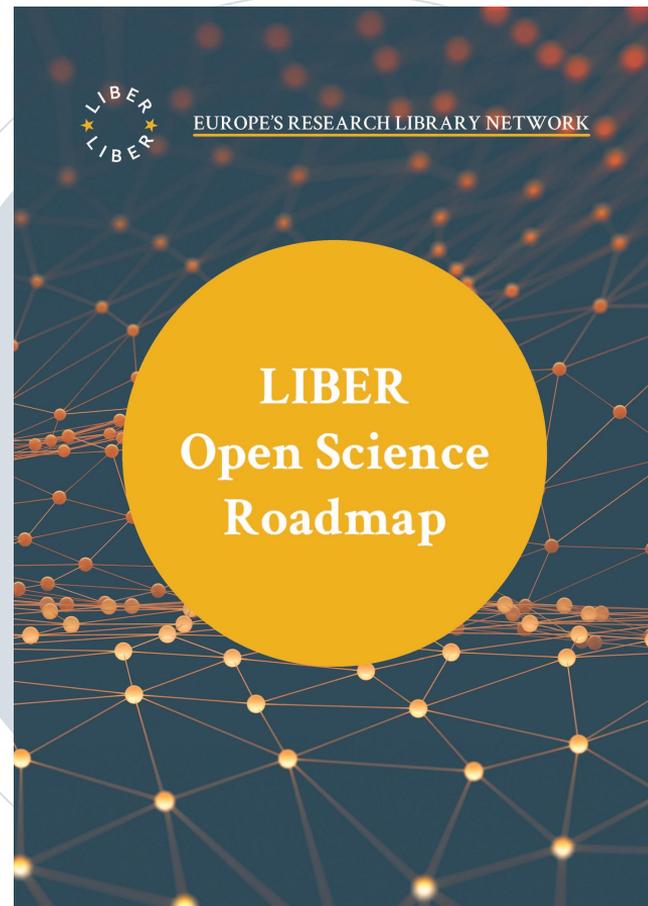
OCLC-LIBER Open Science Discussion Series



Open Science Roadmap

Focus Areas

1. Scholarly Publishing
2. FAIR Data
3. Research Infrastructures & the EOSC
4. Metrics & Rewards
5. Open Science Skills
6. Research Integrity
7. Citizen Science



Objectives and desired outcomes

- Offer our networks a **forum for meaningful discussion**
- Offer an opportunity to **exchange ideas across the Atlantic**, with audiences from both Europe and North America
- Identify **key research questions** that LIBER in cooperation with OCLC can address to advance the role of research libraries in an emerging open science landscape

Results

1. Good participation: **53** attendees from **18** countries
2. Positive feedback: **meaningful conversations**, participatory, caring, **stimulating**, different points of view across continents, well structured, poll was a **good instrument to collect obstacles**
3. Nice reports: **7** blog posts on HangingTogether.org



A close-up photograph of a hand placing a puzzle piece onto a dark, reflective surface. The puzzle pieces are in various colors, including blue, yellow, orange, and green. The surface reflects the pieces and the hand, creating a clear mirror image. The background is blurred, focusing attention on the hand and the puzzle pieces.

**The whole is greater than the sum of
its parts**

The whole is greater than the sum of its parts

WHAT DOES AN IDEAL FUTURE STATE LOOK LIKE FOR THE OPEN SCIENCE ECOSYSTEM?

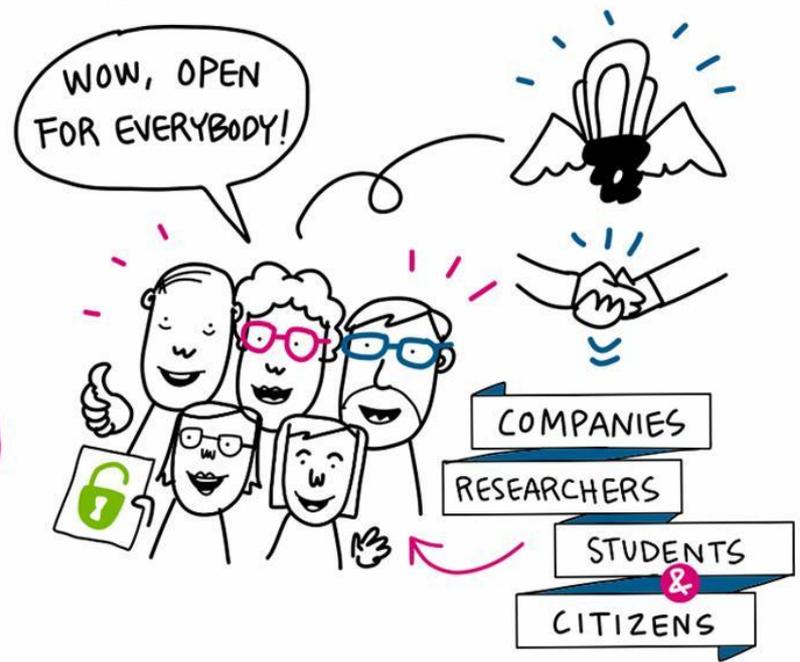
WHAT ARE THE MAIN CHALLENGES AND OBSTACLES PREVENTING SWIFT ACHIEVEMENT OF THIS IDEAL?

HOW CAN THE LIBRARY (AND OTHER) COMMUNITIES TAKE COLLECTIVE ACTION TO ADDRESS THESE CHALLENGES/OBSTACLES?

WHAT DOES AN IDEAL FUTURE STATE LOOK LIKE FOR THE OPEN SCIENCE ECOSYSTEM?



Imagine...

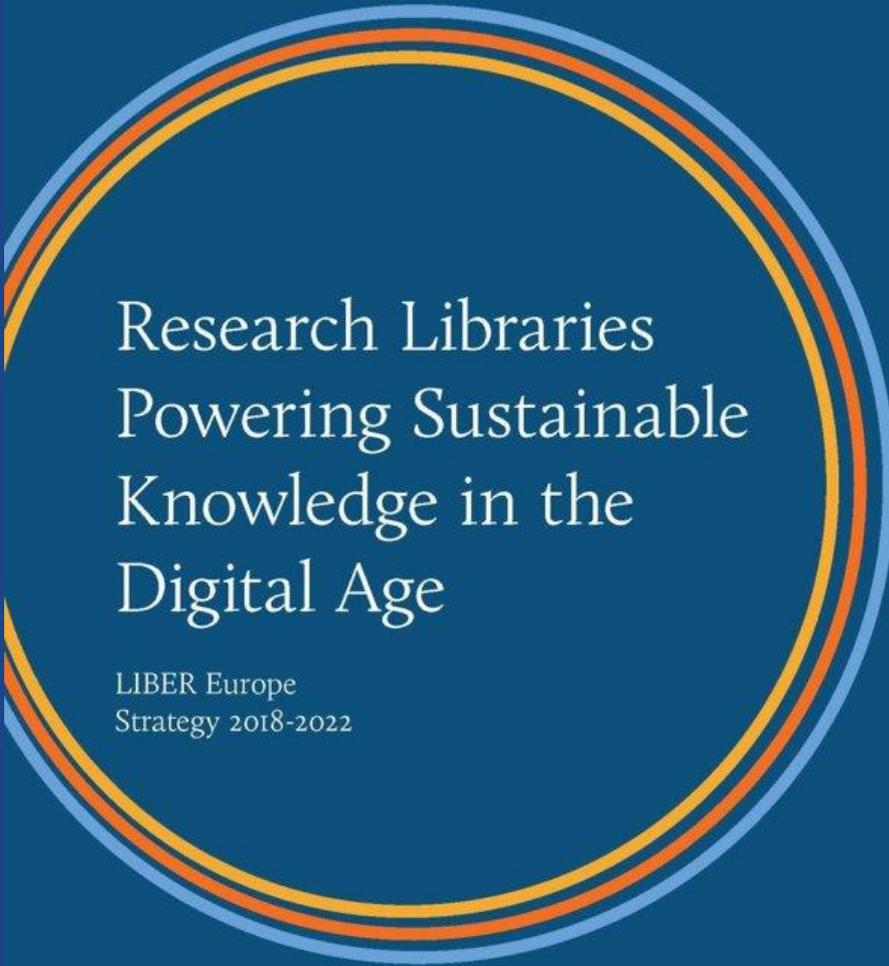


In the Ideal Future...

- **Culture** has changed
- All Research Processes are **Open, Transparent & Inclusive**
- Infrastructures, Services and Data are **Interoperable & Accessible**
- Librarians have all necessary **Skills**
- New **Metrics and Rewards** are in place
- Libraries **cooperate** with everyone



Photo by [Dino Reichmuth](#) on [Unsplash](#)



Research Libraries Powering Sustainable Knowledge in the Digital Age

LIBER Europe
Strategy 2018-2022

Vision: The research landscape in 2022

- Open Access is the main form of publishing
- Research Data is Accessible, Interoperable and Reusable (FAIR)
- Digital Skills underpin a more open & transparent research life cycle
- Research Infrastructure is participatory, tailored and scaled to the needs of the diverse disciplines

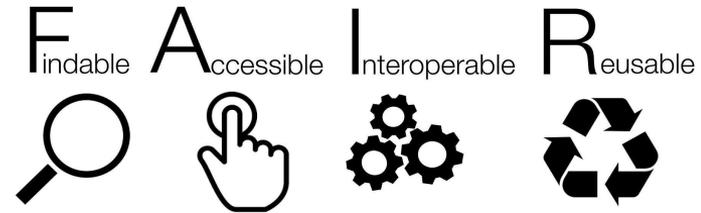


In the Ideal State: Culture has changed

- Openness is **central**
- All Research Processes are **Open, Transparent & Inclusive**
- Open Science Values & Principles are **institutionalized** (Research Integrity) & are part of **PhD education**
- The Open Science **jargon & acronyms** (DMP, FAIR, CARE, etc.) are adapted
- Students and Researchers **understand** what Open Science means in practice for them
- New types of Incentives (Metrics & Rewards) for Research are in place: **transparent and open**

In the Ideal State: Infrastructures, Services and Data are Interoperable & Accessible

- Research is **Data-Driven** and there are **Robust Infrastructures** for storing, sharing, processing and preserving data
- Infrastructures are **globally interconnected & seamlessly integrated** leading to an Internet of FAIR data and services
- Software and metadata are **equally available** to humans and machines
- Data is **available** “naturally and easily”
- Metadata standards are **FAIR** and ensure **Semantic Interoperability**



In the Ideal State: Librarians have all necessary Skills

- Open Science and FAIR Principles are embedded in Librarian Skills
 - **Soft Skills:** able to walk in the shoes of Researchers / Students / Citizens
 - **Hard Skills:** vocabularies, metadata, basics of software programming, tools and data science
- There is a **Balanced Distribution of Labor** between Data Scientists and Researchers
- The Library is the Place to go for **Data Services**



In the Ideal State: Research Libraries collaborate with...



**WHAT ARE THE MAIN
CHALLENGES AND
OBSTACLES PREVENTING
SWIFT ACHIEVEMENT OF
THIS IDEAL?**



Poll results for the Skills session

1. Cultural change is needed (8)
2. Librarians are not all skills as they should be (6)
3. Skills not integrated in curricula (5)
4. There is no reward for the researchers => no incentive, no will, no skills
5. Librarians should not only be positioned as support staff but also as partners (4)
6. Awareness (4)
7. Anxiety about lack of technical mindset for learning the 'hard' skills (4)
8. The scientific publication system at the moment – need for paradigm shift (3)
9. Lack of resources (3)
10. Researchers are not motivated to move to Open Science (1)
11. Librarians should maybe work partly as researchers and partly as librarians (1)
12. Lack of incentives/resources (1)
13. Open discussions with researchers (1)
14. Traditional divisions of work (1)
15. A career path for librarians (0)
16. Librarians are not educated in digital skills (0)
17. Skipping the explanation because we think everyone already knows (0)
18. Pathways to deliver training (0)
19. International governance (0)
20. A coalition (0)
21. Huge range of disciplines that we need to support (-1)

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21. Huge range of disciplines that we need to support (-1)

Main obstacles to reach the ideal future state

1. Culture change necessary
2. Inadequate rewards and incentives
3. Lack of researcher awareness and involvement
4. Lack of skills relating to OS
5. No agreement on standards & interoperability

1. Culture change is necessary

- Need to change ingrained attitudes

“librarians are risk-avoiding”; “need to change the attitude of senior researchers and senior campus leadership”

- Lack of collaboration and engagement with other stakeholders
 - between libraries and researchers
 - siloed structure across academic campus
 - different stakeholders have different perspectives on Open

- It's also about a bigger culture change: Open as a “second nature”

2. Inadequate rewards and incentives

What is inadequate?

- The **evaluation** system for researchers and institutions
- The **funding** system
- The **metrics and rewards** system
- The **competitive nature** of rewards system (*competition trumps ethics*)
- **No recognition**, incentives or rewards **for doing Open**

3. Lack of researcher involvement

- Researchers are still **not aware** of OS practices
- Researchers are **uncertain** of what OS means to them
- Researchers **lack knowledge** of OS (e.g. research integrity, ethics)
- Researchers are **not being involved** in OS developments (e.g. EOSC)
- Researchers perceive OS practices as **a burden**
‘this is yet another thing we need to do’

*“younger researchers are more involved in open science, but they are more at risk of being caught in [the trap of] predatory practices, for example predatory journals. They are **less aware** of the huge problems about integrity.”*

*“Having to report outputs multiple times, again and again, in different systems, is a **burden** for researchers (...) They are pretty burned-out – there are mental health issues with this”*

4. Lack of skills

What are the most important skills that librarians lack?

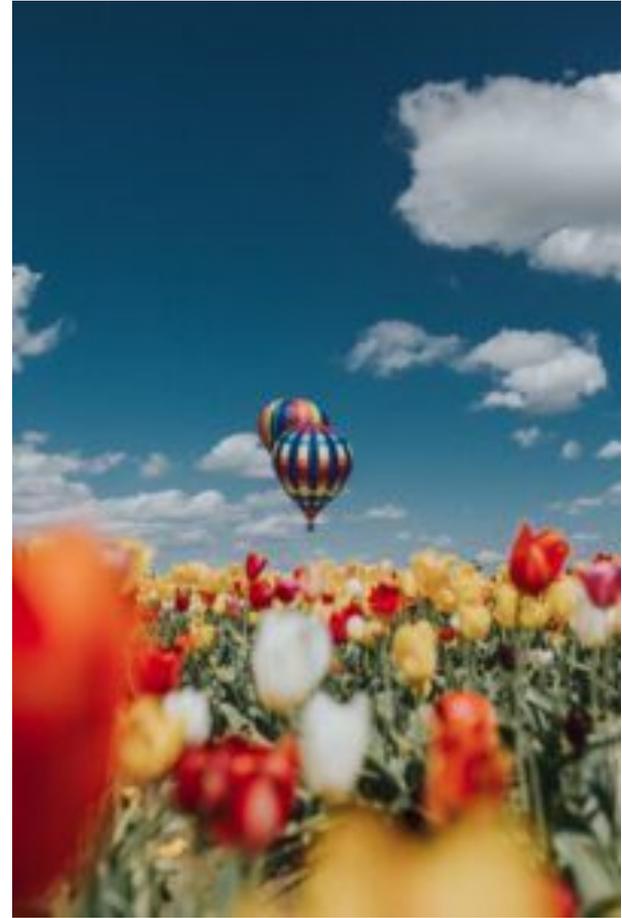
“Connecting to researchers is one of the most important skills librarians have to learn. Get out there. Go to researchers. Don’t stay behind your bookcase. If we stay in our library, nothing will happen.”

*“I agree, and I think also that researchers want to talk with people **who understand what they do**. Not every librarian needs to be an excellent programmer or data scientist, but to be a good person to speak with, to make connections, they need to know at least the basics of these hard skills.”*

5. No standards & interoperability

- No agreed standards; stop trying to develop different standards
- PIDs are important, but are often not supported by information systems
- No seamless integration
- No open metadata

**HOW CAN THE LIBRARY (AND
OTHER) COMMUNITIES TAKE
COLLECTIVE ACTION TO
ADDRESS THESE
CHALLENGES/OBSTACLES?**



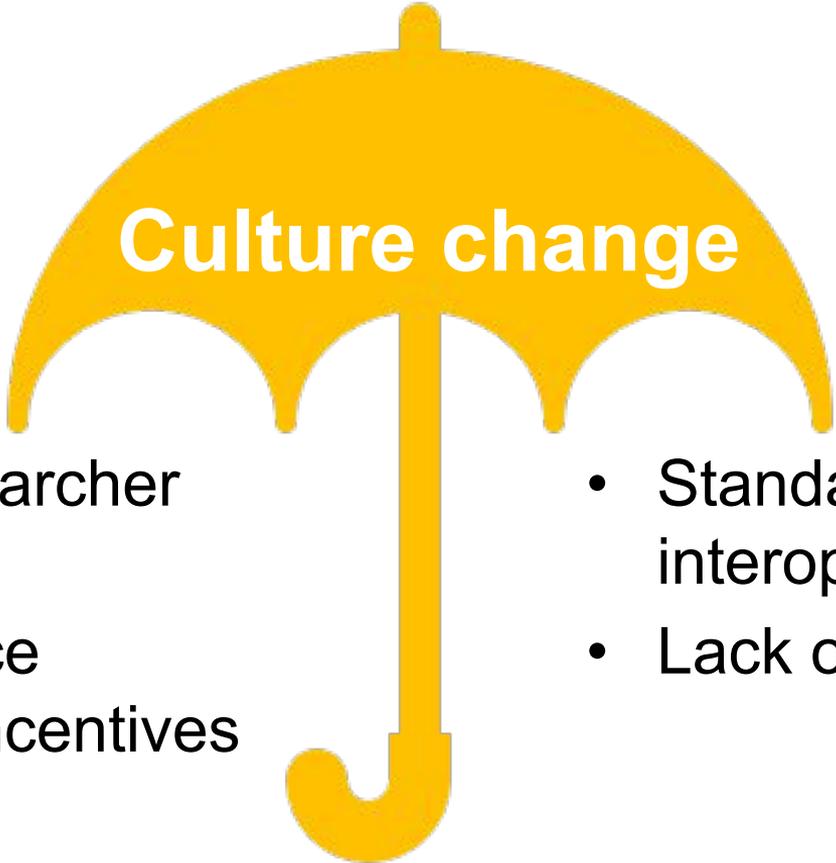
So... how do we get there?

- Harder to **ideate**
- We heard **frustration**
- Discussions focused on local, **below-the-institutions** efforts
- Repeatedly heard the need to work **outside the library**
- Maybe we are **uncomfortable** and don't know how to do this?





Open Science is HARD



Culture change

- Lack of researcher involvement
- Open science rewards & incentives
- Standards, PIDs, and interoperability
- Lack of skills



The library
can't do it
alone.

Open science is an enterprise task

Culture Change/Working together

- Stakeholders/decision makers
- Researchers

Open Science. . .
“must be a collective
effort. . . .
not just libraries”



Above the
institution

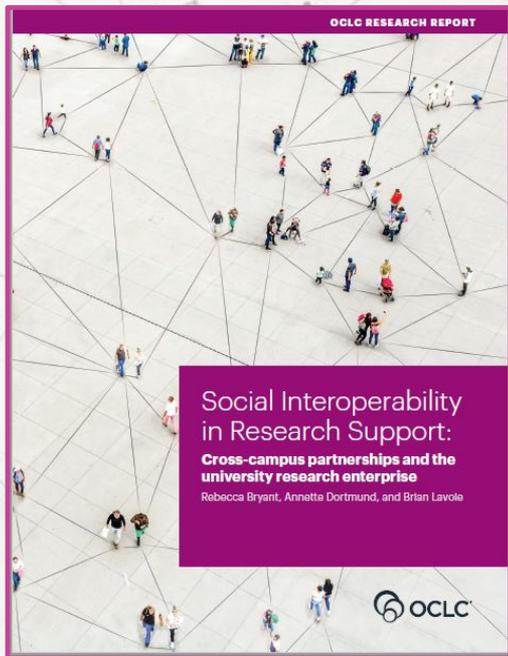
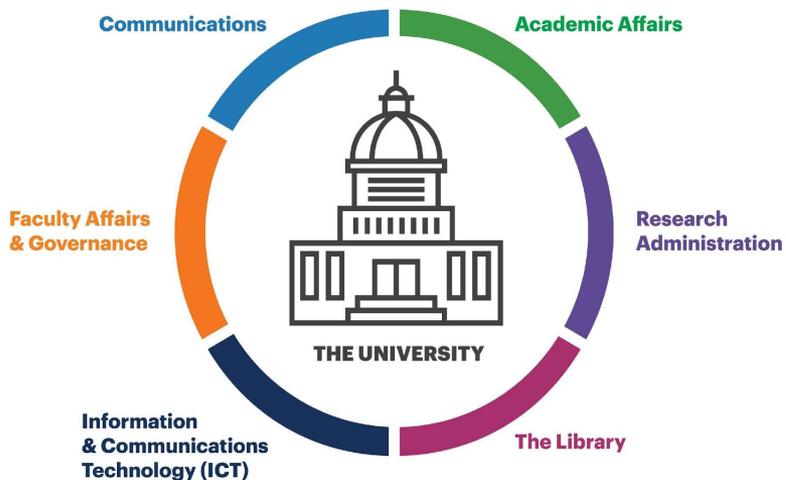


Below the
institution



Below the institution: stakeholders

A Conceptual Model of Campus Research Support Stakeholders



[oc.lc/social-interoperability](https://oclc.org/research-reports/social-interoperability)

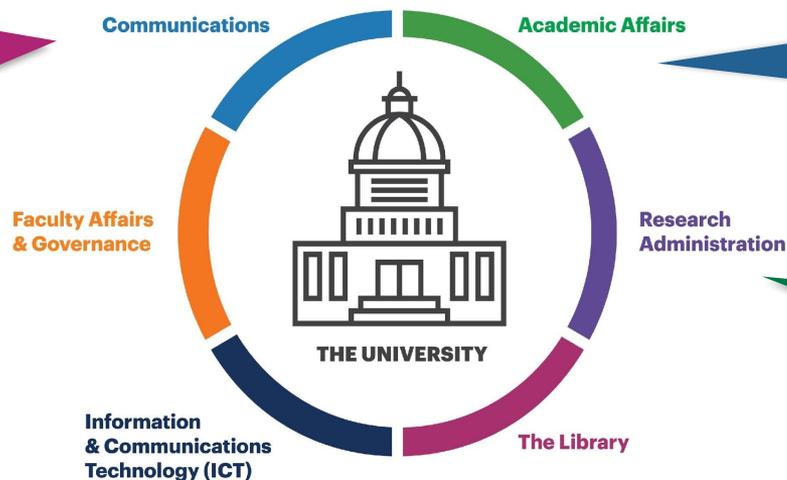


“A conceptual model of campus research support stakeholders” by [OCLC Research](https://oclc.org), from *Social Interoperability in Research Support: Cross-campus Partnerships and the University Research Enterprise* (<https://doi.org/10.25333/wvrd-n586>), CC BY 4.0

Below the institution: stakeholders

At TU Delft, “The Science Centre. . . Supports researchers to translate their research for the layman.”

A Conceptual Model of Campus Research Support Stakeholders

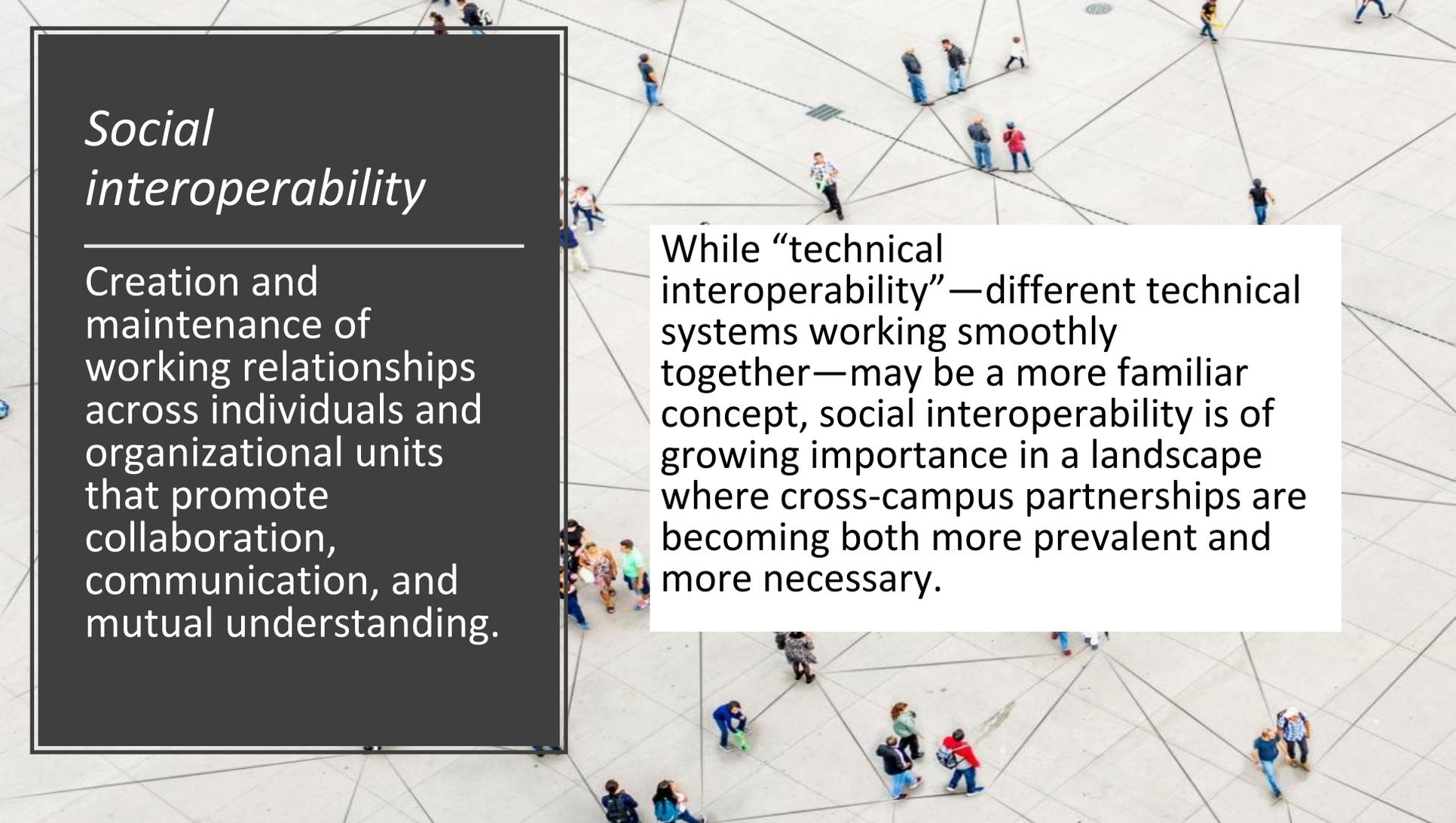


“We need to collaborate with the deans, provost, associate deans council. Customize impact reports for them.”

“We have librarians that are funded by them”



“A conceptual model of campus research support stakeholders” by [OCLC Research](https://doi.org/10.25333/wvrd-n586), from *Social Interoperability in Research Support: Cross-campus Partnerships and the University Research Enterprise* (<https://doi.org/10.25333/wvrd-n586>), CC BY 4.0



Social interoperability

Creation and maintenance of working relationships across individuals and organizational units that promote collaboration, communication, and mutual understanding.

While “technical interoperability” —different technical systems working smoothly together—may be a more familiar concept, social interoperability is of growing importance in a landscape where cross-campus partnerships are becoming both more prevalent and more necessary.

Above the institution: stakeholders

- Funders
- National policy makers
- OS communities like RDA
- PID providers
- Publishers
- Service providers
- Public libraries & citizens

“One thing to push things forward is to **look at funding agencies**. They are the ones that do the assessment! They have a very important role in changing things quickly.”

“Work with parties that work on innovation: **RDA groups, GOFAIR, EOSC.**”

Culture change starts with us

“We CAN broker relationships,
and that’s underrated.”

“Be the single point of contact.
.. “ to bring libraries and
researchers together

- Library is central campus unit and trusted, “agnostic” partner for sustainable projects
- Expertise in
 - Metadata, licensing, ©, FAIR, predatory journals, OA, & more

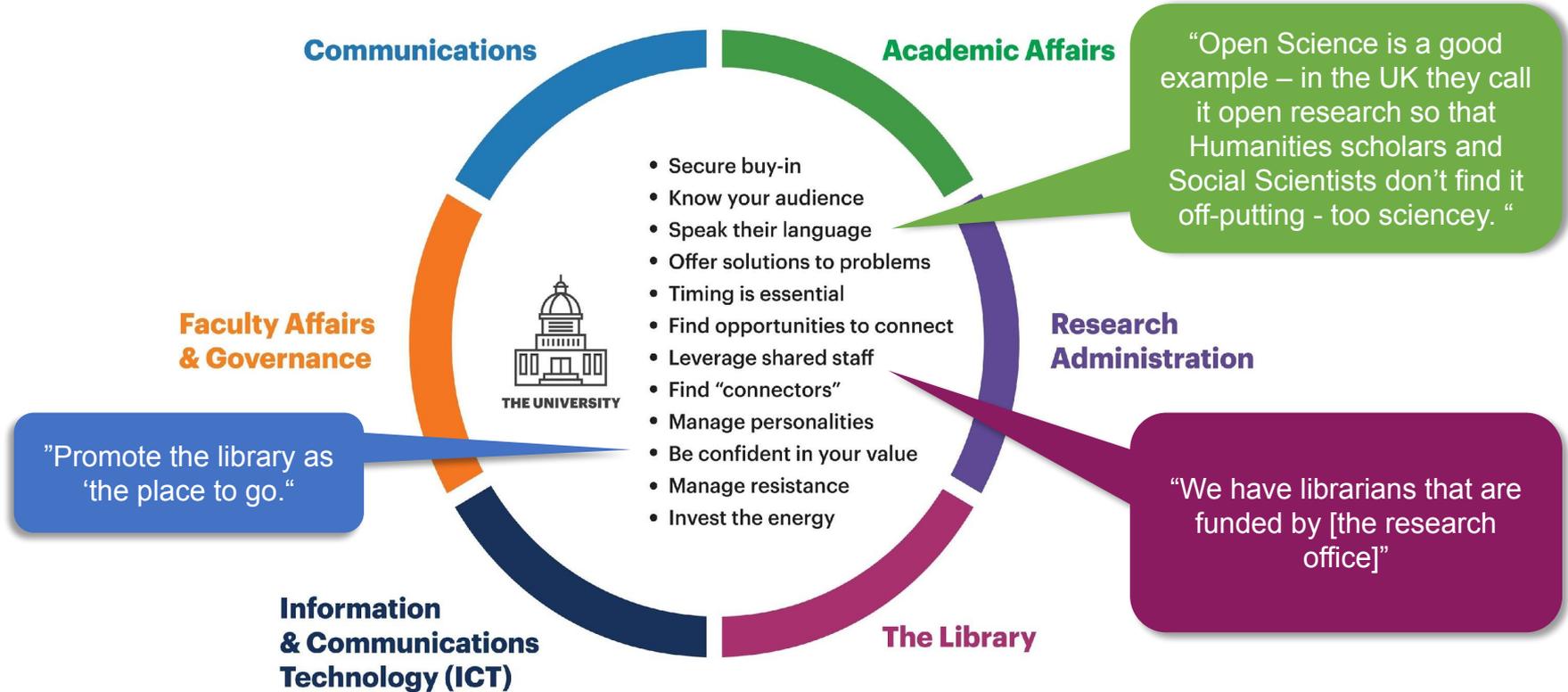
Culture change starts with us

- **Overemphasis on values**, to the neglect of others' needs & interests
- **Services/value proposition can be diluted** by desire to "be everything for everyone."
- **Slow-moving**, less urgency than other parts of campus. Need to move at same pace as researchers
- **Lack of confidence** among librarians can hinder effectiveness.
- Discomfort with finances

"Maybe . . . we are a bit brutal to them when we come with our mission and we want to skill them, that can be a bit frightening. It's about soft and political skills here.

"Library can be a neutral actor. We can be seen as being helpful, rather than saying you *have* to do OS."

Key Takeaways about Successful Intra-campus Social Interoperability



Researcher involvement, buy-in, and convenience

- Outreach to early career researchers
- Integration of librarians into interdisciplinary research teams
 - Example: [University of Miami](#)

“We need to ‘make open easy’—and we are currently not making it easy.”

“Liaison librarians should become more an integral part of the research team. If they are more embedded in the research process, I think we can do a better job of facilitating conversations around research integrity.”

Incentives

“In the Netherlands they are setting up a system at the national level for rewarding researchers for making data available. You need both top-down and bottom-up incentives.”

“The challenge is moving the funding conversations OUT of the library and into the broader institutional setting.”

- Work both above- and below-the-institution
- If the library isn't in the conversations, it can't have an impact
- Demonstrate value to other stakeholders first

Standards & Interoperability

- Advocate for PIDs
- Ensure existing PIDs like DOIs, ORCID IDs reach maturity
- Build into our systems

“Systems integration is necessary.”

“Build PIDs into all of our systems. We need to practice what we preach.”

- LIBER in partnership with SSHOC to shape & support European OS infrastructure
- OCLC working to surface OA in discovery

Skills

- Acknowledge the need for both technical and “soft” skills
- Collaboration is needed to support OS across all disciplines

”Could we develop coordinated specializations within groups of libraries?”

”What is the modern renaissance librarian? They need basic knowledge (soft skills) and specialism (hard skills).”

“

A revolution is required:

one which **opens up research** processes
and **changes mindsets** in favour of a
world where policies, tools and
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Q & A



NEXT STEPS

We will

- Present results at the **CNI Fall 2020 meeting** (10 November)
- **Publish** the slides and recording of this webinar
- Post a **round-up blog** on [Hangingtogether.org](https://www.hangingtogether.org)
- Finish our **synthesis of the discussions** and **publish the outcomes** in LIBER Quarterly
- Develop a **follow-up LIBER-OCLC activity**

THANK YOU

Moderators, WebEx hosts, subject experts, notetakers and blog post writers

OCLC-LIBER team

Rebecca Bryant, Annette Dortmund, Ixchel Faniel, Rachel Frick, Brian Lavoie, Fiona Leslie, Athina Papadopoulou, Astrid Verheusen, Renée van den Bosch, Titia van der Werf

Invited experts

Sarah Bartlett, Sara Benson, Philipp Conzett, Tiberius Ignat, Lisa Johnston, Thomas Kaarsted, Rachel Miles, Gustaf Nelhans, Agnès Ponsati Obiols, Willi Scholz, Cécile Swiatek, Dominic Tate, Giannis Tsakonas, Charles Watkinson, Hilde van Wijngaarden

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Thank you for joining!

