

ÖPPEN FORSKNINGSINFORMATION

**FÖR STARKA UNIVERSITET, TRANSPARENT
UPPFÖLJNING OCH FÖRBÄTTRAT SAMARBETE**

OPEN RESEARCH INFORMATION

**STRENGTHENING UNIVERSITIES THROUGH
TRANSPARENCY AND COLLECTIVE ACTION**

THE BIG PICTURE

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

Researcher &
student support

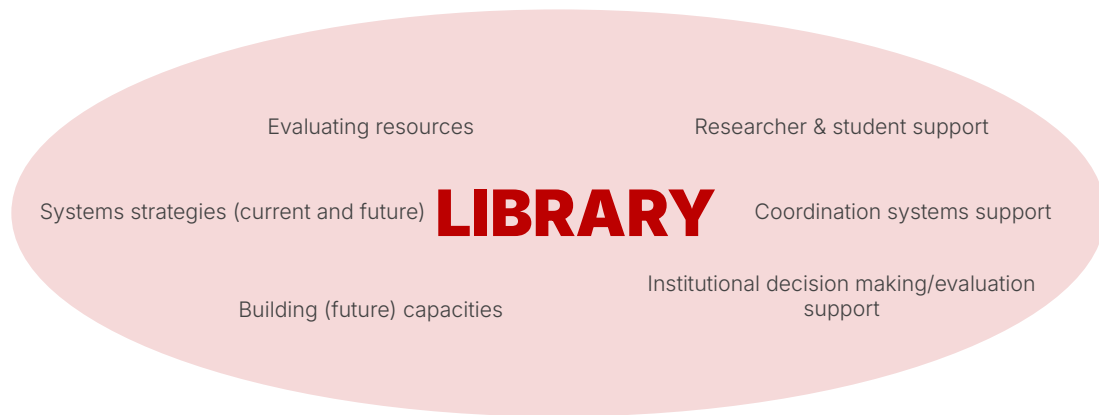
Systems strategies
(current and future)

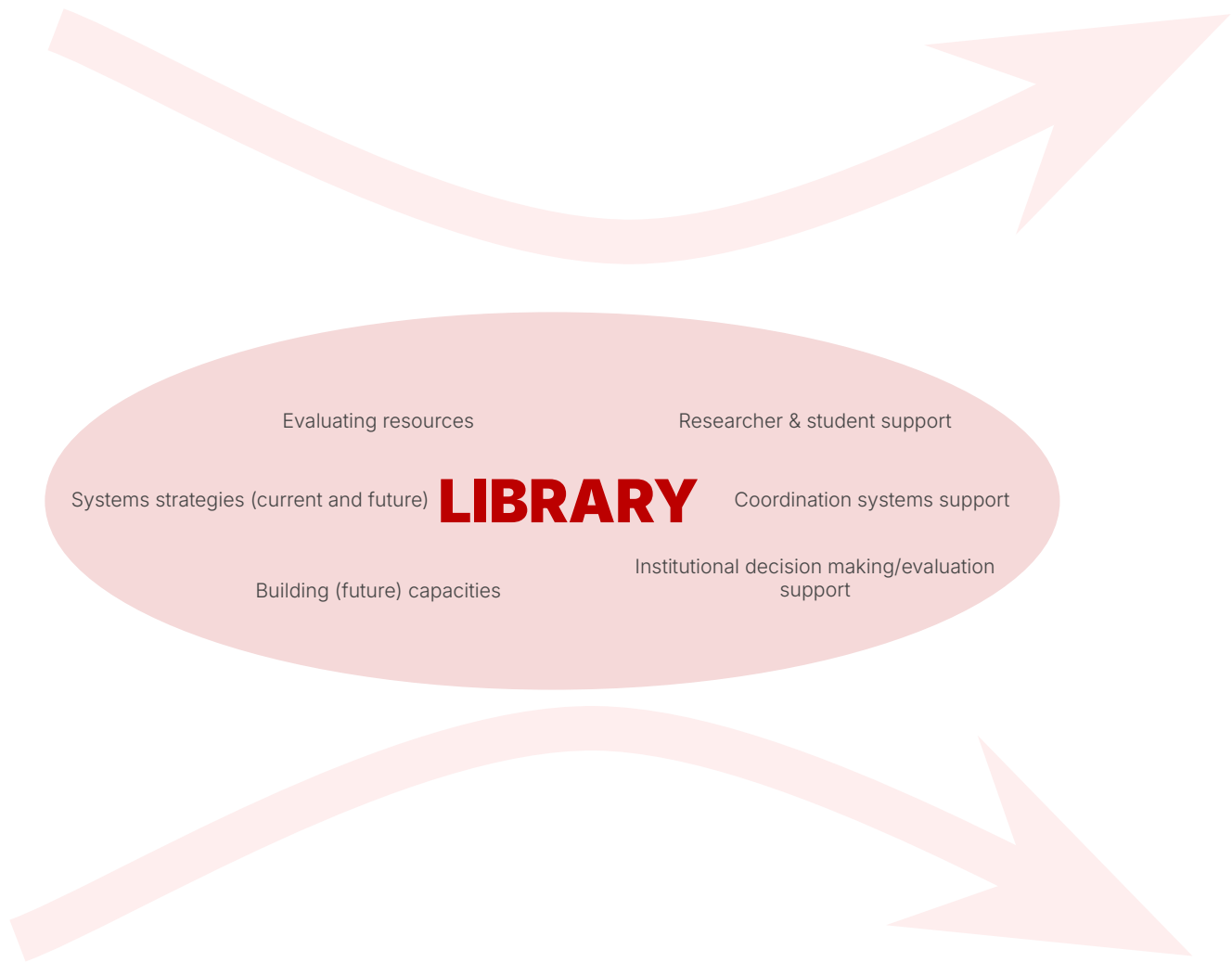
LIBRARY

Coordination
systems support

Building (future)
capacities

Institutional decision
making/evaluation
support





RESEARCHERS

STUDENTS

Evaluating resources

Researcher & student support

Systems strategies (current and future)

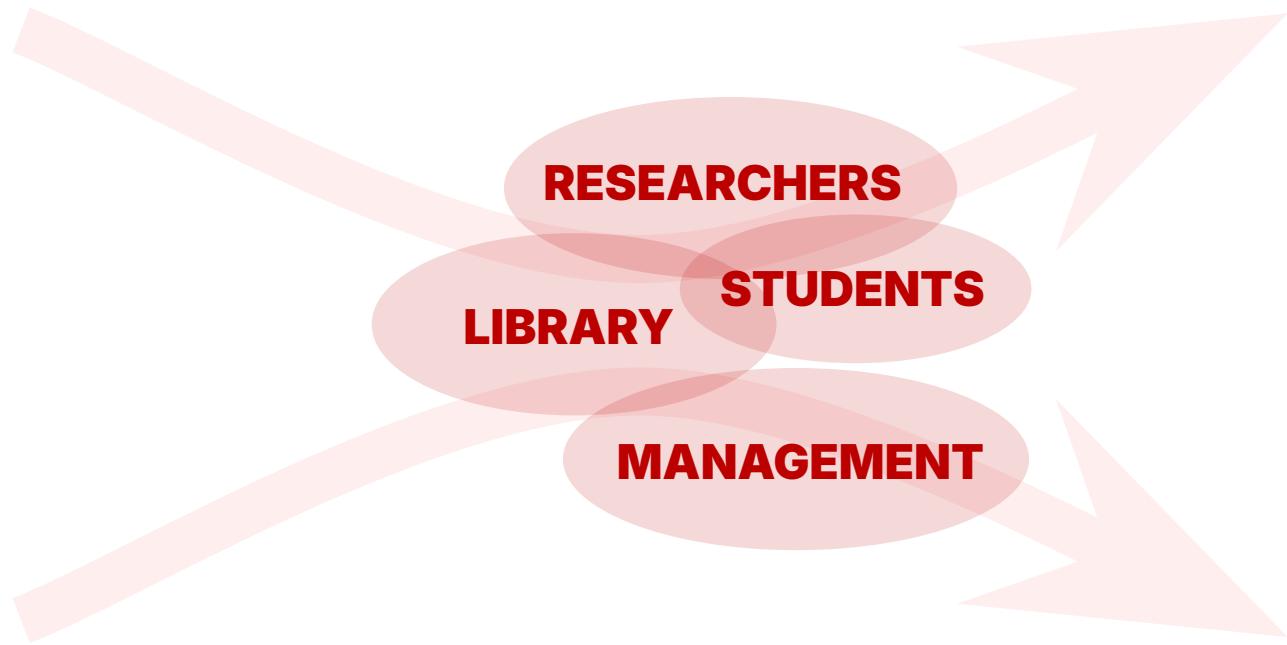
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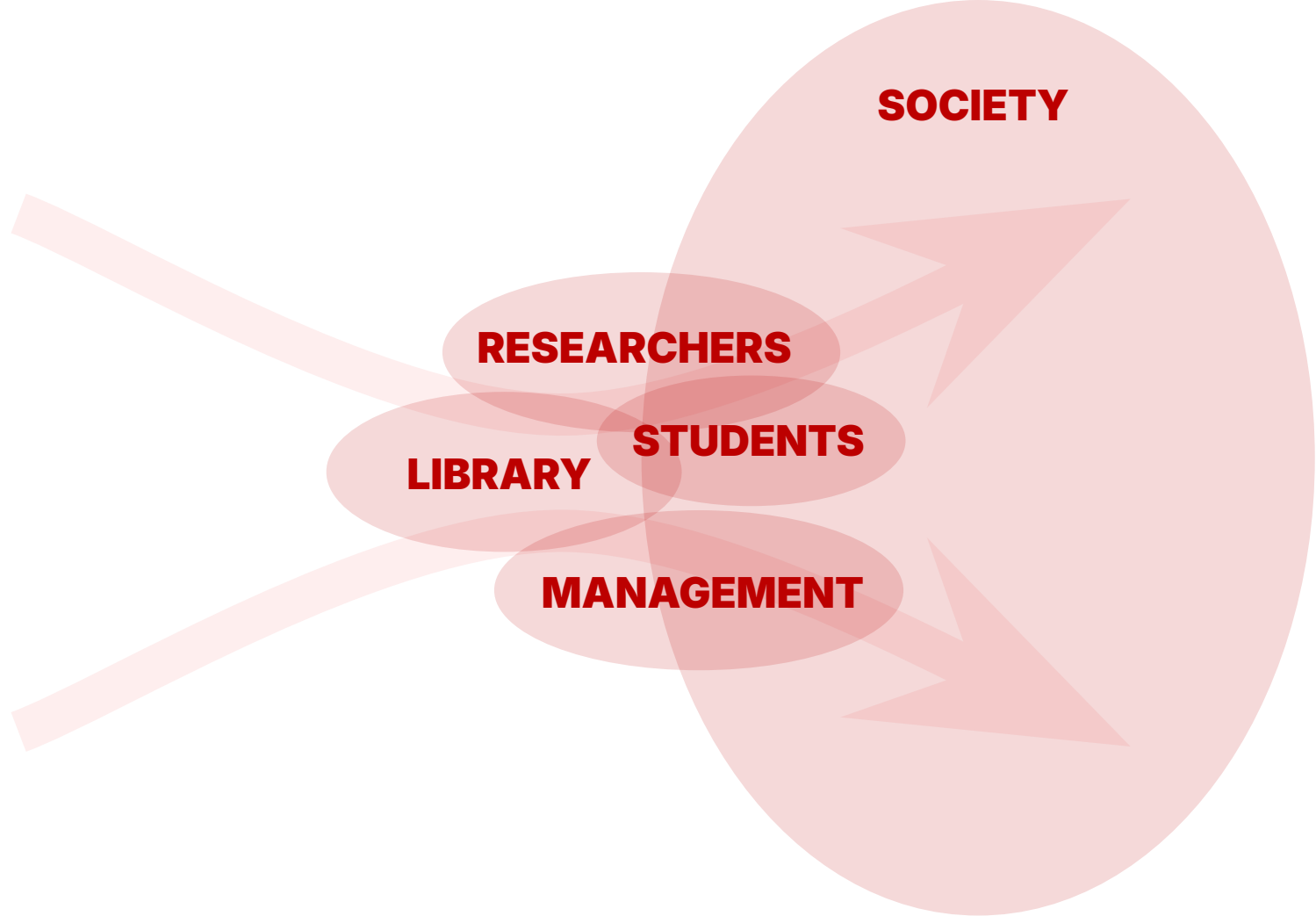
Coordination systems support

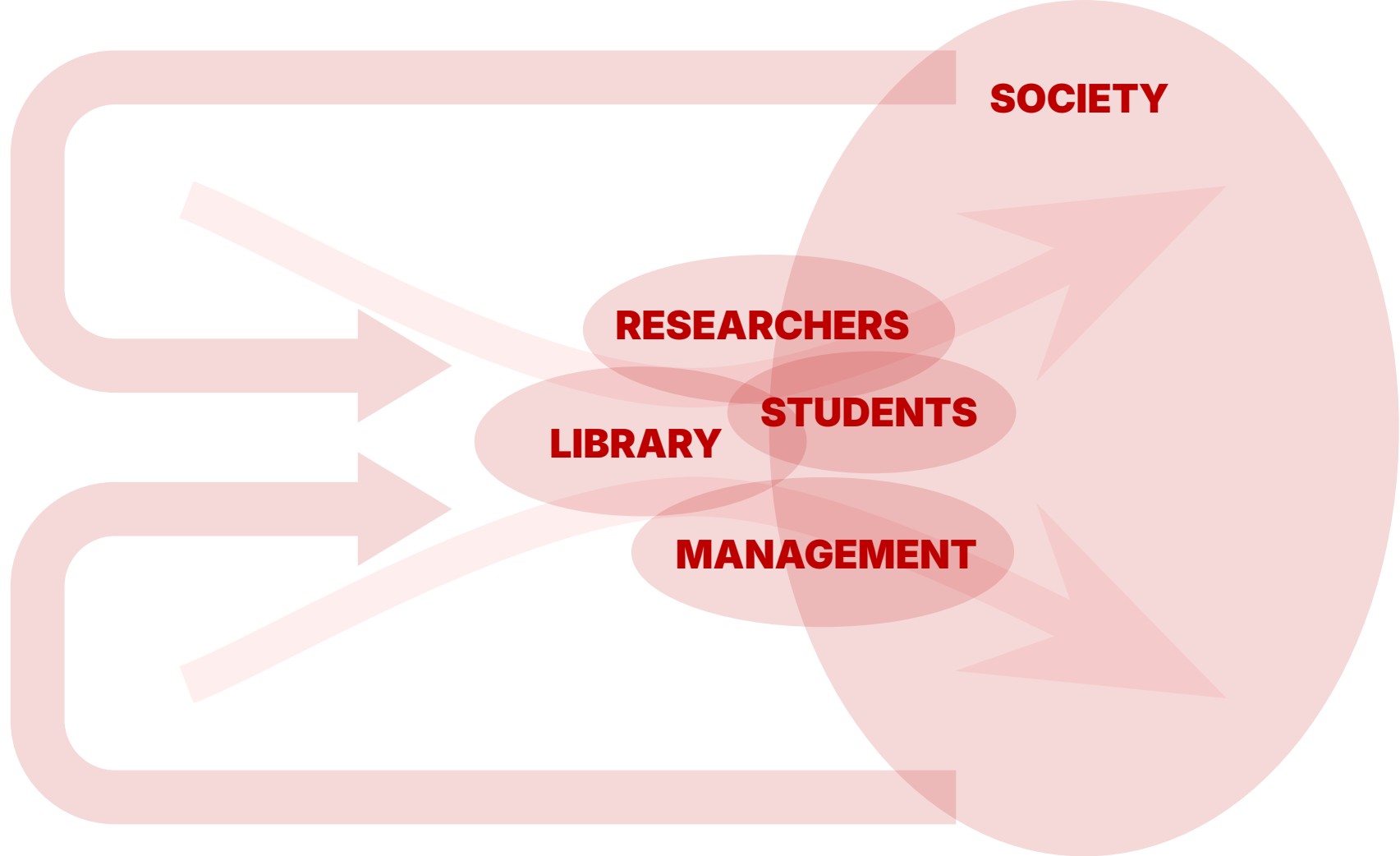
Building (future) capacities

Institutional decision making/evaluation
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MANAGEMENT







Evaluating
resources

Researcher &
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Systems strategies
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THREE KEY POINTS

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

barcelona-declaration.org

Image adapted from Barcelona Cases Rocamora by Ludvig14, CC-BY-SA 3.0

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 —>



fair assessment requires full transparency

— but —>

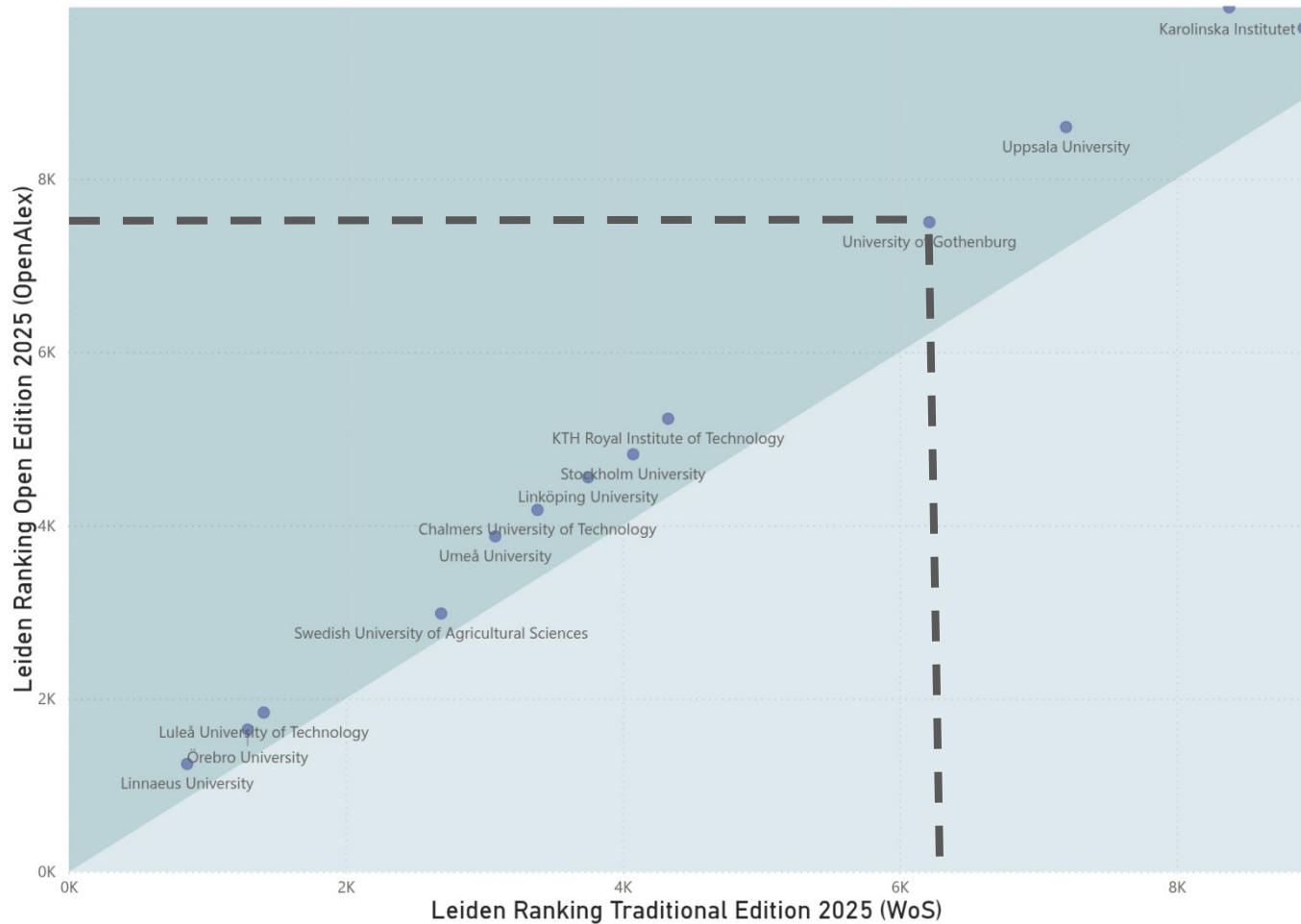


equitable decision-making requires inclusive data

— but —>



open science requires open research information



Period

2020-2023

Field

All sciences

Country

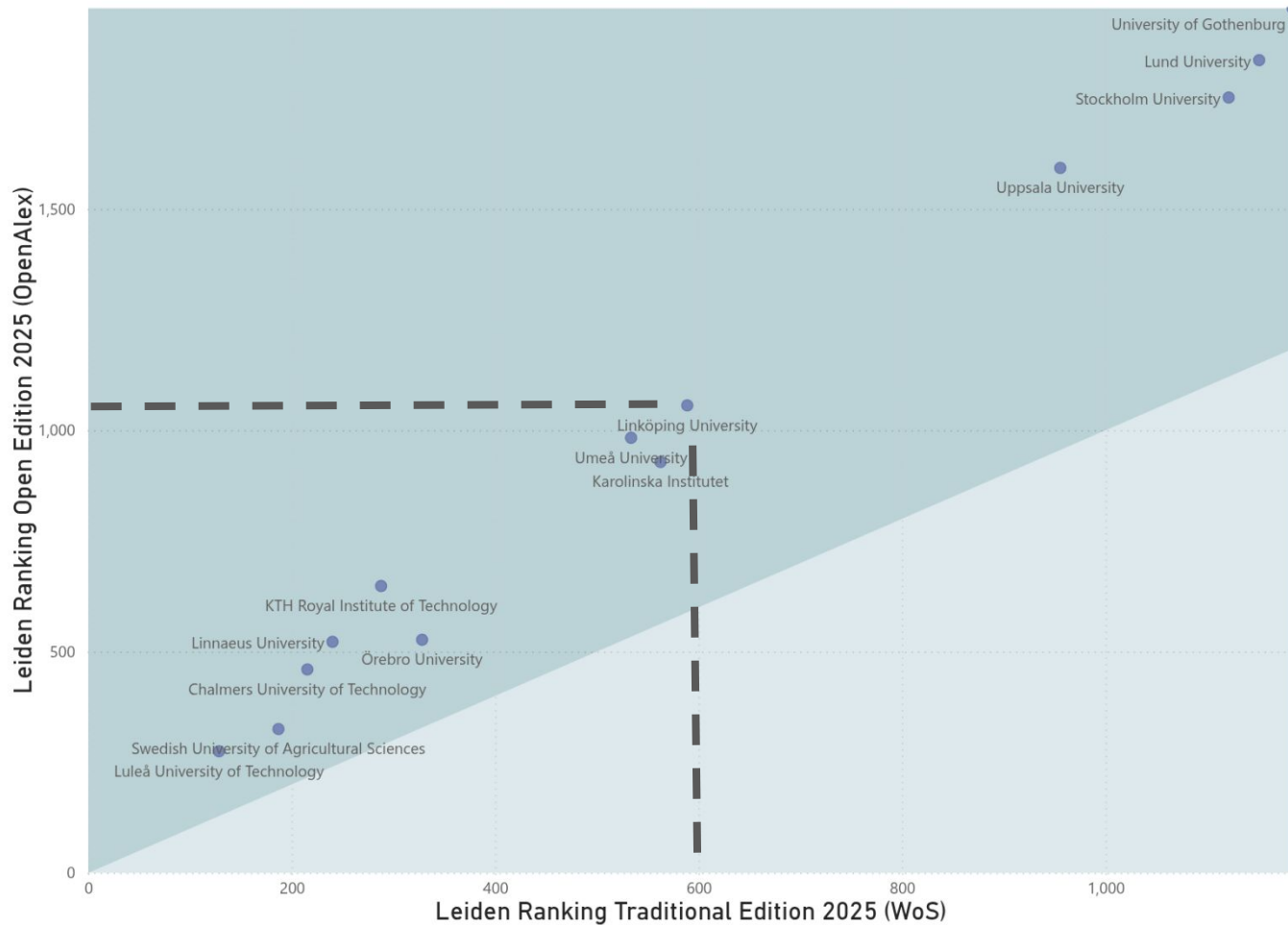
Sweden

Counting method

Fractional counting

Indicator

P



Period

2020-2023

Field

Social sciences and humanit...

Country

Sweden

Counting method

Fractional counting

Indicator

P

Commitments

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 OPEN RESEARCH INFORMATION



Commitment 3

We will support the sustainability of infrastructures for open research information

BARCELONA DECLARATION ON OPEN RESEARCH INFORMATION

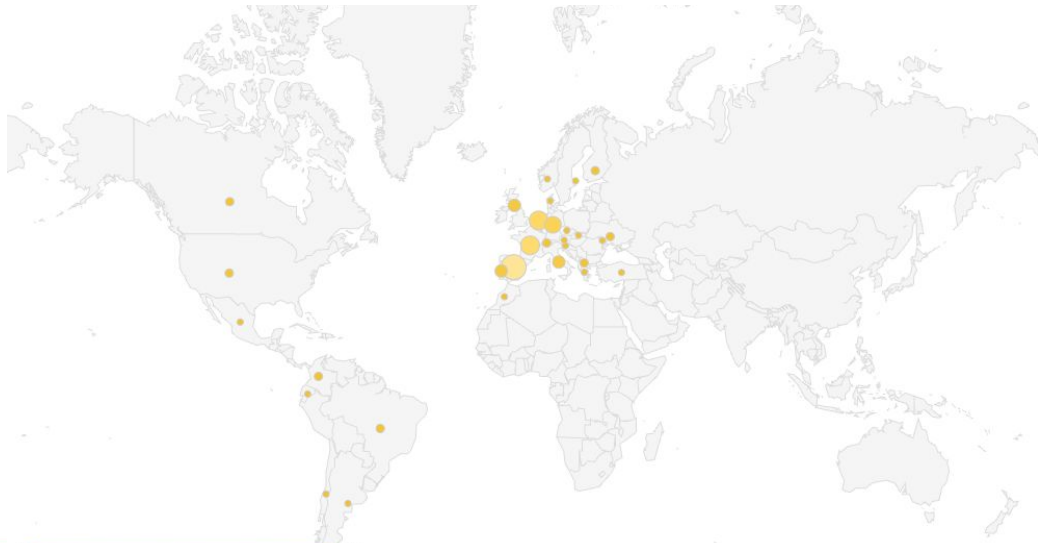


Commitment 4

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

Signatories and supporters

- 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

- 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

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

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Researcher &
student support

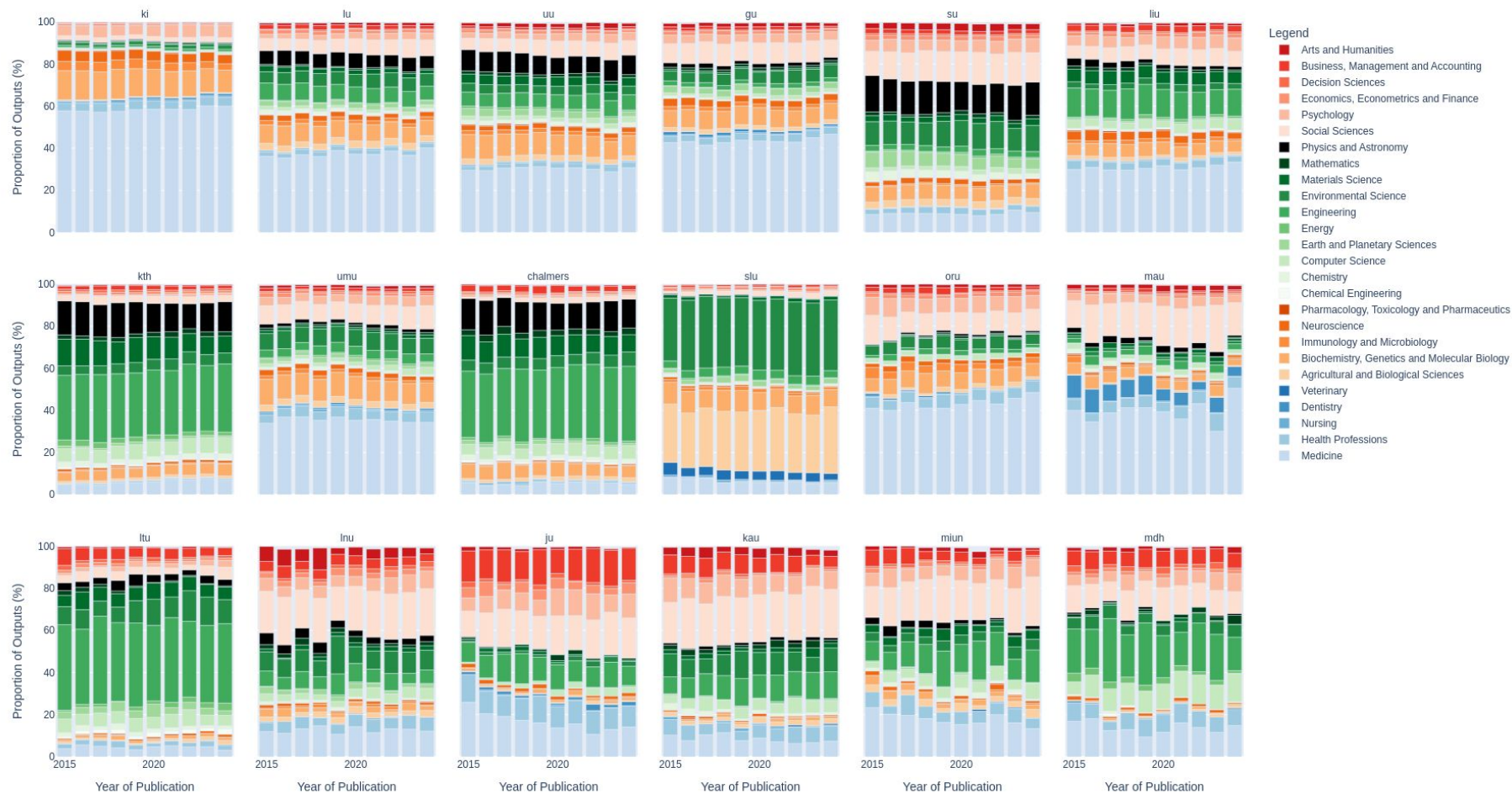
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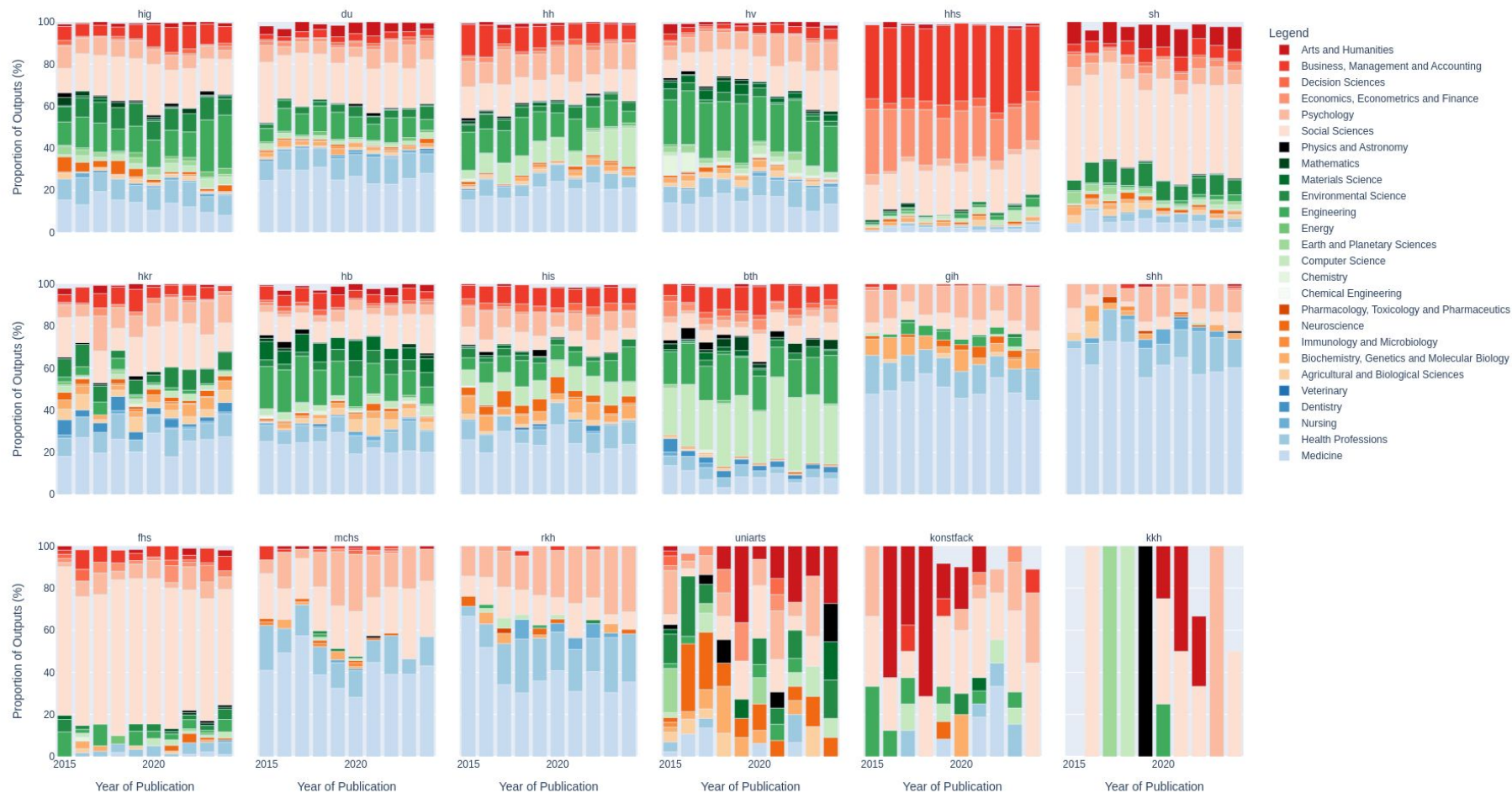
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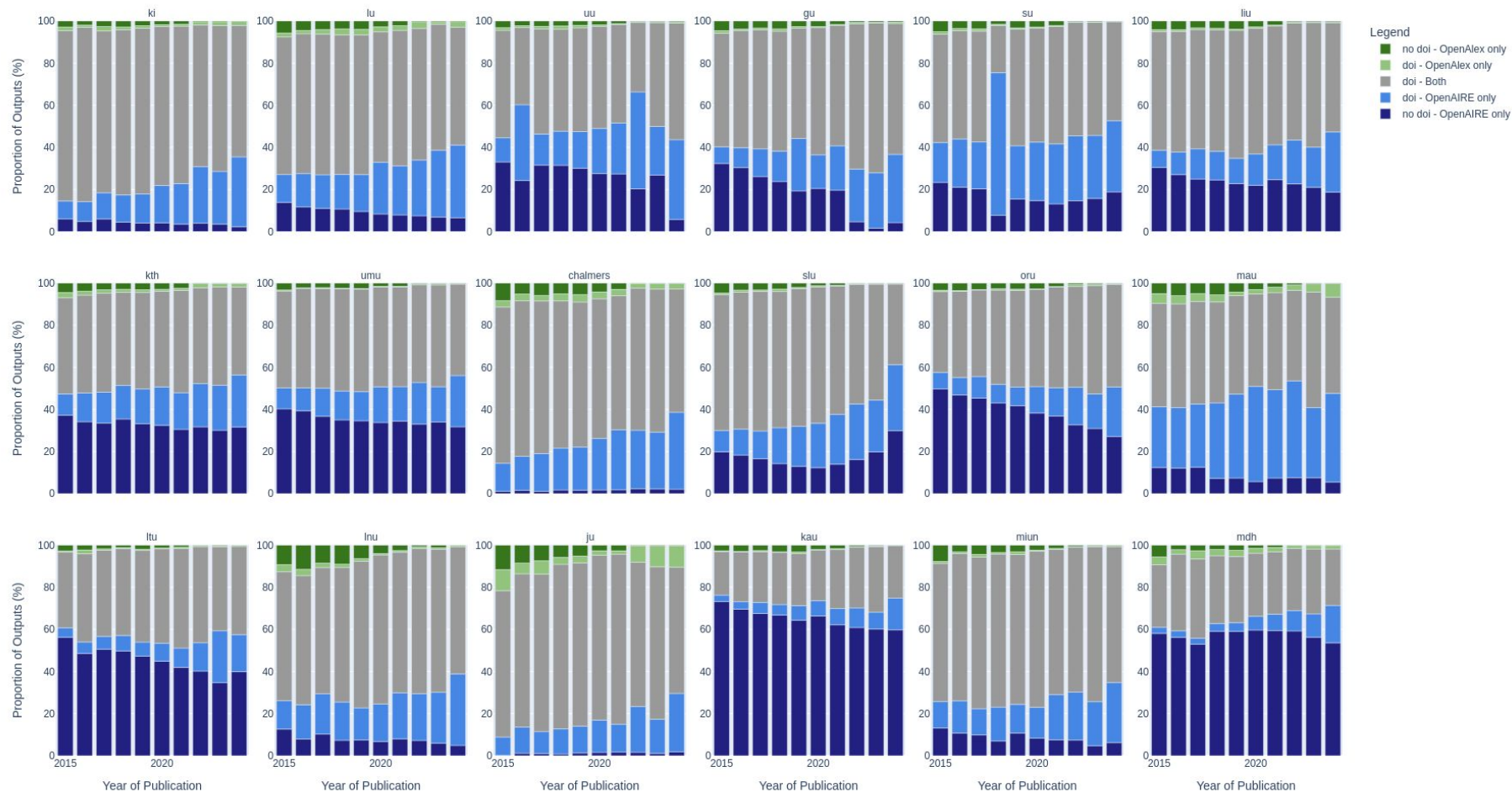
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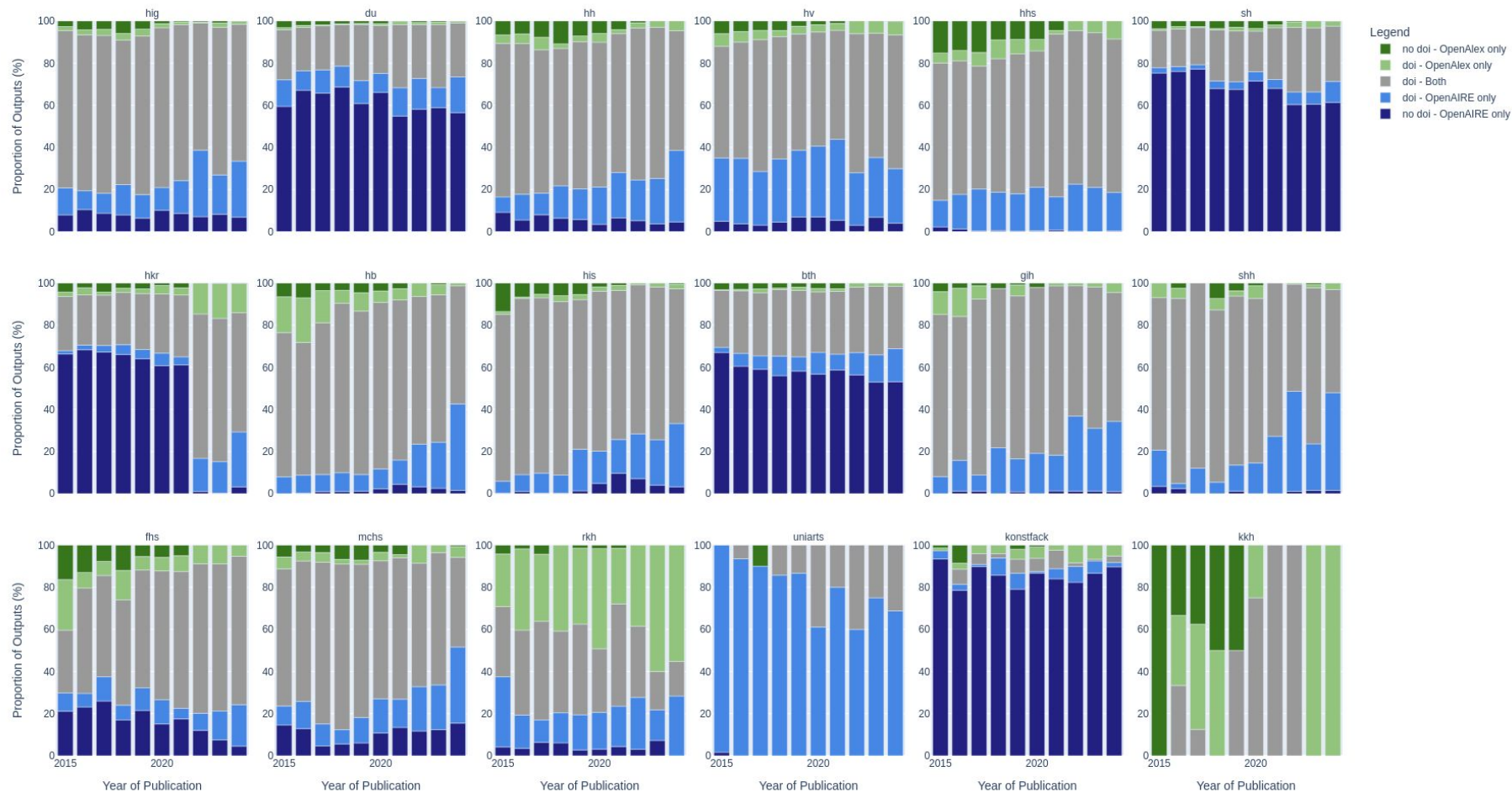
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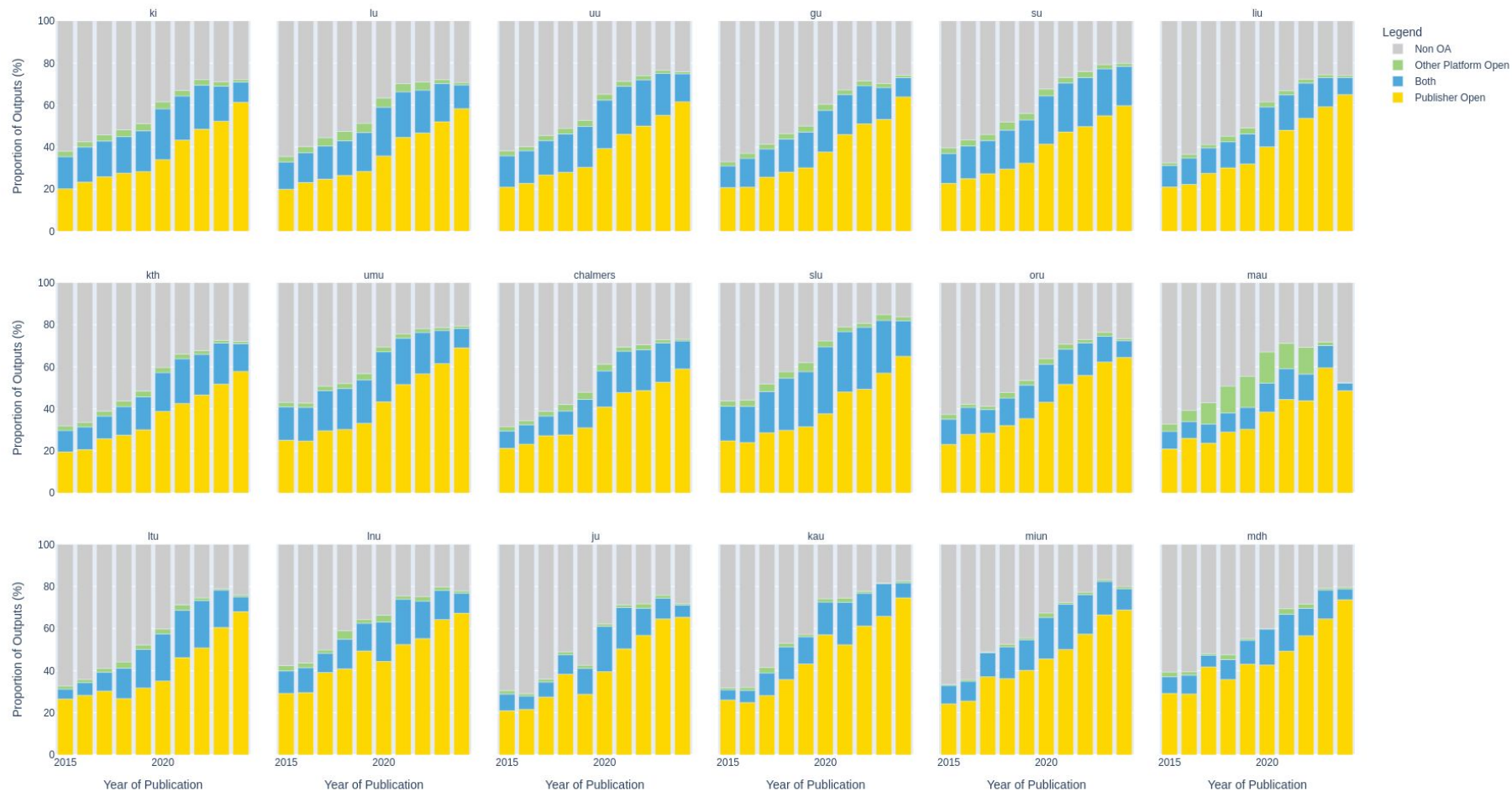
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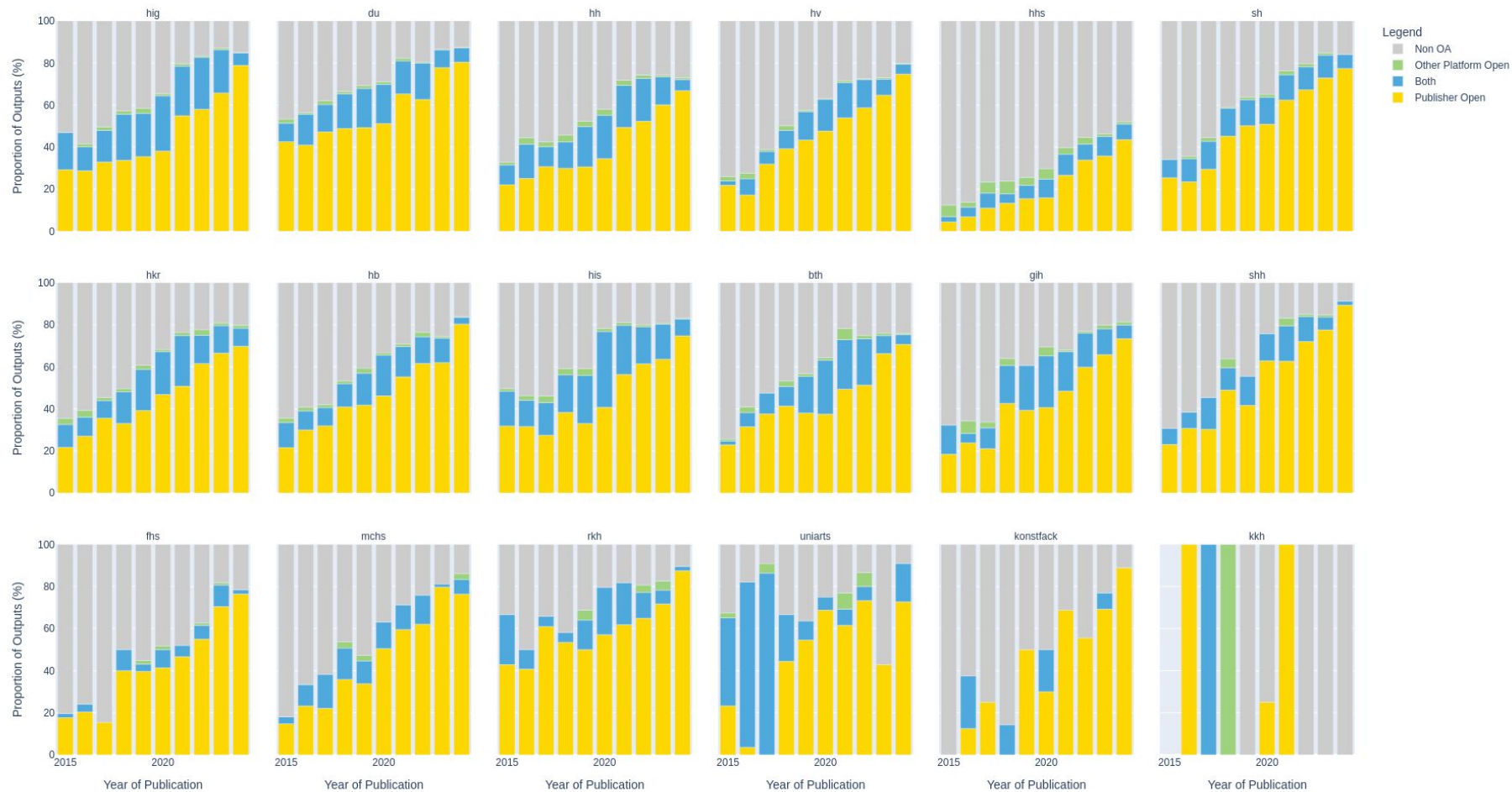


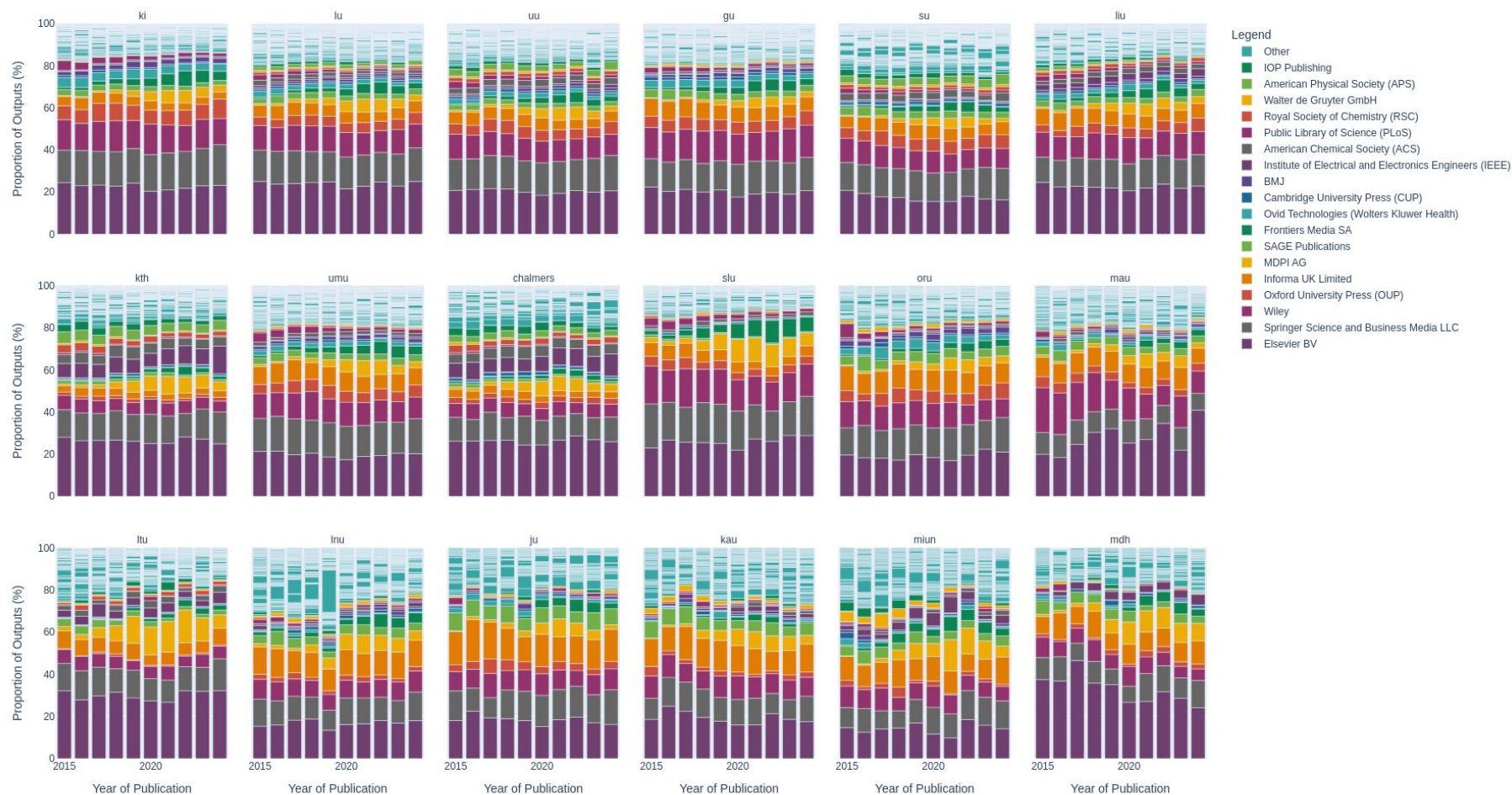


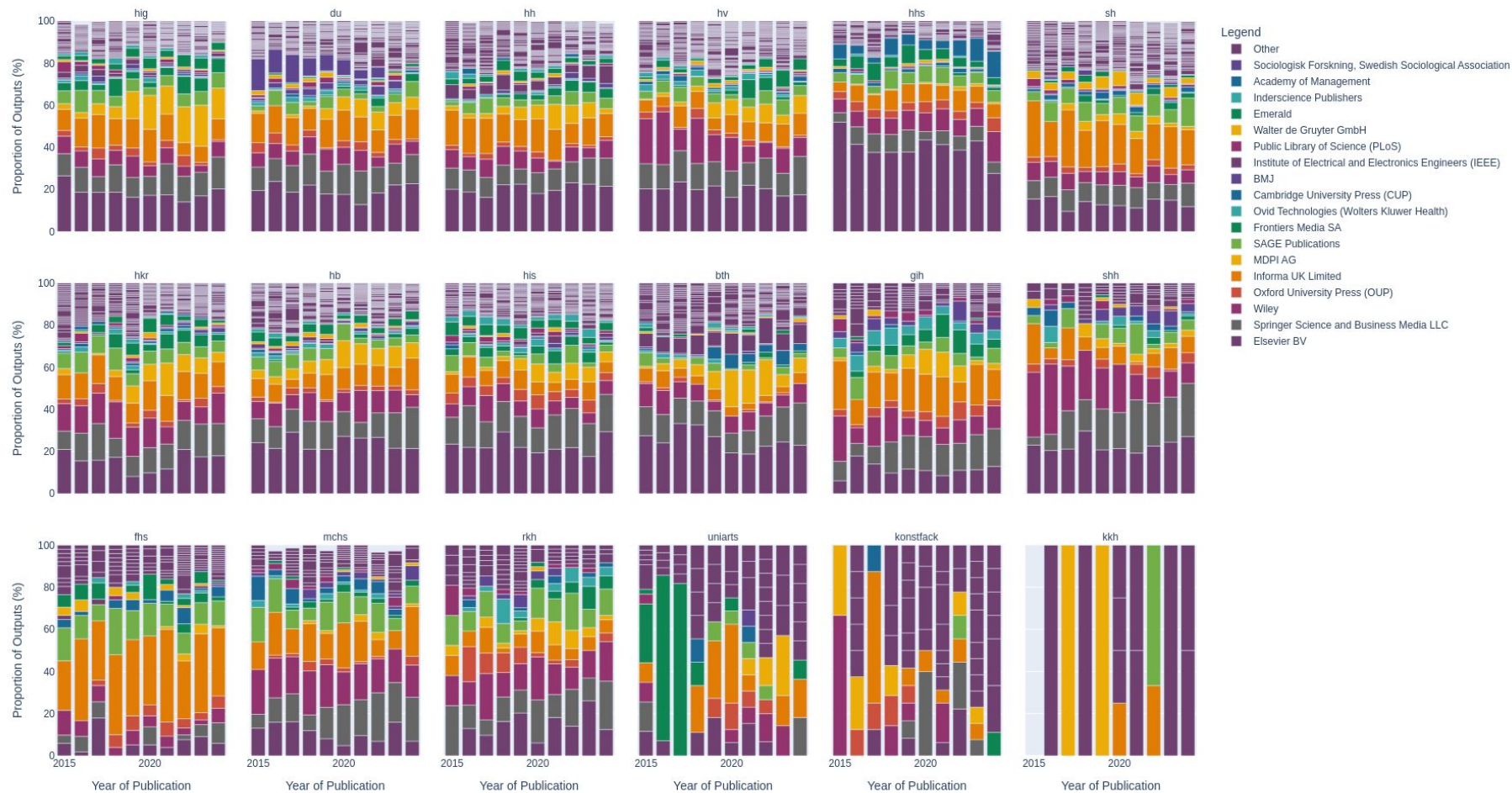




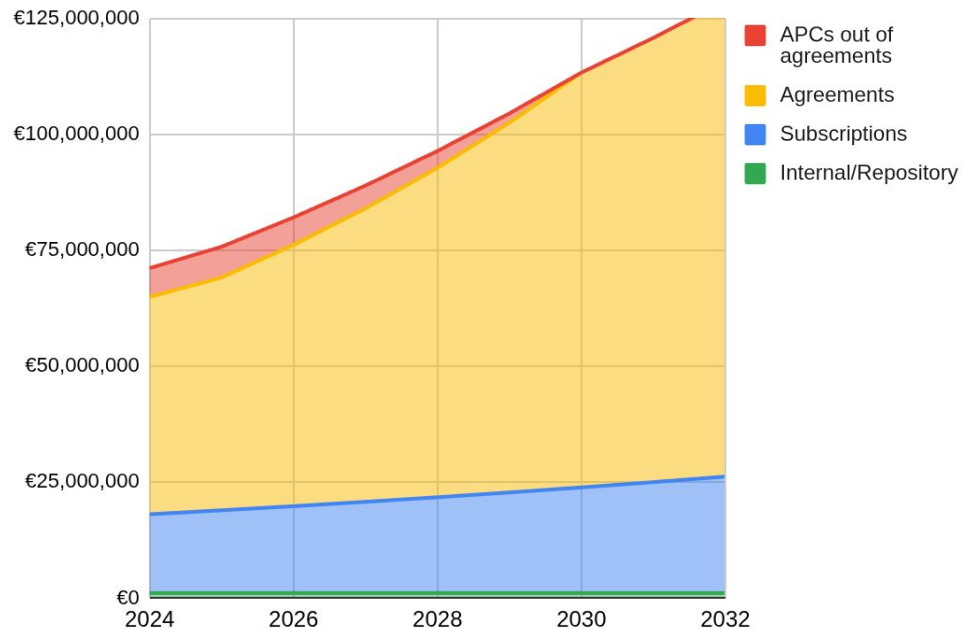
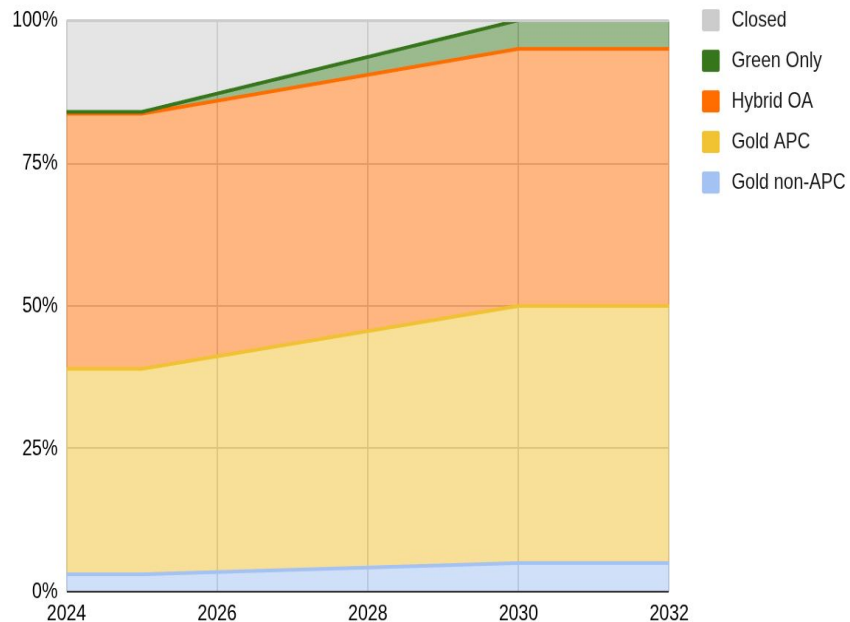








FORWARD MODELLING



CONCLUSIONS FROM MODELLING

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

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

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

Full commitments

Barcelona Declaration - Commitment 1

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').

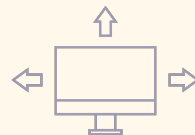


Barcelona Declaration - Commitment 2

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.

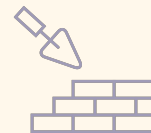


Barcelona Declaration - Commitment 3

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

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.

