

# Sustaining the future of key open research infrastructure services

Webinar, 20 April 2021





# Global Sustainability Coalition for Open Science Services

<https://scoss.org> @scossfunding

**Challenge:** OA & OS infrastructure has grown in number and usage and may no longer be sustainable providing no pathway forward for continuation and further development.

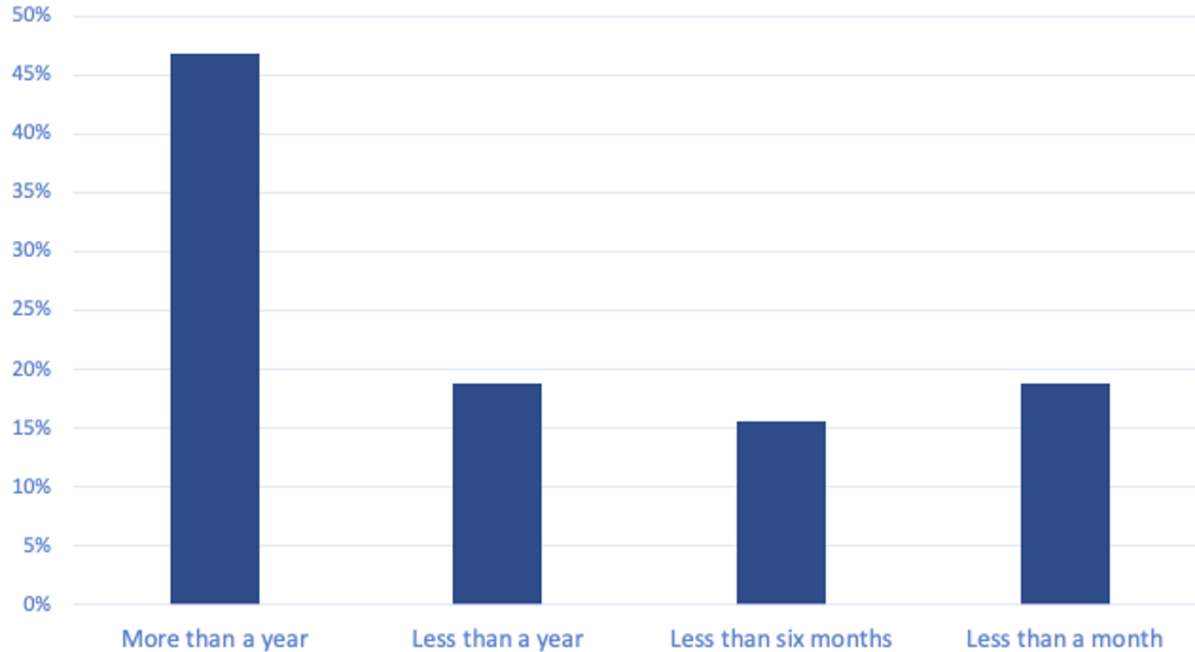
Funding for operations neglected  
We want an equitable and inclusive research culture

**Risk:** Services risk stagnation, downsizing or pay walling

**Aim:** Helping sustain the infrastructure to support the implementation of OS

Officially formed in early 2017, SCOSS's purpose is to provide a new co-ordinated cost-sharing framework that will ultimately enable the broader OA and OS community to support the non-commercial services on which it depends

# W/out grants, how long remain viable



Scoping the Open Science Infrastructure Landscape in Europe. Zenodo.  
<http://doi.org/10.5281/zenodo.4159838>, p48

# If we don't take concerted action ...

- **Less control** over infra we **helped create**; **waste**
- Our services may be **compromised**
- **Flexibility essential**: facing further lock-in
- We **lose touch** with **researchers** and with the **OS community**
- We **cannot comply** with policy / reach OA targets
- We lose our **capacity to influence**
- *It's more difficult to **shape our future***

# SCOSS Members



<https://scoss.org/what-is-scoss/who-is-behind-scoss>  
<https://scoss.org/what-is-scoss/governance>

# Who we are and what do we do

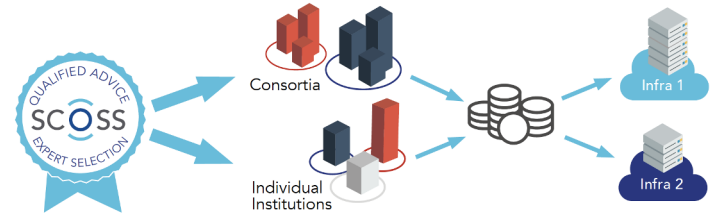
**Community-led and governed**

**A consolidated voice that vets OS not for profit infra before recommending it for funding to help infra on unstable footing**

- **Assess funding needs**
- **Alert funding needs** to the community
- Provide **more transparency on costs**
- **Increases efficiency** for investors
- **! Strongly encourage good governance !**

***Not a subscription or payment agency***

SCOSS endorses infrastructure for investment



# PLEDGES to date

**Total pledged: 2 929 275 euros**

By 271 institutions

From 19 countries

6 infrastructures so far



# Current funding cycle



<https://doabooks.org>

&



<https://open.org>

**82%** of target reached  
Pledged to date € 415 225  
Remaining target € 89 775



<https://opencitations.net/>

**23%** of target reached  
Pledged to date € 353 800  
Remaining target € 1 176 398



<https://pkp.sfu.ca/>

**27%** of target reached  
Pledged to date € 195 925  
Remaining target € 538 772

<https://scoss.org/how-it-works/current-funding-calls>



# Interview with Peter Suber on the importance of Open Infrastructure

<https://youtu.be/GwSoFKFCjic>



**The more the libraries appreciate the connection between the content and the infrastructure, the more they might be willing to pay for, support, or subsidize the infrastructure as well.**

**Peter Suber**

SPARC Europe  
and SCOSS  
Interview  
14 April 2021

# Strategy

- Analysis of SCOSS: historical results, status update
- Gathering feedback on perceptions of SCOSS, its effectiveness, and asking how one might fund OSI going forward  
analysis of the community-funding landscape, demand for SCOSS, etc
- Key activities
  - Stakeholder and market analysis
  - Short survey and focus groups
  - Strategic Plan
- Strategy due out in summer 2021



# More information

take things up with the infra directly

<https://scoss.org/help-sustain-open-infra/become-a-funder/>

(see next presentations)

or contact [info@scoss.org](mailto:info@scoss.org)

## scoss.org

we also have a newsletter:

<https://scoss.org/newsletter/>

SCOSS

news | autumn 2020

## SCOSS hits major milestone

DOAJ  
DIRECTORY OF  
OPEN ACCESS  
JOURNALS

The Directory of Open Access Journals, one of two Open infrastructure services recommended during our pilot funding cycle, has met its funding goal of 1,370 000 Euros. The drive kicked off in late 2017; over the course of the past three years, more than 216 institutions from 19 countries contributed to DOAJ.

*"This is such a great indication of the academic community's commitment to helping secure our Open infrastructure," said Vanessa Proudman, Director of SPARC Europe, a member of the SCOSS coalition. "All of us involved in SCOSS have learned so much during this process; we're eager to see other SCOSS-endorsed services absorb the lessons so other services are able to achieve greater stability."*



To that end, we posed DOAJ's Managing Director Lars Bjørnshaug a series of questions that other Open services, that like DOAJ intend to stay Open, should find valuable and revealing.

[See what he has to share.](#)

## KEY FIGURES

[As of October 20, 2020]

€2, 781, 525

TOTAL FUNDS  
PLEGGED

258

INSTITUTIONS  
PLEGGED

€2, 030, 200

FUNDS RAISED -  
PILOT CYCLE

19

COUNTRIES  
REPRESENTED

# OpenCitations

A scholarly infrastructure that provides open bibliographic and citation data worldwide

Silvio Peroni

Research Centre for Open Scholarly Metadata & Digital Humanities Advanced Research Centre (DHARC),  
Department of Classical Philology and Italian Studies, University of Bologna, Bologna, Italy

Director, [OpenCitations](#) – [@opencitations](mailto:@opencitations) – <http://opencitations.net>

[silvio.peroni@opencitations.net](mailto:silvio.peroni@opencitations.net) – [@essepuntato](https://essepuntato) – <https://essepuntato.it>



RESEARCH CENTRE  
FOR OPEN SCHOLARLY METADATA



DIPARTIMENTO DI FILOLOGIA CLASSICA E ITALIANISTICA



# OpenCitations: goals

OpenCitations has been established as a fully free and open infrastructure to provide access to global scholarly bibliographic and citation data, of quality and coverage to rival those from proprietary services, e.g. Clarivate Analytics' Web of Science (WoS) and Elsevier's Scopus

OpenCitations enables

- Fairness: it avoids institutions and independent scholars having to pay tens of thousands of dollars annually (that most of them cannot afford!) for commercial access to their own scholarly data
- Reuse: no license restrictions, since the data are provided under CC0, so users can republish and reuse for any purpose the citation data that OpenCitations provides
- Research assessment: by providing crucial data for national and international research evaluation exercises, OpenCitations makes such activities transparent and reproducible
- Governance: community involvement

# OpenCitations: information and data

OpenCitations (<http://opencitations.net>) is an independent infrastructure organization

- dedicated to open scholarship and the **publication of open bibliographic and citation data** by the use of Semantic Web technologies
- engaged in advocacy for **open citations** and **open bibliographic metadata**

It provides:

- a data model: the OpenCitations Data Model (based on the SPAR Ontologies)
- bibliographic and citation data (CC0): OpenCitations Corpus, COCI, CROCI
- software: in our GitHub repository, released with open source licenses
- online services: REST APIs, SPARQL endpoints, dumps and interfaces

# Using our data

We provide data containing more than 7 hundred million citations that the community can use for **any purpose**

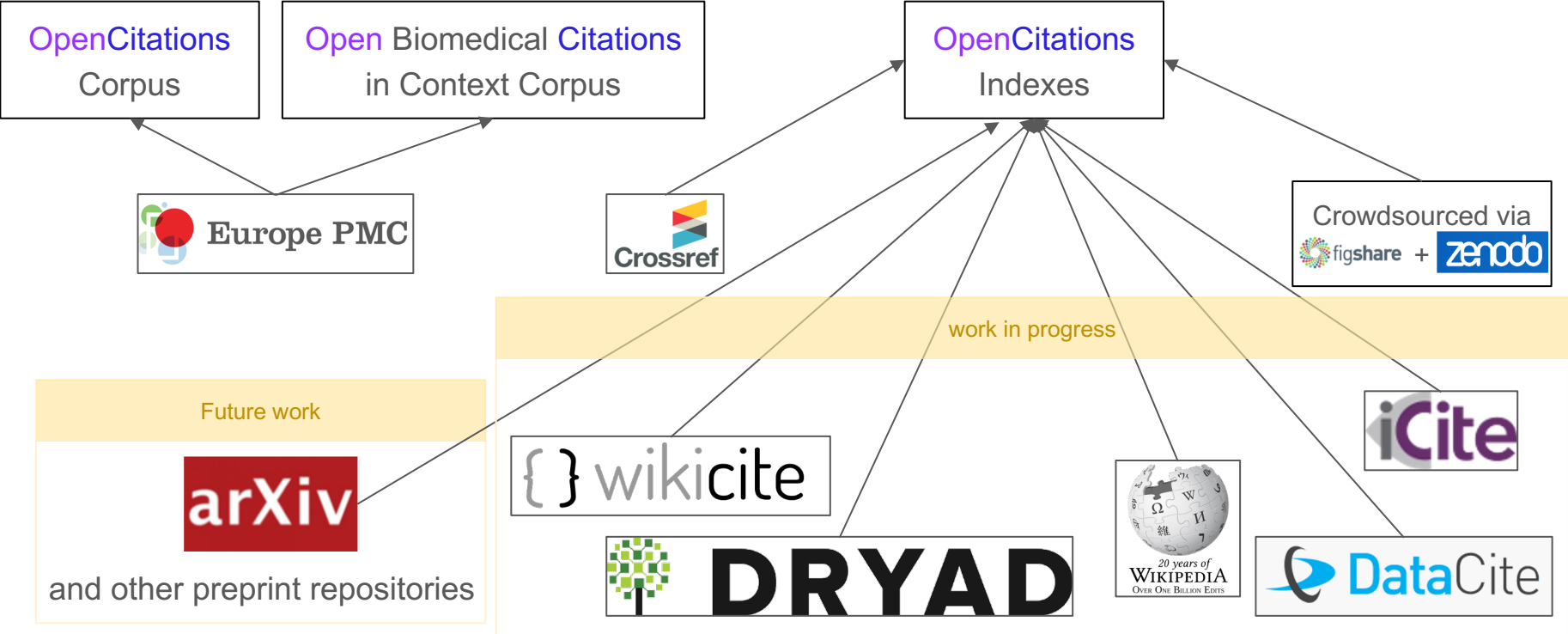
Such data can be crucial as a vehicle for use in national and international research evaluation exercises to make such activities more **transparent and reproducible** as compared to other proprietary services

As a librarian, you can use our citation data (e.g. via our REST API) to **enhance or develop tools** to support your authors, researchers, students, institutional administrators, for instance by providing **metrics to monitor research** at your institution and by **improving the discoverability of research products** such as publications and data





# Current and future sources of data



# Two ways to help

Ask your institution to **apply for membership** and thus support us financially

- Supporting membership (€500 - €8,000 per year)  
Rights include: voting on the [OpenCitations](#) Council and to **elect candidates** to serve on the International Advisory Board for [OpenCitations](#)
- Development membership (€8,000 - €30,000 per year)  
Rights include: Supporting membership rights + one **free registration** for next edition of WOOC (hopefully held in Bologna next year) and **writing blog post** about your use of [OpenCitations](#) services and data on our blog
- Strategic membership (more than €30,000 per year)  
Rights include: Development membership rights + a **seat on** the International Advisory Board for [OpenCitations](#)

Otherwise, ask your institution to fund us via **a donation**

More info at <http://opencitations.net/membership>

# Involvement as a member

The [OpenCitations](#) Council comprises one delegate appointed by each member, elects new members of the International Advisory Board and to offers advice on

- the membership benefits and on the levels of contribution for each of the membership levels
- the long term strategy of [OpenCitations](#), including providing feedback on changes proposed by the Board
- the biannual reports of the activities of [OpenCitations](#) prepared by the Directors
- other matters at the request of the International Advisory Boards

The International Advisory Board for [OpenCitations](#) has the purpose to guide the future developments of [OpenCitations](#) in terms of its policies, strategies and activities, to build the [OpenCitations](#) collaborations, membership and support community, and to ensure its financial sustainability

# Thank you for your attention

## OpenCitations

A scholarly infrastructure that provides open bibliographic and citation data worldwide

### Silvio Peroni

Research Centre for Open Scholarly Metadata & Digital Humanities Advanced Research Centre (DHARC),  
Department of Classical Philology and Italian Studies, University of Bologna, Bologna, Italy

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# OAPEN Foundation

## Infrastructure services enabling open access to books

Niels Stern, director



## Mission of the OAPEN Foundation

- to increase the discoverability of open access books
- to build trust around open access books

OAPEN Foundation is a non-profit foundation based on community funding



## Three open source platforms enabling open access to books

Directory of Open Access Books – basic indexing service

OAPEN Library – premium services for libraries, publishers, and funders

OAPEN OA Books Toolkit – public information resource for authors

# Directory of Open Access Books (DOAB)

Launched in 2012

International hub for peer reviewed open access books

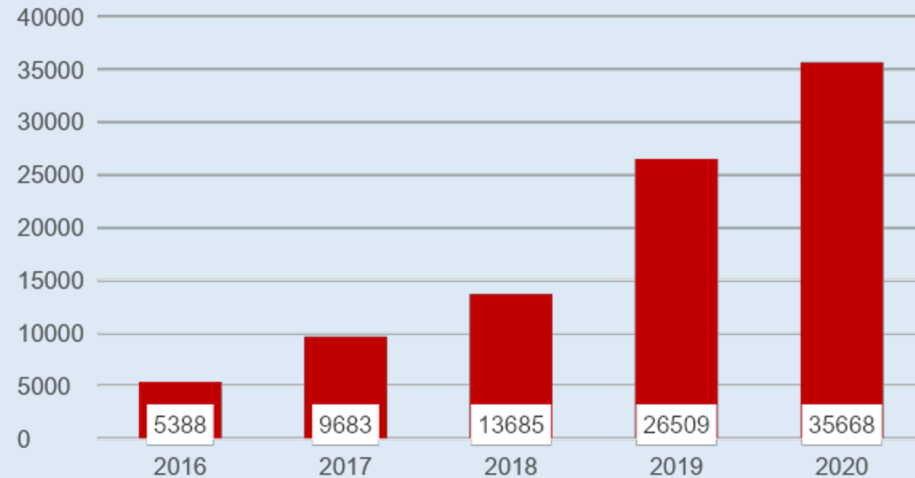
36,000+ OA books indexed

500+ OA book publishers

All metadata is freely available (CC0)

DSpace 6.0

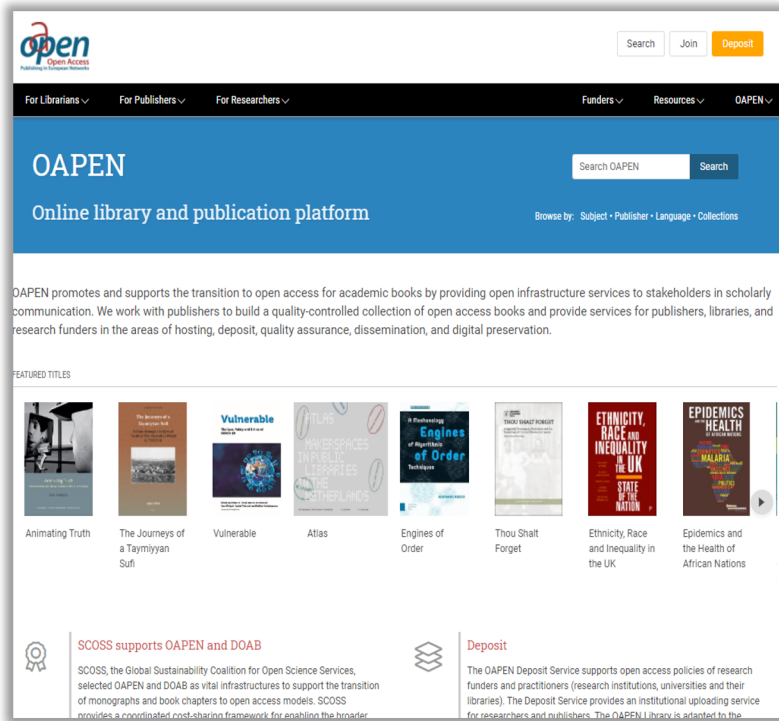
Titles in DOAB



Easy integration with library catalogues

- Metadata feeds in MARC21, MARCXML, CSV, RIS, ONIX XML
- OAI-PMH Harvesting
- REST API
- RSS and Atom feeds





## Easy integration with library catalogues

- Metadata feeds in MARC21, MARCXML, CSV, RIS, ONIX XML
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## OAPEN Library

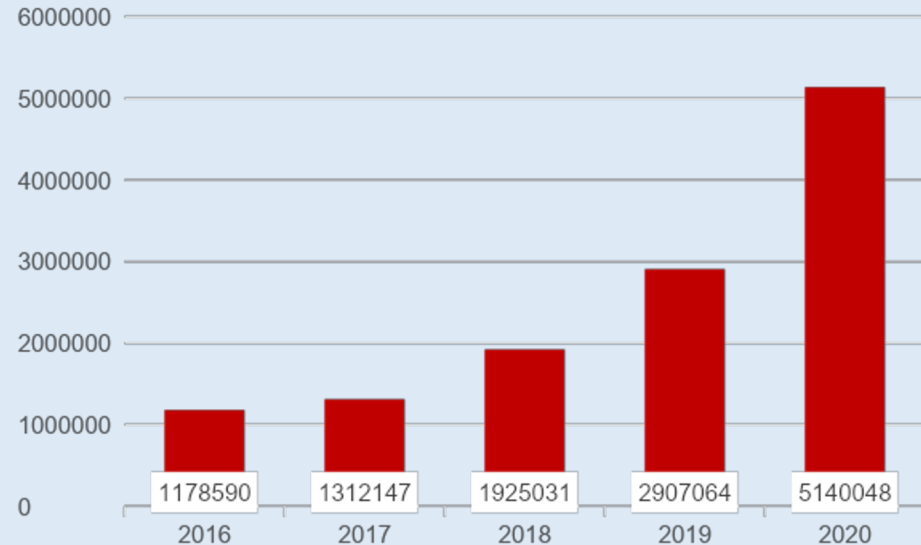
Launched in 2010

Repository of 15,000+ open access books

Hosting, distribution, and preservation

DSpace 6.0

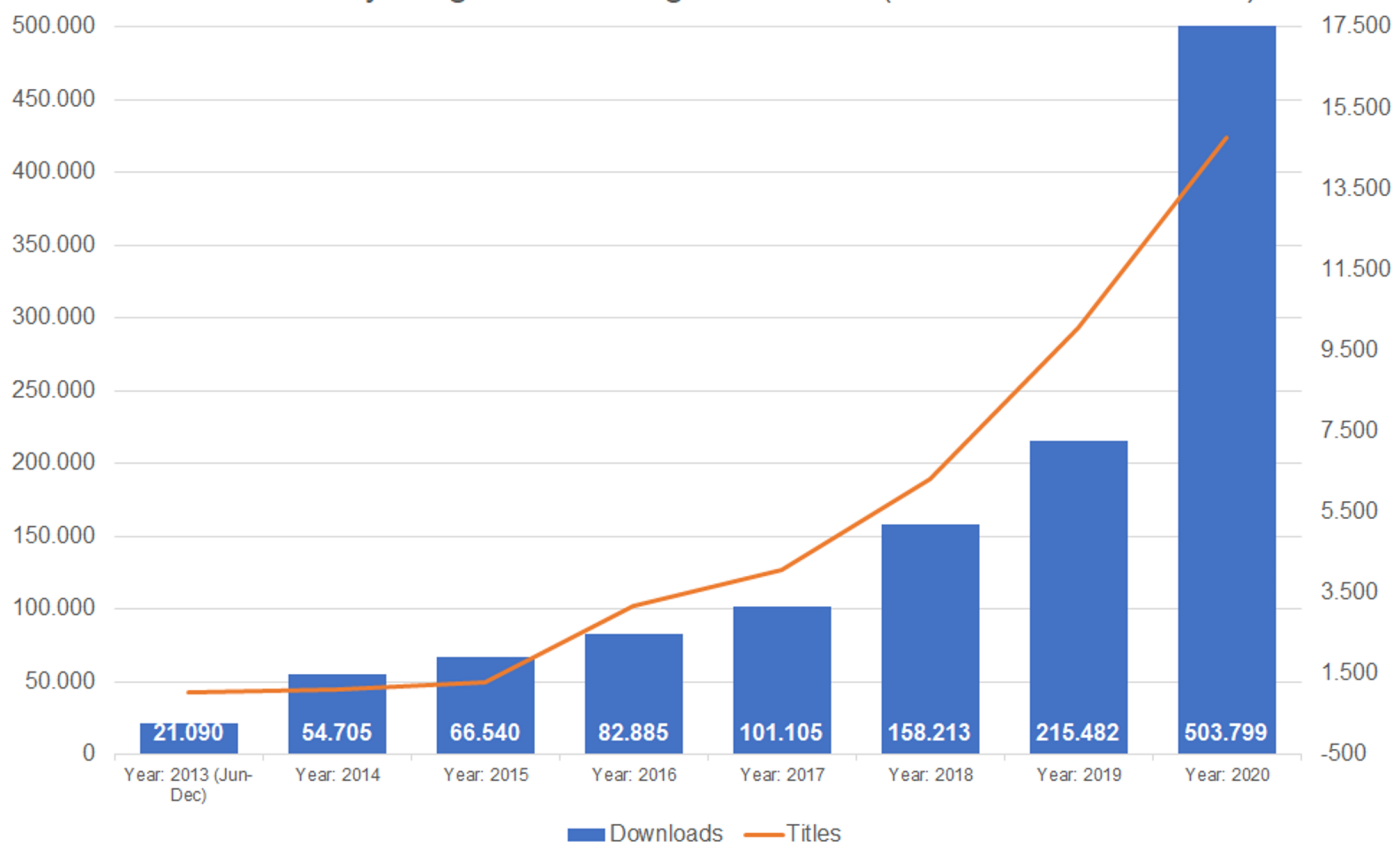
## OAPEN Library: Number of downloads



# United Kingdom, 2013 - 2020 usage (COUNTER) of the OAPEN Library



OAPEN Library usage: United Kingdom all time (COUNTER-conformant)



**1,203,819 total downloads**

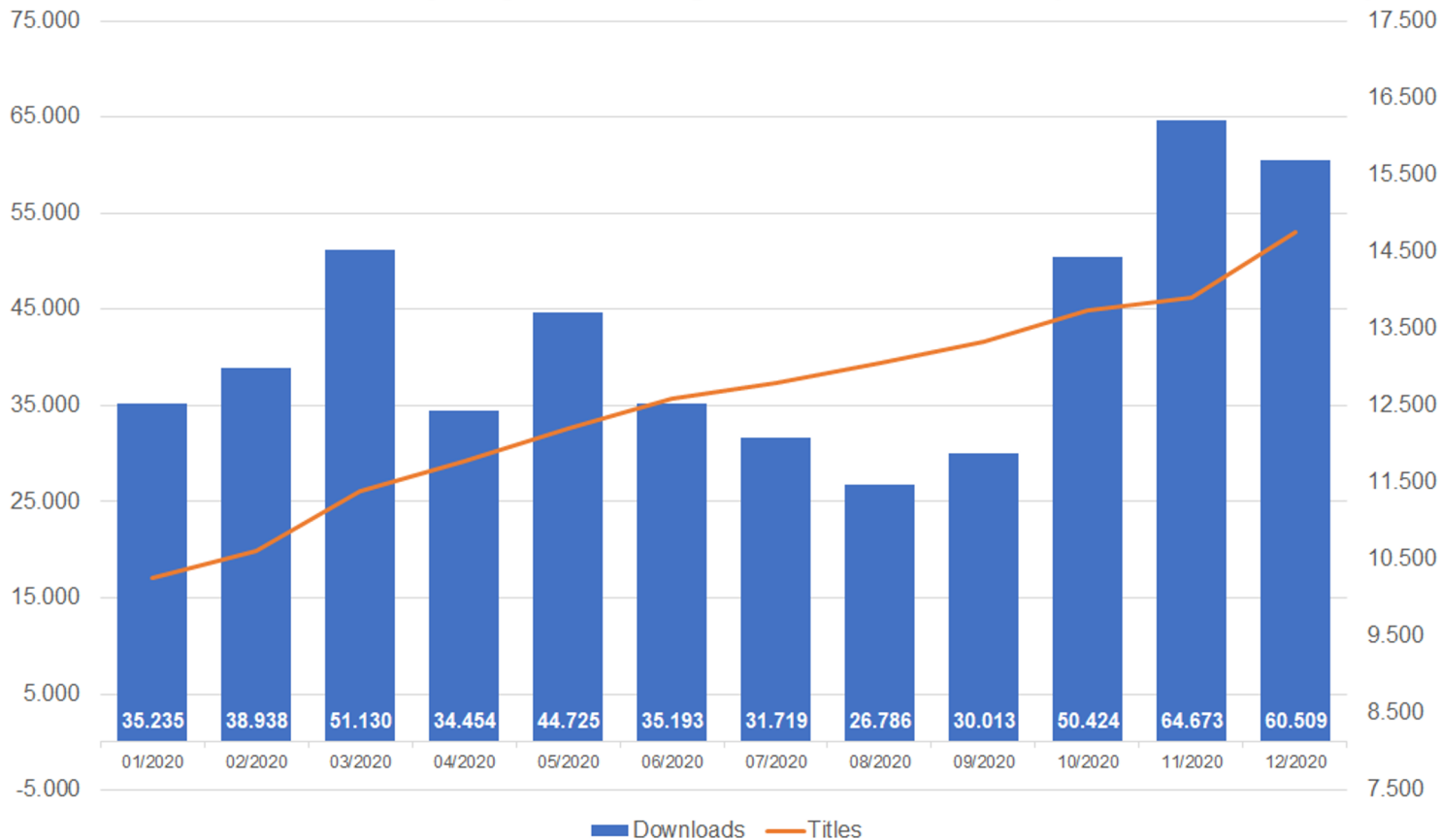
**12% of all OAPEN Library usage (10 million +)**

**Growth in titles and usage year on year**

# United Kingdom 2020, usage (COUNTER) of the OAPEN Library



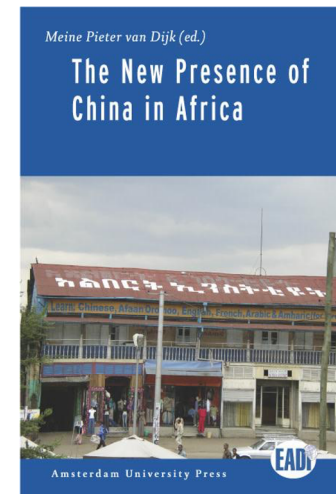
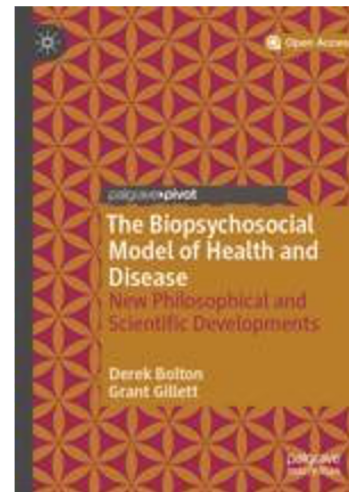
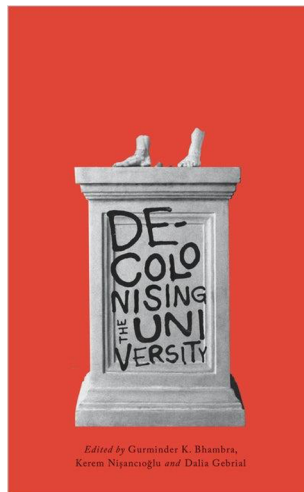
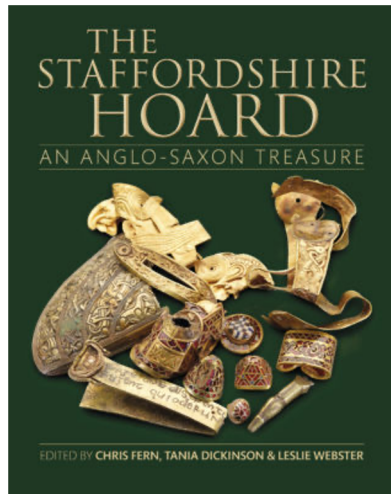
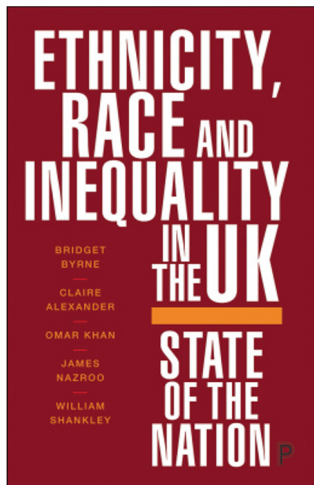
OAPEN Library usage: United Kingdom 2020-01 to 2021-01 (COUNTER-conformant)



**Breakdown of downloads in 2020: 503.799**

**50k+ monthly downloads for 2020 Q4**

## United Kingdom 2020 – Most used titles



- All top 5 titles downloaded over 1,000 times in the UK in 2020 alone
- 45+ UK publishers
- 15+ UK University Presses

## DOAB/OAPEN Membership

Organisation size	Annual contribution level
Large orgs <sup>1</sup> from high-income countries	EUR 4,000 / USD 4,850
Small orgs <sup>1</sup> from high-income countries	EUR 2,000 / USD 2,400
Orgs from low- and middle-income countries; small non-profits; orgs with smaller budgets	EUR 1,000 / USD 1,200

<sup>1</sup> Definition as to large/small follows local frameworks or may be at the discretion of the institution. Get in touch to find out more.

A 25% discount will be deducted from the individual contributions made by members of consortia of 10 or more participating organisations.

<https://doabooks.org/en/librarians/how-to-become-a-doab-supporter>

<https://www.oopen.org/librarians/15963583-support-oopen-libraries> or contact [info@oopen.org](mailto:info@oopen.org)

## Membership benefits

- **Waiving fees** for publishing entities (e.g. University Press) affiliated with the contributing institution.
- **Usage reports.** COUNTER-compliant usage reports including institutional (IP-based) and geolocation (regional) usage, shared on a regular basis.
- **Community involvement.** Contributors are invited to give input to the continued development of the OAPEN and DOAB services on a yearly basis.
- **Acknowledgment** of contributors on the OAPEN and DOAB websites & through our twitter accounts.
- **Metadata integration.** Contributors are entitled to customised feeds, integrating the metadata of OAPEN and DOAB collections of OA books in MARC21 or other formats. Also available through knowledge bases, such as Ex Libris Primo, OCLC WorldCat, EBSCO Discovery Service & GBV.

# Engagement & Communication

## Engagement

- Participation in the stakeholder committees
- Regular community events for libraries

## Communication

- Annual report
- Newsletters
- Library member mailing list



DOAB @DOABooks · 28 okt. 2020

Join us next week for a workshop as part of #OPERAS2020 on: An Open Infrastructure for Open Access Books - Nov 4, 10.00 CET including perspectives from @SofieWennstrom, @joanna\_ball, @viroviacum, @njneilj, Jeff Edmunds, @eferwerda and @piotrr70

Register: [operas2020.com](https://operas2020.com)



# Community initiatives



# OAPEN OA Books Toolkit, launched autumn 2020

<https://oabooks-toolkit.org>



Life cycle

FAQ

Keywords

Glossary



About OA ▾

The OA Books landscape ▾

About the Toolkit ▾

Support ▾

Resources ▾

OAPEN

## OA Books Toolkit



For authors

This toolkit aims to help book authors to better understand open access book publishing and to increase trust in open access books. You will be able to find relevant articles on open access book publishing following the research lifecycle, by browsing frequently asked questions or by searching with keywords.

Life cycle ▶

FAQ ▶

Keywords ▶

# Open Access Books Network

Public 202  
Group Members

[Activity](#)

[Discussion](#)

[Events](#)

[Site](#)

[From CORE](#) 8

**VOICES**  
FROM THE OA BOOKS COMMUNITY

PLAN 5 FOR BOOKS?

A SERIES OF WORKSHOPS HOSTED BY  
THE OPEN ACCESS BOOKS NETWORK  
COMING IN MARCH



# OAPEN is involved in various initiatives

- [OPERAS Research Infrastructure](#) (EU)
- [ENABLE!](#) (DE)
- [OPERAS-P project](#) (EU)
- [TRIPLE project](#) (EU)
- [Community-led Open Publication Infrastructures for Monographs \(COPIM\)](#) (UK)
- [Open Access eBook Usage \(OAeBU\) Data Trust pilot project](#) (US)
- [SCELC & OAPEN Pilot Project](#) (US)
- [European Research Council \(ERC-OAPEN-2019\)](#) (EU)

# Thank you for your attention!

## Contact

Niels Stern, director, [stern@oopen.org](mailto:stern@oopen.org)

Tom Mosterd, community manager, [t.mosterd@oopen.org](mailto:t.mosterd@oopen.org)

<https://doabooks.org> | <https://oopen.org>



# SCOSS & PKP

## Sustaining Open Infrastructure

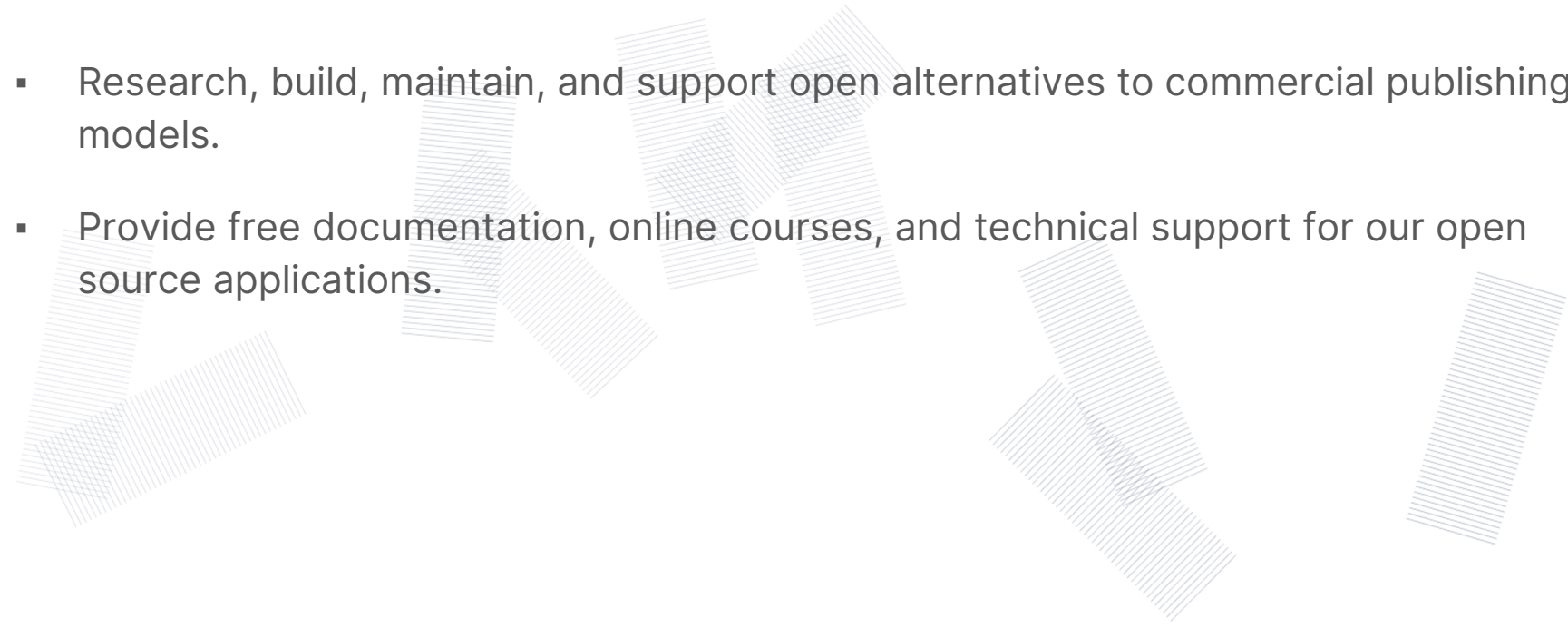
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# About us.

- The Public Knowledge Project (PKP) is a non-profit initiative established in 1998 at the University of British Columbia (Canada).
- Best known for creating and maintaining Open Journal Systems (OJS), the world's most widely used free and open source software for managing the editorial workflow and display of open access journal articles. Also develop and maintain Open Monograph Press (OMP) and Open Preprint Systems (OPS).

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# What we do.

- Research, build, maintain, and support open alternatives to commercial publishing models.
  - Provide free documentation, online courses, and technical support for our open source applications.
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# How we do it.

PKP develops content and workflow management systems that are:

- Free and available to all;
- 100% open source;
- Locally installed and controlled;
- Multilingual;
- Indexed;
- Supported;
- Customizable;
- Community-led; and
- Continuously improving and adapting to the changing publishing ecosystem.



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# Why we do it.

- Reduce cost as a barrier to creating and consuming scholarship online.
- Increase the availability and accessibility of open access content for everyone.
- Expand the diversity of voices and perspectives being heard in global scholarly communications.

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# Why it matters to the open science.

- OJS is used by over 10,000 journals around the world in over 40 languages.
- OJS is used as the national publishing portal in a number of European countries, including Finland, Denmark, and Sweden, with more in progress.
- With over half of OJS journals in the Global South, it expands the diversity of voices participating in the scholarly conversation.
- OJS is the largest platform used by journals in the Directory of Open Access Journals (DOAJ). More than 40% of journals indexed in the DOAJ identify OJS as their publishing platform.
- Over 60% of all Diamond OA journals use OJS.

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# Why it matters to you.

- Many of your researchers and students use OJS to access free content on their research topics (discoverable through DOAJ, Google Scholar, and other indexing services) and to start and run journals in new areas of research.
- Libraries use OJS to support library publishing activities, including offering OJS hosting and support services to their users.

For example...



THE UNIVERSITY of EDINBURGH



# Journal Hosting Service

Library-supported Open Access Publishing

[About](#) [Register](#) [Login](#)

Edinburgh University Library uses Open Journal Systems (OJS) to support the publication of academic and student-led Open Access journals. The journals we support can be accessed from this site.

[About the service](#)

## CURRENT JOURNALS



Airea: Arts and  
Interdisciplinary  
Research



Concept



Contemporary  
Challenges: The  
Global Crime,  
Justice and



The e-Journal of  
East and Central  
Asian Religions

Tweets by EdOpenJournals



# University of Cumbria

## Welcome to our Open Journal Systems homepage

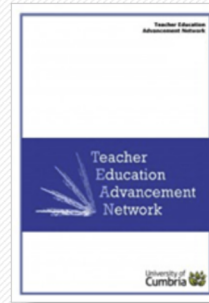


### UNIVERSITY OF CUMBRIA OPEN ACCESS JOURNALS



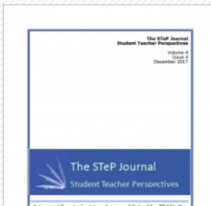
#### Practitioner Research in Higher Education

Practitioner Research in Higher Education publishes research and evaluation papers that contribute to the understanding of theory, policy a ...

[View Journal](#)[Current Issue](#)[Submissions](#)

#### Teacher Education Advancement Network Journal

The Teacher Education Advancement Network Journal is an online journal specifically aimed at teacher educators, with the intention of advancing research and scholarly activity in teacher education. The journal is published by the Teacher Education Advancement Network (TEAN) an ...

[View Journal](#)[Current Issue](#)[Submissions](#)

#### The SteP Journal

The SteP (Student Teacher Perspectives) Journal is an online journal for student teachers. The journal i ...



#### Journal of Applied Psychology and Social Science

APASS publishes research and evaluation by postgraduate students and staff working in the areas of applied psychology and the social sciences. The journal aims to support students who are embarking on a career in academia or in practice as well as early career researchers.

## Loughborough University Library Open Journals

### TRACEY >

TRACEY | journal is an International peer-reviewed electronic open access journal dedicated to the discussion of contemporary drawing and visualisation. The journal is interested in publishing diverse perspectives on the nature of drawing and visualisation: physically, cognitively, and creatively.

[View Journal](#)[Current Issue](#)

### Studies in Design Education Craft & Technology >

The journal is designed to focus attention on developments in the whole field of design and craft education ranging from art through the crafts to applied science and technology. It pays particular attention to case studies of new approaches in schools and colleges written by the teachers and tutors undertaking them. A selection of the growing number of important researches and studies in design education is an important feature of the journal as is the new of all important new literature

[View Journal](#)[Current Issue](#)

### Design & Technology Teaching >

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# Why we need your help.

- Creating and supporting open infrastructure is not free.
- The future of scholarly publishing is open access but this future should not be controlled by commercial interests.
- Sustainable, affordable, community-controlled open access requires financial support for open infrastructures.

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# Why you should help.

PKP membership provides participating institutions with benefits, including participation on community governance committees, access to member-only events, and opportunities to provide direction on future software releases.

Your support helps to:

- Ensure free content continues to be available.
- Ensure locally-controlled, library-based publishing can continue.
- Ensure our software continues to exist, to improve, and be part of the future.



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# How you can help.

To help fund the Public Knowledge Project, contact:

Kevin Stranack

Membership Development & Community Education

[kstranac@sfu.ca](mailto:kstranac@sfu.ca)

See also SCOSS flyer with suggested funding level details: <https://scoss.org/help-sustain-open-infra/become-a-funder/>

**Thank you for supporting open.**