

# ÖPPEN FORSKNINGSINFORMATION

FÖR STARKA UNIVERSITET, TRANSPARENT  
UPPFÖLJNING OCH FÖRBÄTTRAT SAMARBETE

# **OPEN RESEARCH INFORMATION**

**STRENGTHENING UNIVERSITIES THROUGH  
TRANSPARENCY AND COLLECTIVE ACTION**

# THE BIG PICTURE

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1. The challenges before us are ones relating to information. Its reliability, trustworthiness, provenance and usability
2. Universities are central in providing society with capacities to engage with information. The library is a critical actor in supporting and delivering on that mission
3. We are individually too small to take on mis/disinformation and slop or to solve the challenges of delivering high quality information for decision making. Collectively we can deliver a trustworthy information environment for the good of all

# **SPOILER ALERT**

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...Sweden is doing a pretty good job on a lot of this

**WHAT IS THE BIGGEST WORRY FOR  
YOU IN YOUR ROLE RIGHT NOW?**

Budget

# **WHAT IS THE BIGGEST WORRY FOR YOU IN YOUR ROLE RIGHT NOW?**

Research data systems

*Costs of publishing*

Quality of evaluation data?

Budget

Skills gap/staffing?

University rankings?

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AI information pollution

# **WHAT IS THE BIGGEST WORRY FOR YOU IN YOUR ROLE RIGHT NOW?**

Information literacy training?

Research data systems

Cost of evaluation data?

Costs of publishing

Evaluating  
resources

Systems strategies  
(current and future)

Building (future)  
capacities

Researcher &  
student support

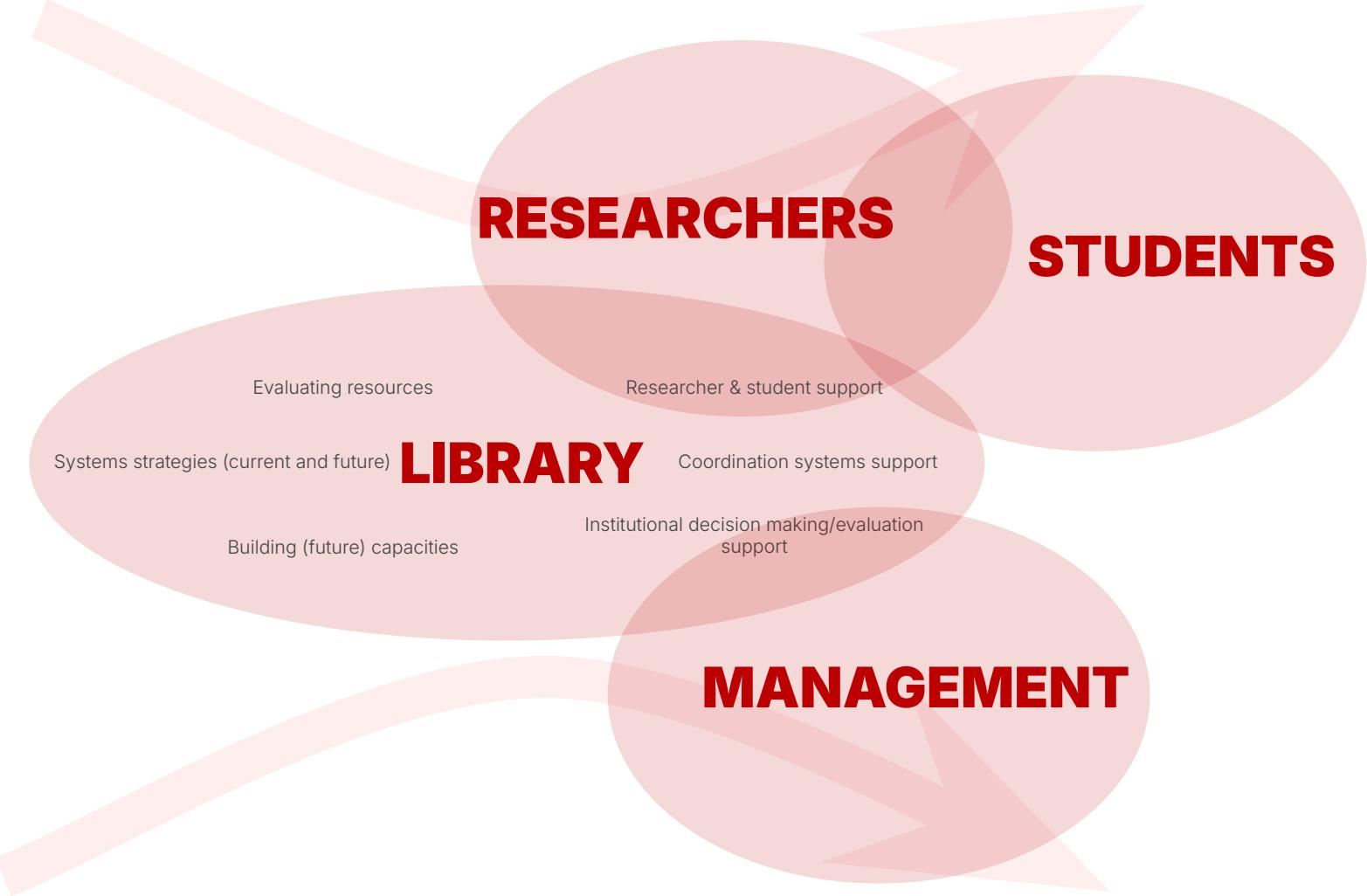
Coordination  
systems support

# LIBRARY

Institutional decision  
making/evaluation  
support







# RESEARCHERS

# STUDENTS

# LIBRARY

# MANAGEMENT

Evaluating resources

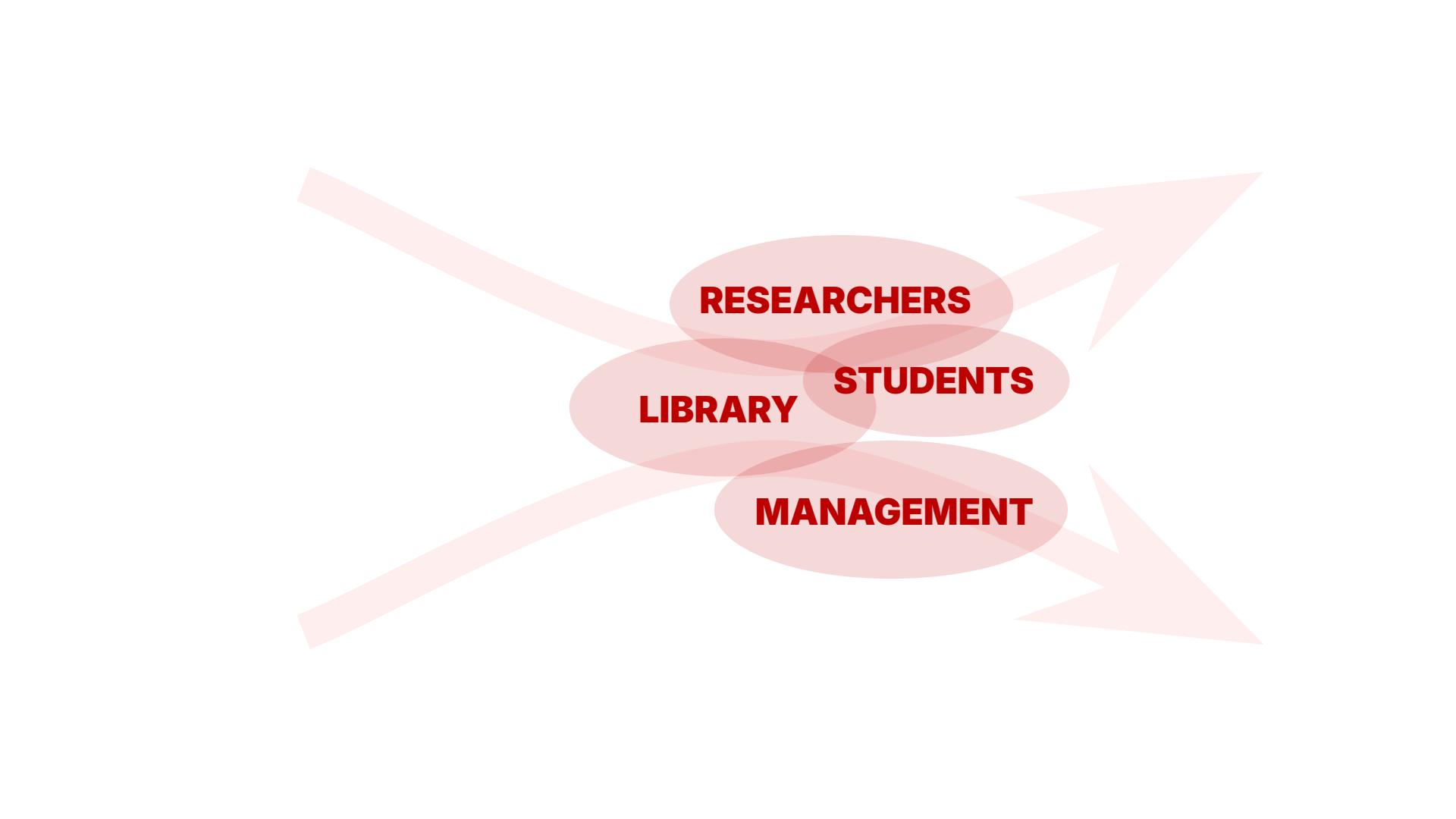
Systems strategies (current and future)

Building (future) capacities

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Coordination systems support

Institutional decision making/evaluation support

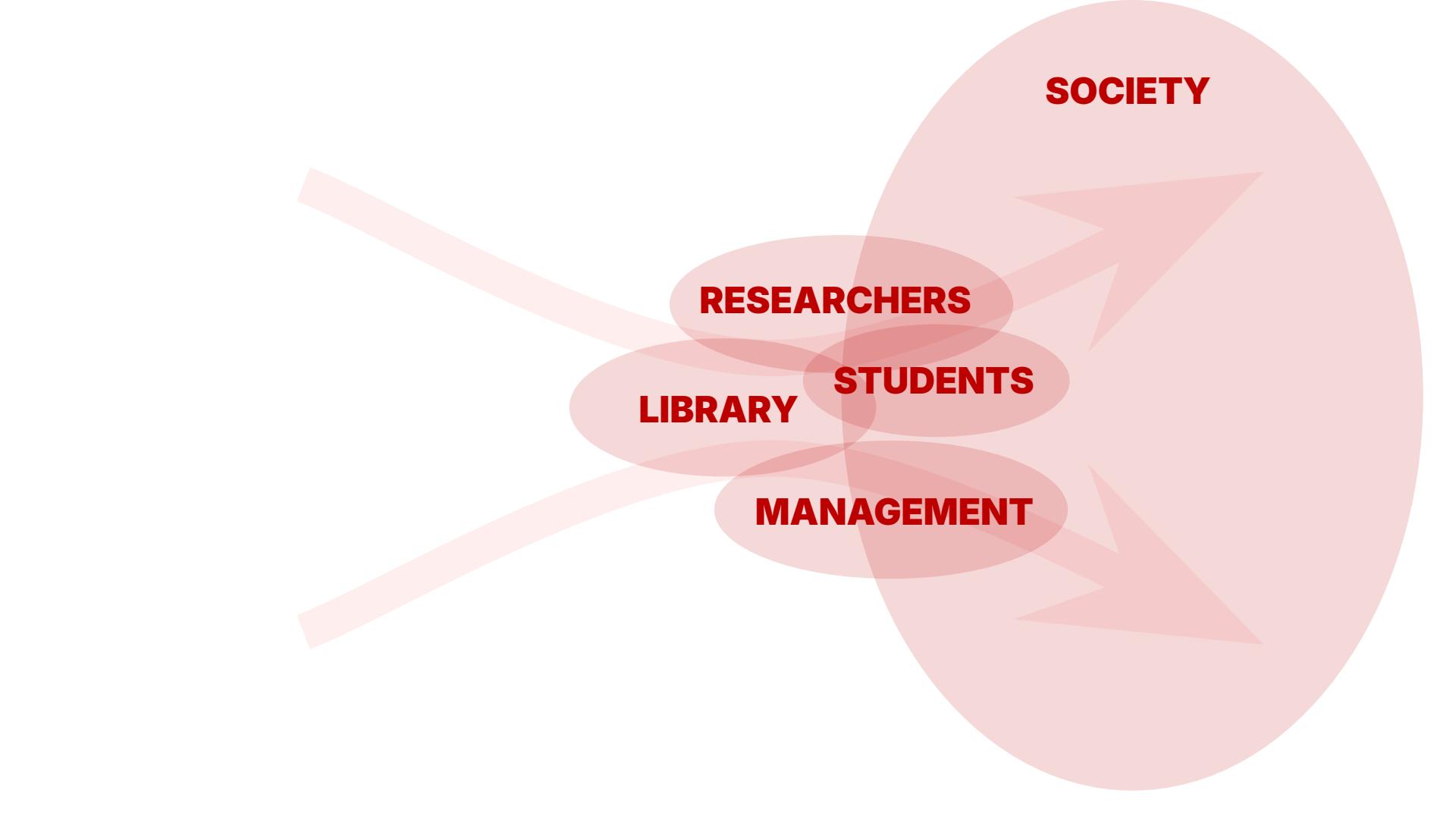


**RESEARCHERS**

**STUDENTS**

**LIBRARY**

**MANAGEMENT**



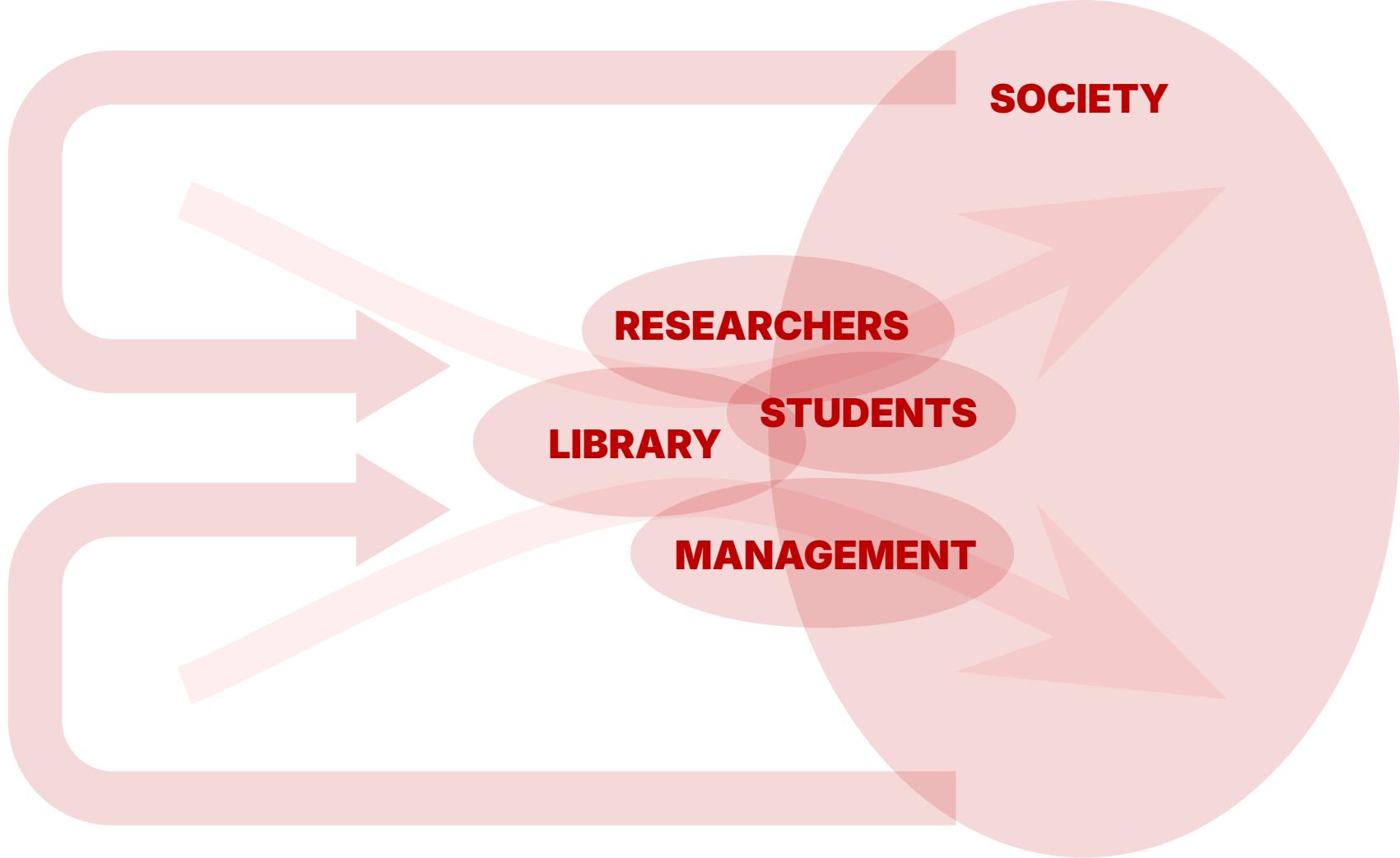
**SOCIETY**

**RESEARCHERS**

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# THREE KEY POINTS

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1. The challenges are too big to tackle only within the library or only within a single institution...or even within a single country. The Nordics or the European Research Area is the sort of scale necessary to succeed. We need to coordinate widely.
2. Coordination is challenging and costly. Particularly in a competitive world. Particularly with limited budget headroom
3. The costs of coordinating a coalition for collective action are *much* higher in closed systems with access-control and gate keeping



# Barcelona Declaration

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[barcelona-declaration.org](http://barcelona-declaration.org)

# Research information must be open

## Closed research information

We are assessing researchers and institutions based on **non-transparent evidence**...

We are making decisions based on information that is **biased against less privileged languages, geographical regions, and research agendas**...

We are monitoring and incentivizing open science using **closed data**...

— but —

— but —

— but —

## Open research information



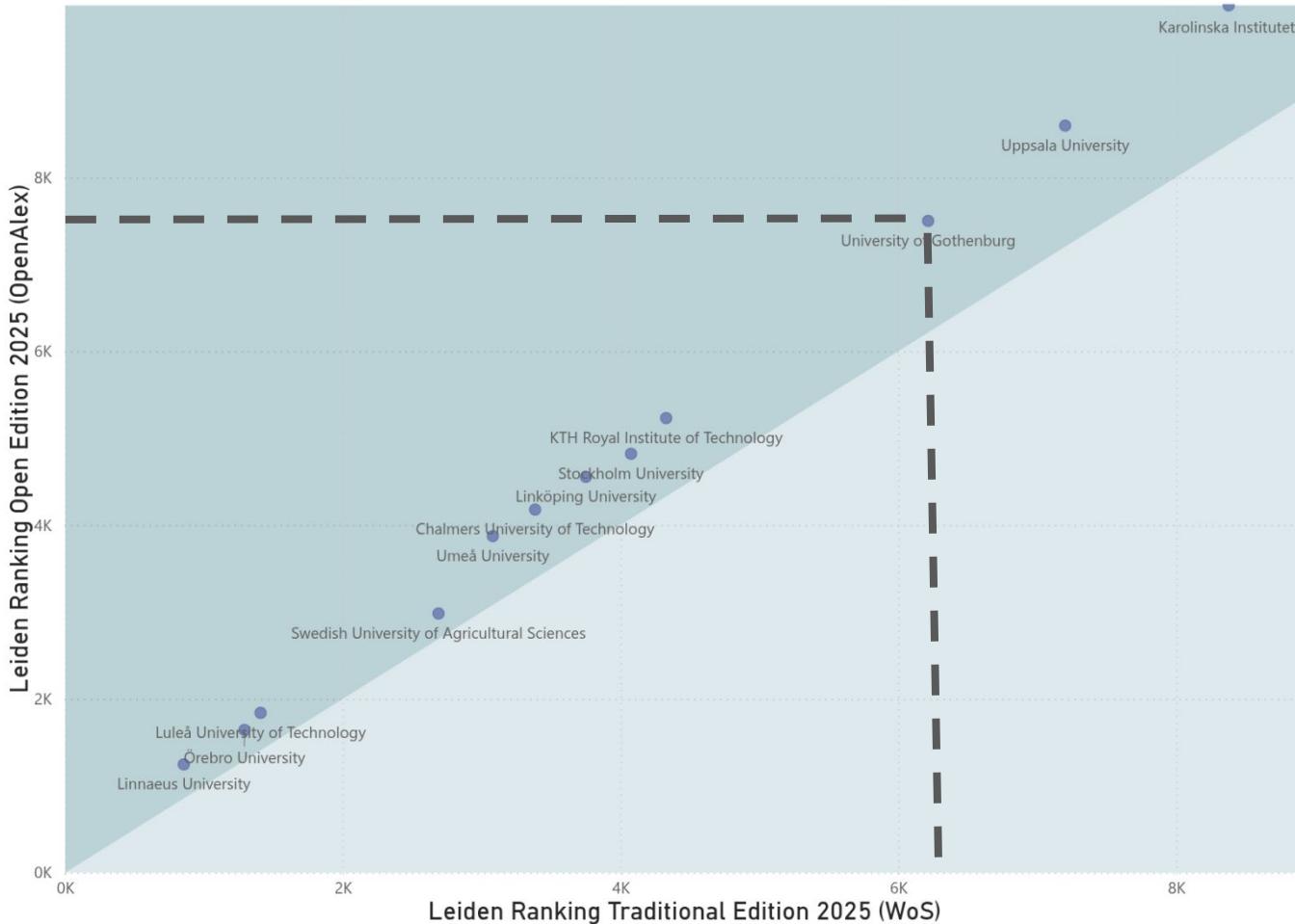
**fair assessment requires full transparency**



**equitable decision-making requires inclusive data**



**open science requires open research information**



#### Period

2020-2023



#### Field

All sciences



#### Country

Sweden



#### Counting method

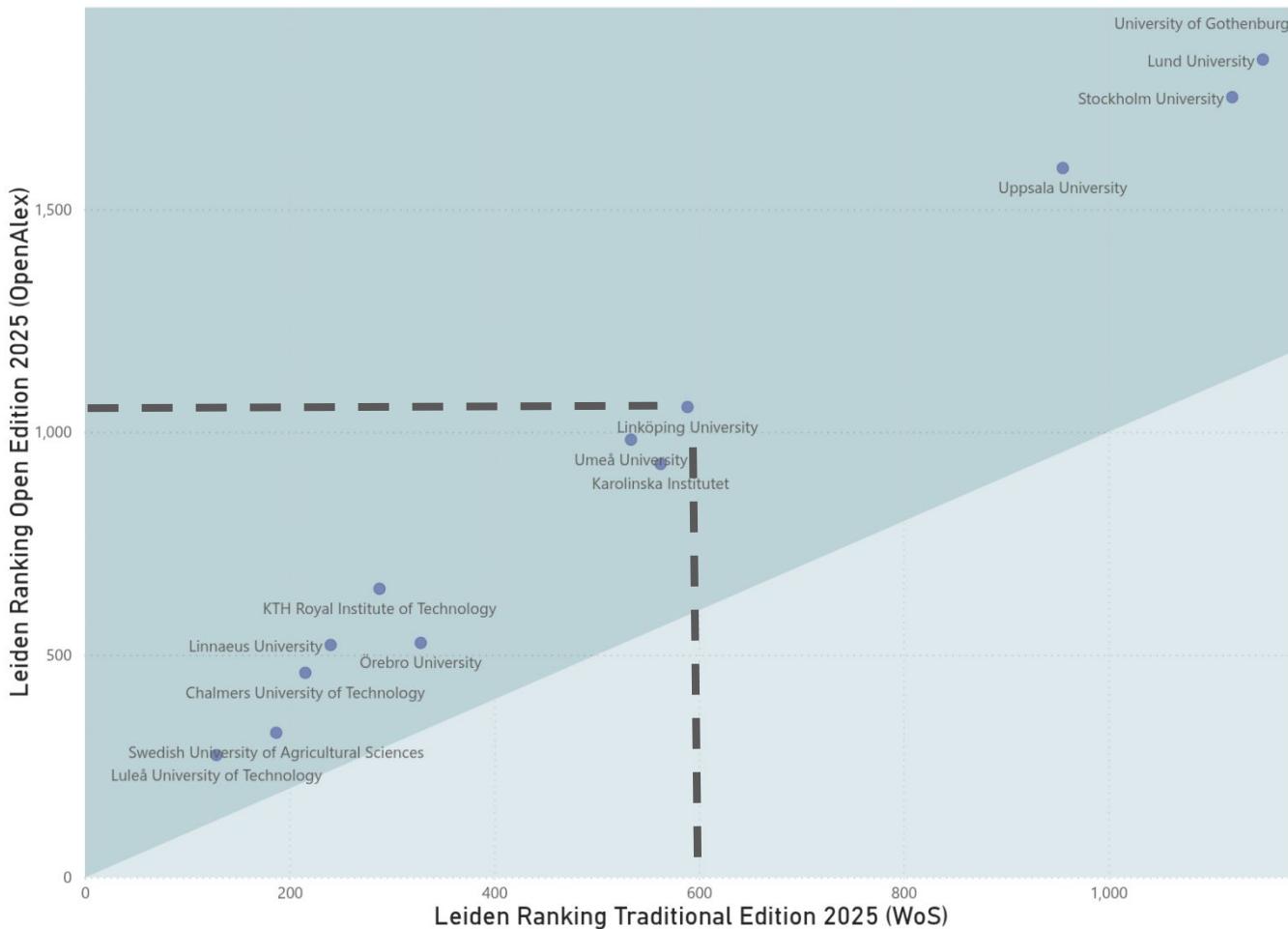
Fractional counting



#### Indicator

P





#### Period

2020-2023



#### Field

Social sciences and humanit...



#### Country

Sweden



#### Counting method

Fractional counting



#### Indicator

P



# Commitments

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As organizations that carry out, fund, and evaluate research, we commit to the following:

BARCELONA  
DECLARATION ON  
OPEN RESEARCH  
INFORMATION



Commitment 1

We will make openness the default for the research information we use and produce

BARCELONA  
DECLARATION ON  
OPEN RESEARCH  
INFORMATION



Commitment 2

We will work with services and systems that support and enable open research information

BARCELONA  
DECLARATION ON  
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Commitment 3

We will support the sustainability of infrastructures for open research information

BARCELONA  
DECLARATION ON  
OPEN RESEARCH  
INFORMATION



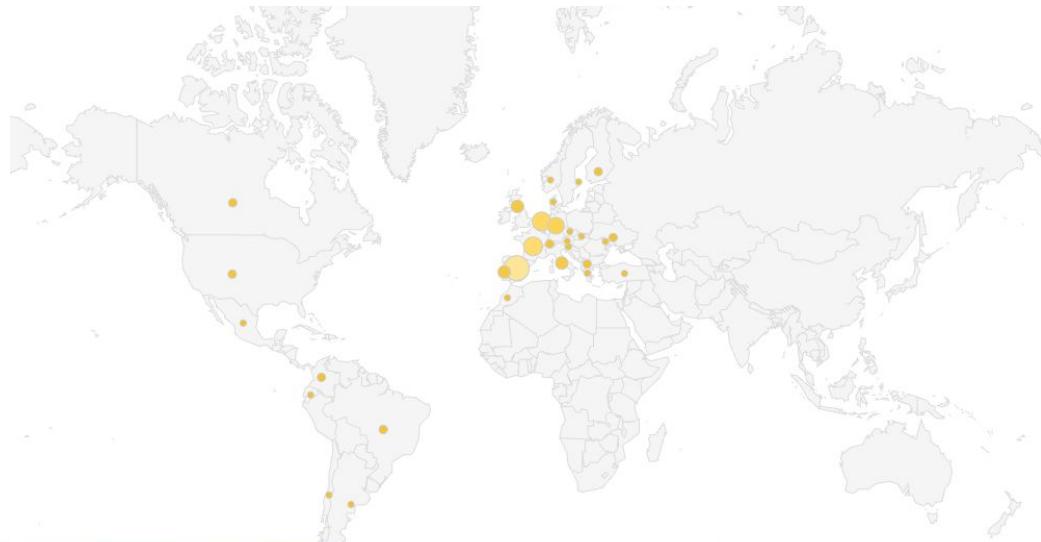
Commitment 4

We will support collective action to accelerate the transition to openness of research information

# Signatories and supporters

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- As of today, the Barcelona Declaration has been **formally signed by 129 organizations in 31 countries**; among others, signatories include universities and other research institutions, research funders, and governments



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- In addition, over **55 organizations** providing data, services and infrastructure are **formal supporters** of the Declaration
- Many organizations have not yet signed the Declaration but have expressed an **interest in contributing to the transition to open research information**

# Collective actions - joint roadmap

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- Journal article and book metadata
- Metadata in repositories
- Funding metadata
- Replacing closed systems
- Sustainability of infrastructures
- Evaluating open data sources
- Evidence of benefits

- ➔ Working groups, coordinated by signatory organizations
- ➔ Concrete outcomes over 6-24 months
- ➔ Collaboration between signatories and supporters

Quality of evaluation data?

Budget

Skills gap/staffing?

University rankings?

AI information pollution

# **WHAT IS THE BIGGEST WORRY FOR YOU IN YOUR ROLE RIGHT NOW?**

Information literacy training?

Research data systems

Cost of evaluation data?

Costs of publishing

**IS OPEN RESEARCH INFORMATION  
CURRENTLY GOOD ENOUGH TO MODEL  
CURRENT AND FUTURE COSTS?**

Evaluating  
resources

Systems strategies  
(current and future)

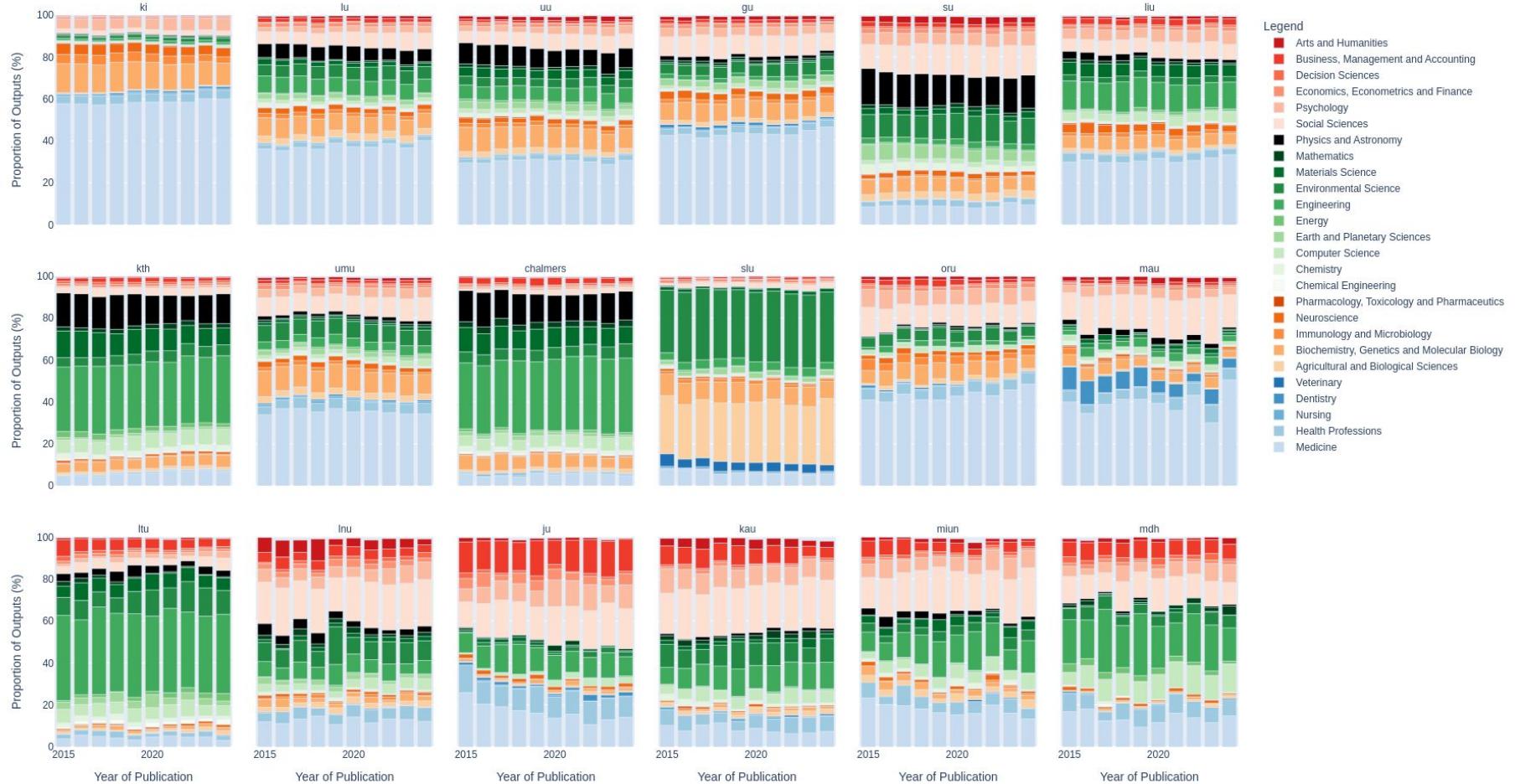
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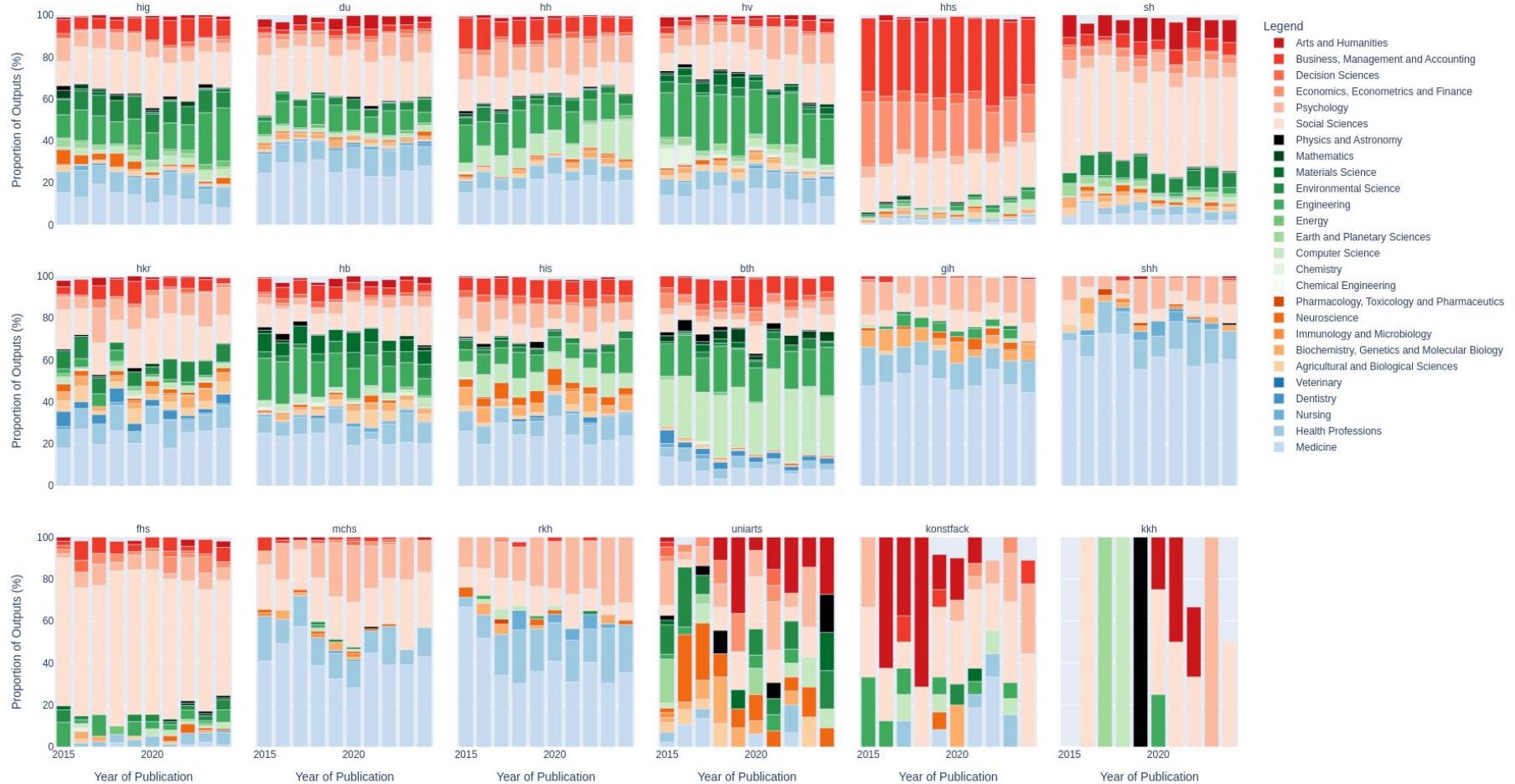
# LIBRARY

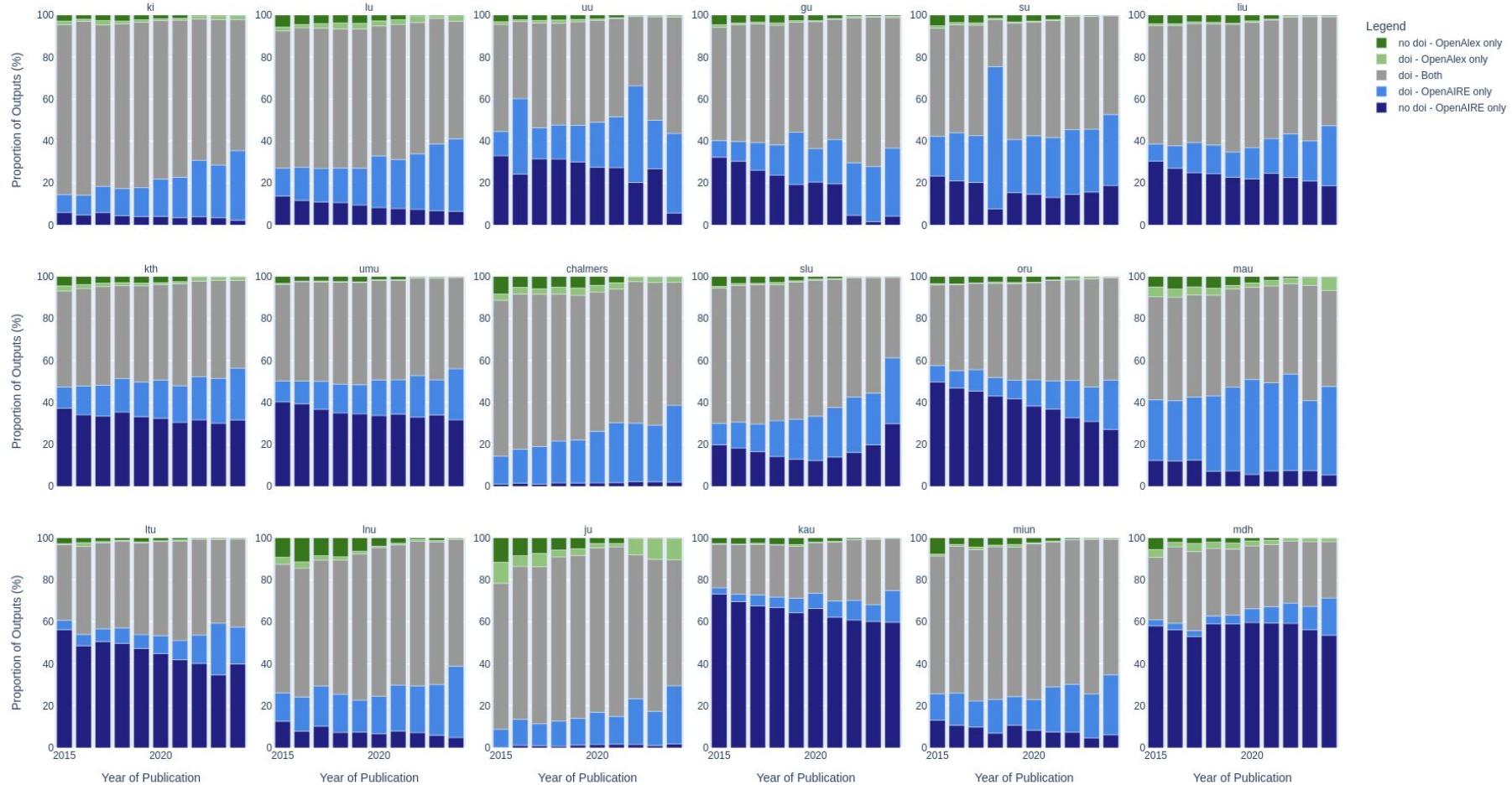
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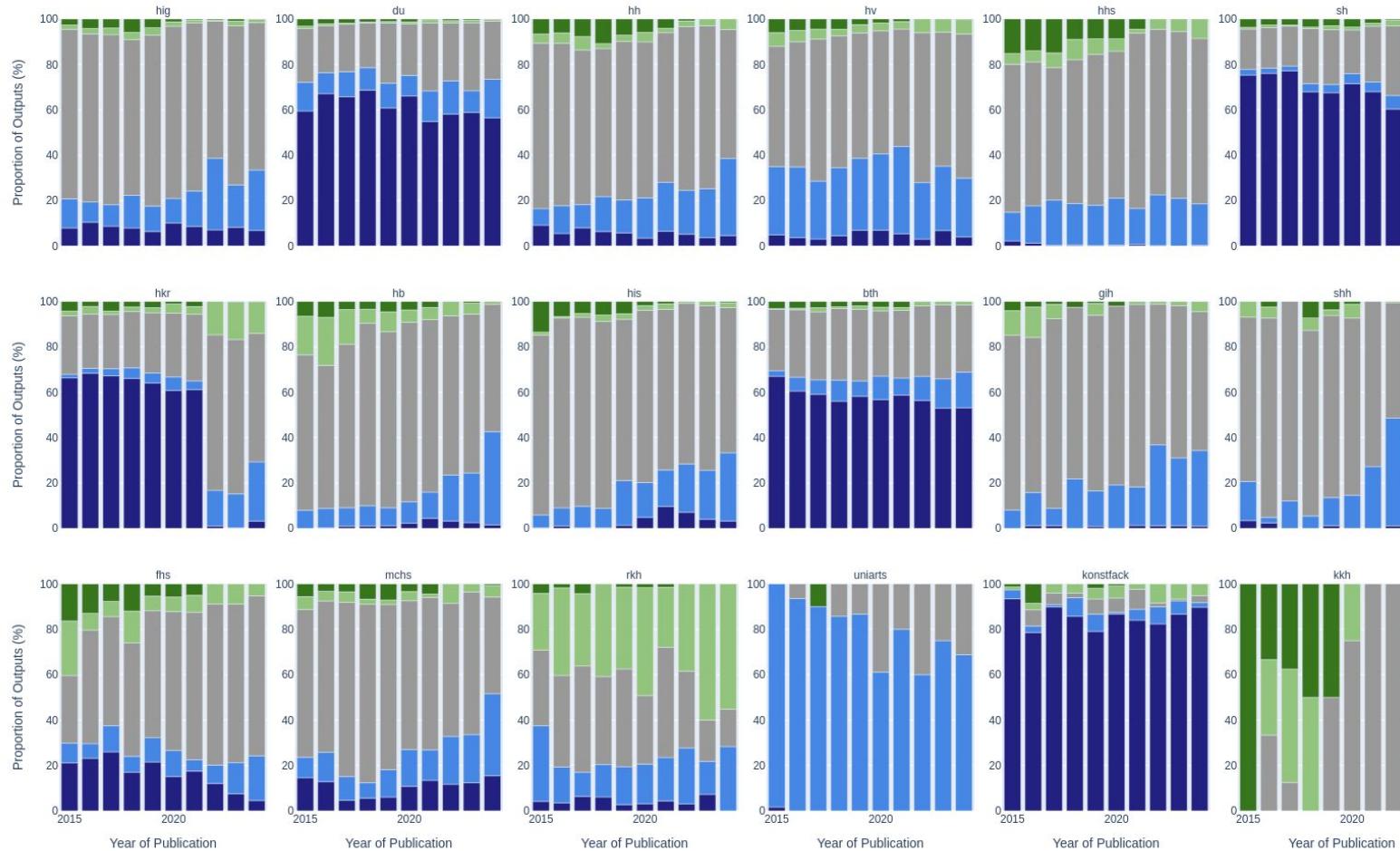
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systems support

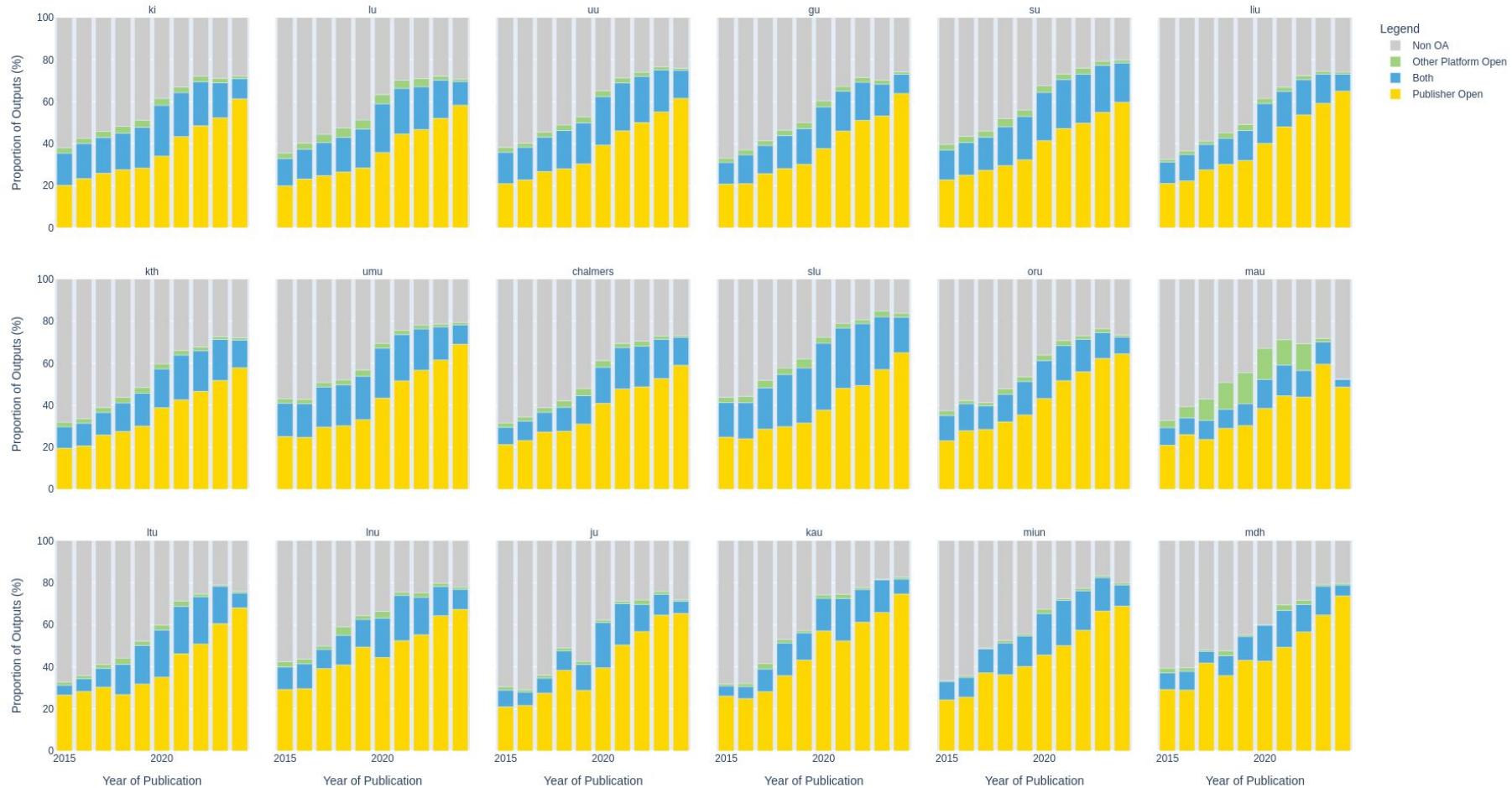
Institutional decision  
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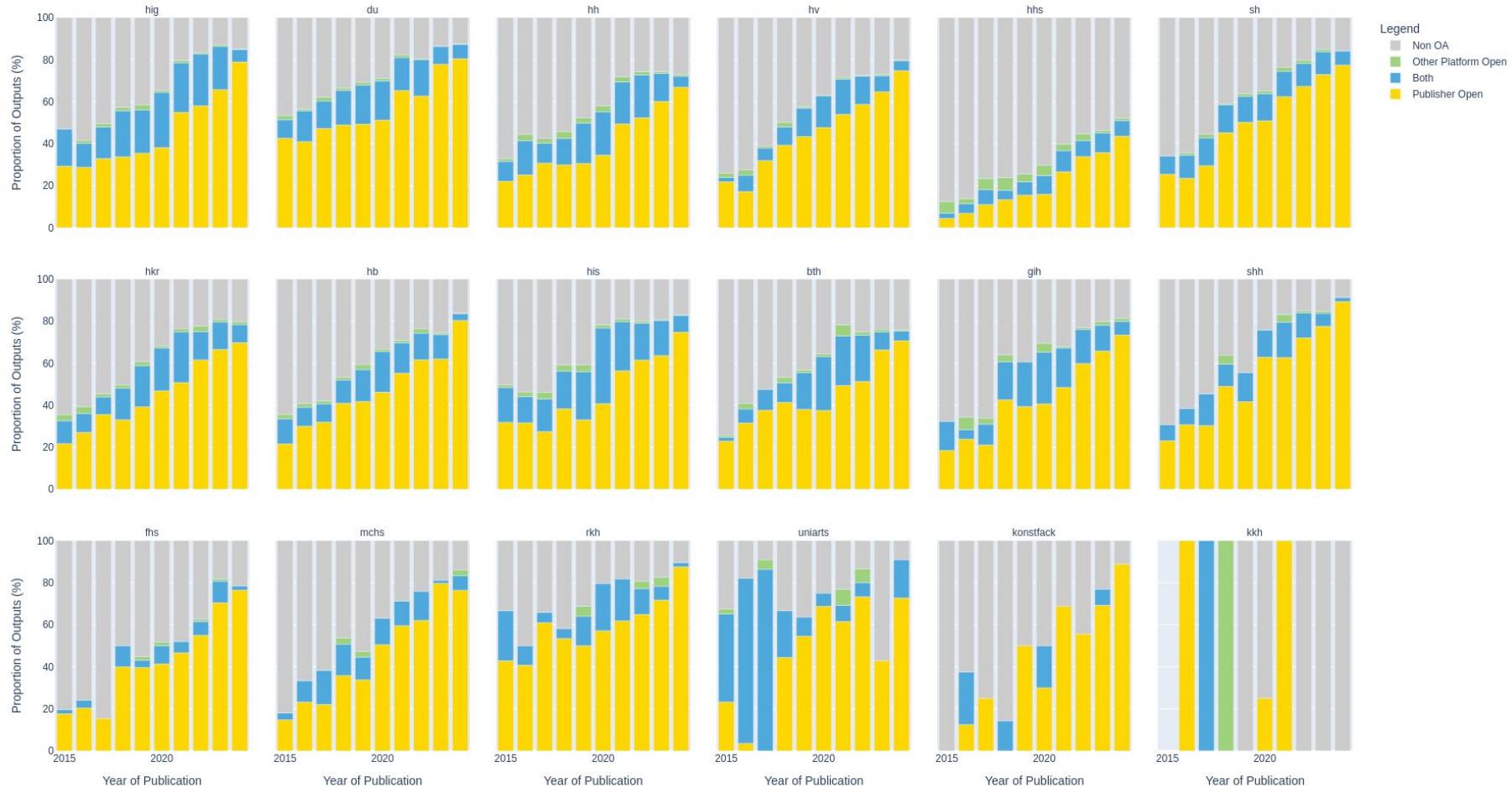


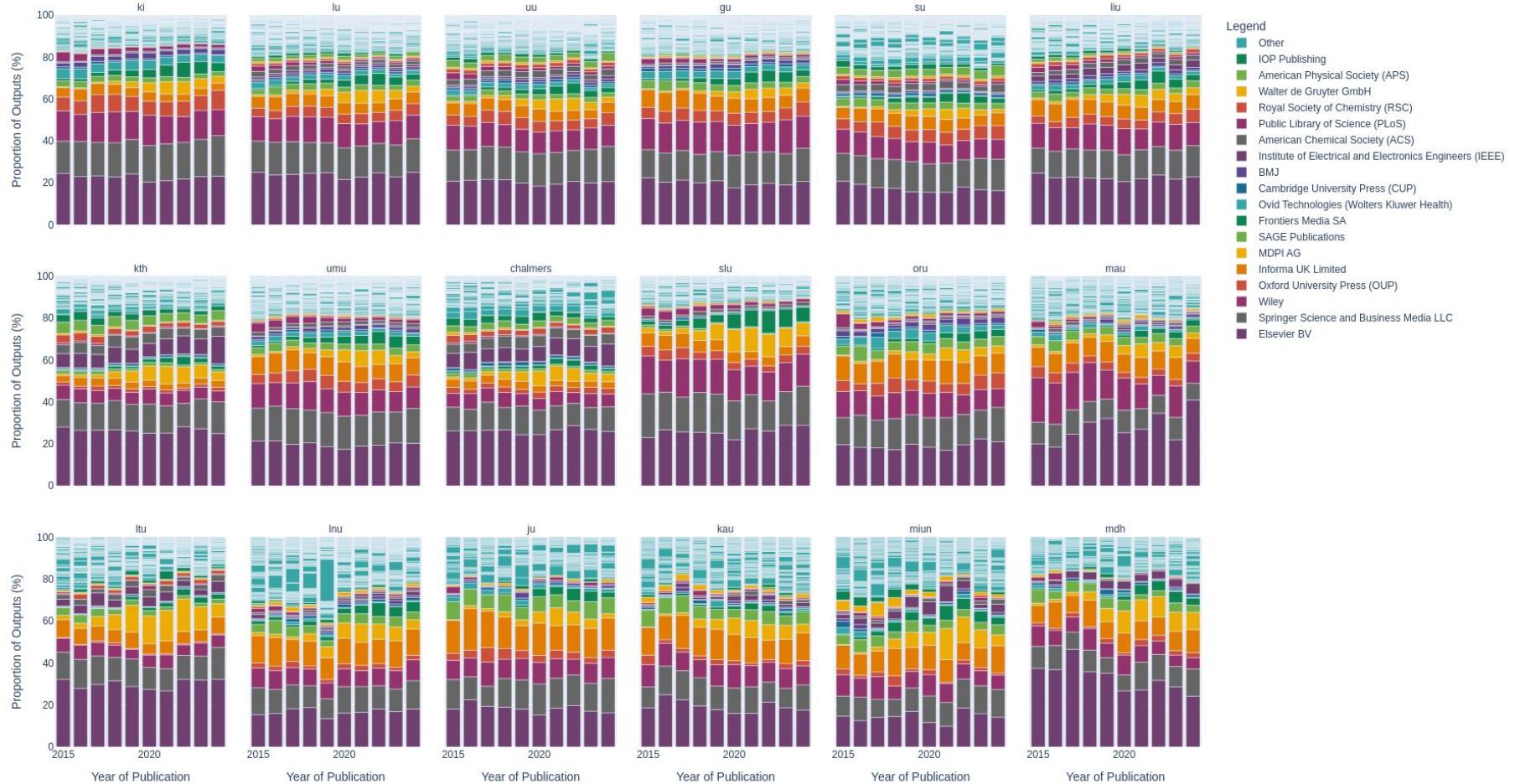


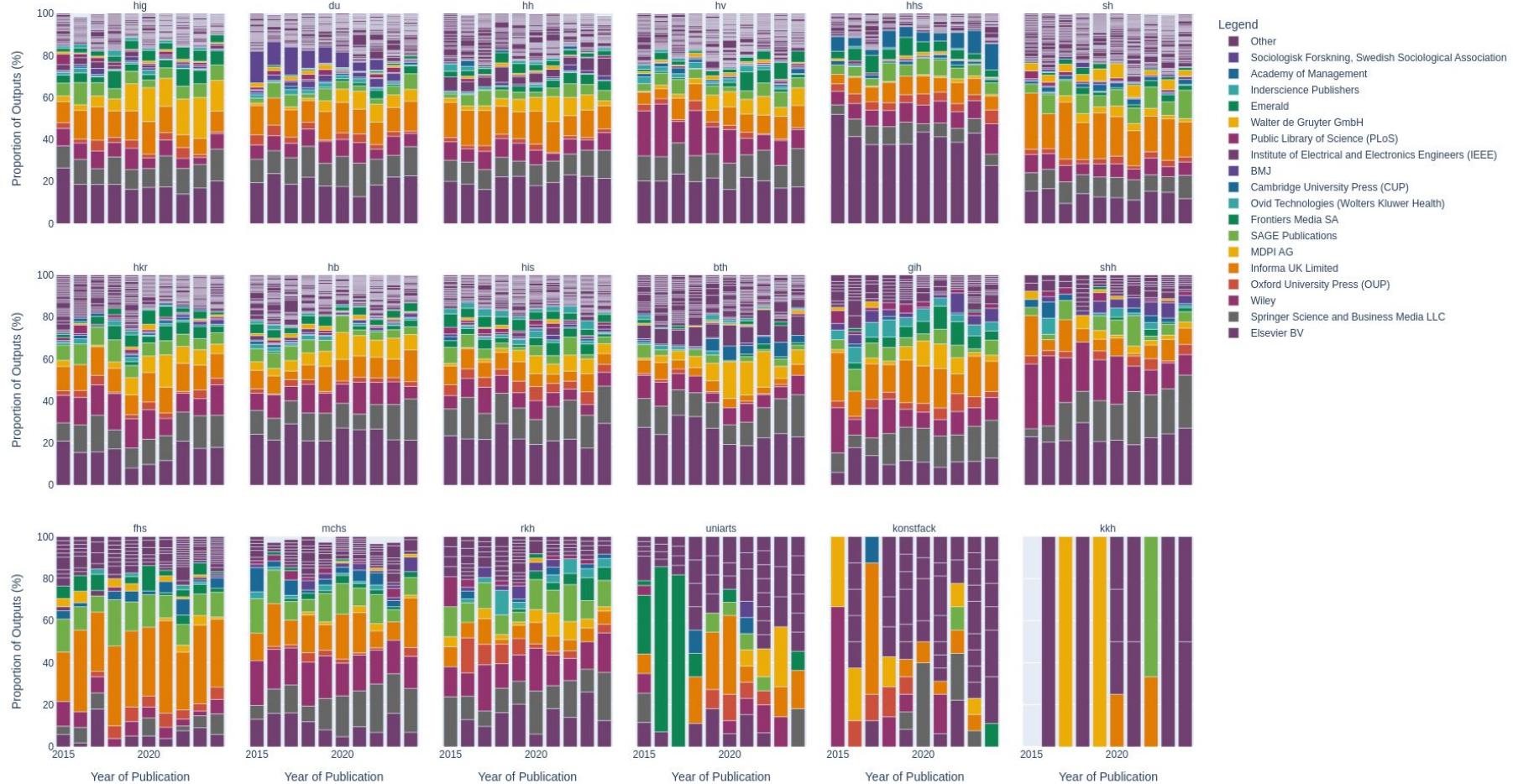












# BIBLIOGRAPHIC & FINANCIAL INFORMATION

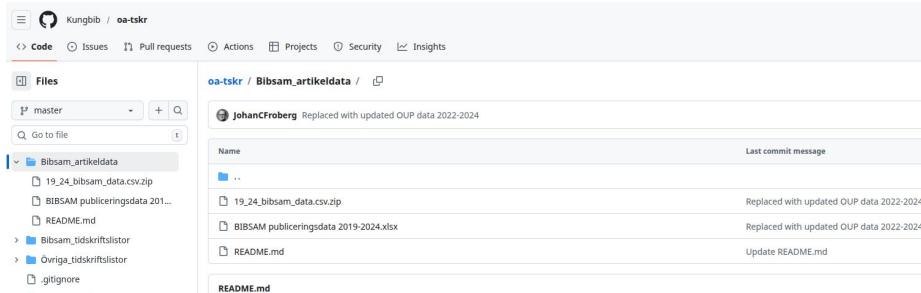
2024

Expenditure item	Million Swedish kronor (SEK)
Subscriptions, Bibsam <sup>1</sup>	19
Local subscriptions	174
Transformative agreements, Bibsam	449
Open access publishing, Bibsam	30
Open access publishing, research funders	55
Open access publishing, local	28
Acquisitions	38
Open infrastructures	12
<b>Total cost of publication</b>	<b>806</b>

Overview of the total cost of publishing 2024.

1) The Swedish library Consortium, Bibsam, negotiates licence agreements on behalf of Swedish organisations.

[View diagrams per expenditure item, per HEI or publisher →](#)



## Om publiceringar inom Bibsamkonsortiets avtal

Här finns csv- och Excel-fil för artiklar inom Bibsamkonsortiets avtal under åren 2019-2024 och där förlagen lämnat uppgifter.

Filerna innehåller de artiklar som ingår i avtalet, oavsett om de är förskottsbetalade eller faktureras löpande och betalas centralt på organisationerna eller av forskarna själva. Det innebär att det finns ett visst överlapp mellan innehållet här och det som inrapporteras till OpenAPC. Framför allt gäller det publiceringar i helt öppet tillgängliga tidskrifter hos PLOS, MPDI, Frontiers, SAGE och De Gruyter.

Uppgiften om år gäller det år då artikeln bekostas inom avtalet (alltså int med publiceringsår).

Uppgifterna är insamlade från förlagens egna system (en eller flera Excel-filer per förlag) och standardiseras. Inget förlag levererar idag all den data vi efterfrågar (se ex ESAC:s rekommendationer på vilken data som rekommenderas (länk: <https://esac-initiative.org/about/oa-workflows/>)). Standardiseringen sker både på variabelnamnsläv och för variabeldata. Exempel på standardisering av variabelnamn är förlagens olika namn för ISSN som Online ISSN, Journal Online ISSN och eISSN - dessa är också sammankopplade under issn\_e. Variabeldata är i stor utsträckning standardisera, t ex organisationens namn. De variabler som inte är standardisera är uppmärkta i rödskället nedan.

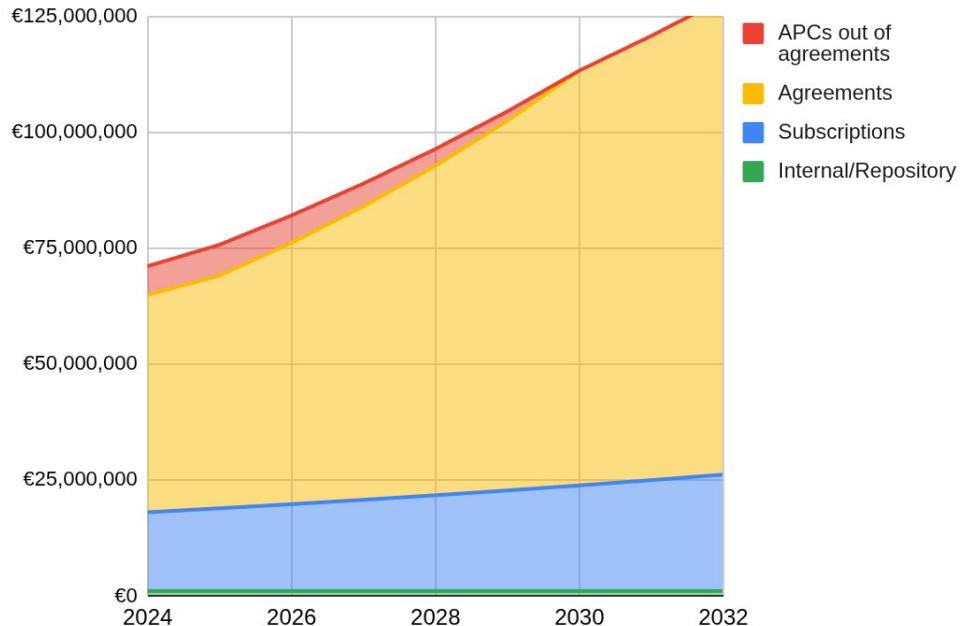
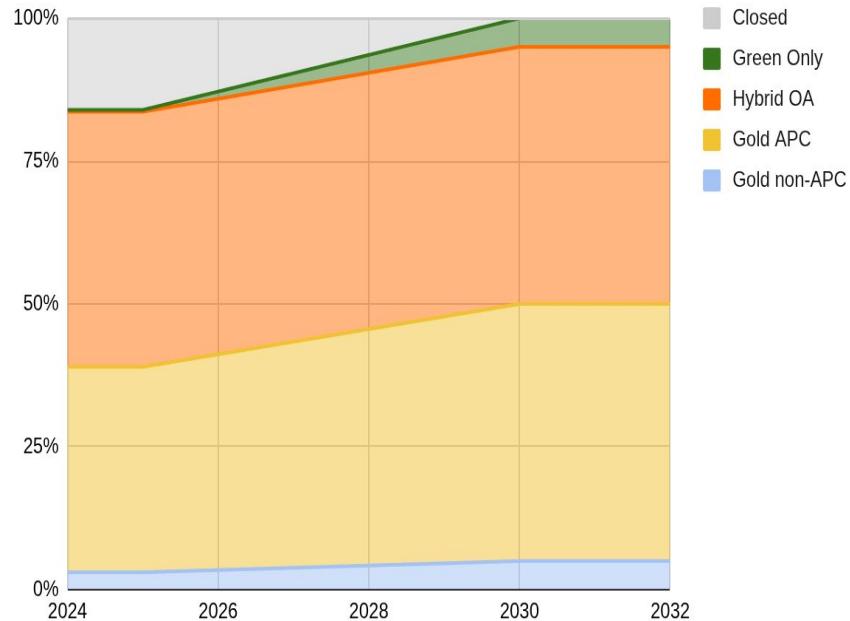
Då flertalet avtal innehåller att publiceringen är förskottsbetalad har tidigare variabler för pris inom Bibsamkonsortiet tagits bort. Publiceringsavgifter (APC) till listriss redoviseras med utgångspunkt i om uppgifterna finns tillgängliga från förlagen.

### csv-fil

Filen är standardiserad, till exempel med UTF8-kodning och datumformat. Saknad data, dvs. då förlaget inte levererar uppgifterna, är uppmärkt med NA (Not Available). Filen tillgängliggörs i zip-format.

# FORWARD MODELLING

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# CONCLUSIONS FROM MODELLING

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1. Inflationary pressures lead to a substantial rise in overall costs, even though the additional agreement coverage to reach ~100% OA is relatively modest
2. Use of repositories to fill the gap would require significant further investment and development in capacity, based on the visible “repository only” usage currently
3. Constraining costs is only achievable by a mix of strategies including a reduction in overall volume growth and a move away from volume based pricing model
4. Modelling is possible with high quality data on publication and spending, but comparisons with other European countries are limited because similar high quality data is not available in the public domain

# CONCLUSIONS

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1. Open data sources can outperform closed data sources for many use cases, particularly where local validation information is available and reusable
2. The benefits of open research information gain from broader networks. The more collective contribution, the more collective benefit
3. Swedish institutions are already doing a good job. There are opportunities to benefit from leading others and from expanding this good work to a wider range of research information sources and systems

# THE BIG PICTURE

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1. The challenges before us are ones relating to information. Its reliability, trustworthiness, provenance and usability
2. Universities are central in providing society with capacities to engage with information. The library is a critical actor in supporting and delivering on that mission
3. We are individually too small to take on mis/disinformation and slop or to solve the challenges of delivering high quality information for decision making. Collectively we can deliver a trustworthy information environment for the good of all





# Barcelona Declaration

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Full commitments

# Barcelona Declaration - Commitment 1

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As organizations that carry out, fund, and evaluate research, we commit to the following:

1

We will make openness the default for the research information we use and produce

- Openness will be the norm for the research information we use, for instance to assess researchers and institutions, to support strategic decision making, and to find relevant research outputs.
- Openness will be the norm for the research information we produce, for instance information about our activities and outputs, with an exception for information for which openness would be inappropriate ('as open as possible, as closed as necessary').



# Barcelona Declaration - Commitment 2

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## 2

We will work with services and systems that support and enable open research information

- For publishing services and platforms, we will require that research information generated in publication processes (e.g., metadata of research articles and other outputs) be made openly available through open scholarly infrastructures, using standard protocols and identifiers where available.
- For systems and platforms for the internal management of research information (e.g., current research information systems), we will require that all relevant research information can be exported and made open, using standard protocols and identifiers where available.



# Barcelona Declaration - Commitment 3

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3

We will support the sustainability of infrastructures for open research information

- We take responsibility for supporting infrastructures for open research information, for instance by participating in community building and community governance and by providing fair and equitable contributions to the financial stability and development of these infrastructures.
- We expect the infrastructures that we support to implement good practices for community governance and sustainability (e.g., Principles of Open Scholarly Infrastructure).



# Barcelona Declaration - Commitment 4

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## 4

We will support collective action to accelerate the transition to openness of research information

- We recognize the importance of sharing experiences and coordinating action to promote a system-wide transition from closed to open research information.
- To facilitate this, we support establishing a Coalition for Open Research Information and strengthening collaboration with other related initiatives and organizations.

