SciPost Genuine Open Access Publishing

Open Access Week @ CERN, 27 October 2022

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University of Amsterdam



Plan of the talk

- SciPost
- Best practices
- Infrastructure
- SciPost and CERN



What is it?

A complete publishing portal (from preprint to metadata curation)



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- Commenting
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Summary?

- Openness
- Quality

What does it aim to achieve?





A complete reform of publishing at all levels

• Implement Genuine Open Access

two-way: free for readers, free for authors



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- Implement a healthier business model
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 - no profit-making on the back of scientists
 - consortial model; not based on APCs



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- Reform impact assessment

Journals

- SciPost Physics
- SciPost Physics Core
- SP Lecture Notes
- SP Proceedings
- SP Codebases

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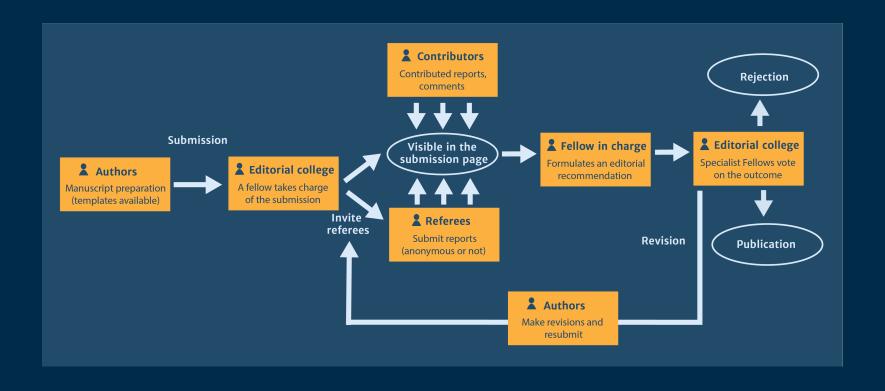


Best practice examples

- Peer-witnessed refereeing
- Cost-slashing consortial business model
- Community-driven
- Open infrastructure



Editorial workflow



Sci Poliew format: Codebases

Quality-oriented publication venue for codes and algorithms

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Publication formats

- User guide
- Codebase release [git repo]

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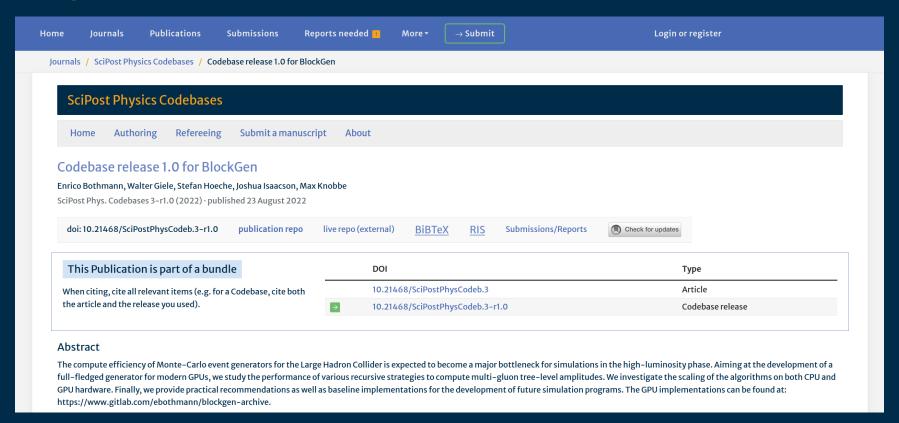
- User guide
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 [git repo]

Features

- refereed
- citable
- Bundles: guides and releases linked



Quick search Q



SciPost's business model Diamond

(though I prefer metals)

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no APCs, no subscriptions [Platinum]

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 A fraction of the current norm!
- consortial model: donations (inspirations: arXiv, ...)



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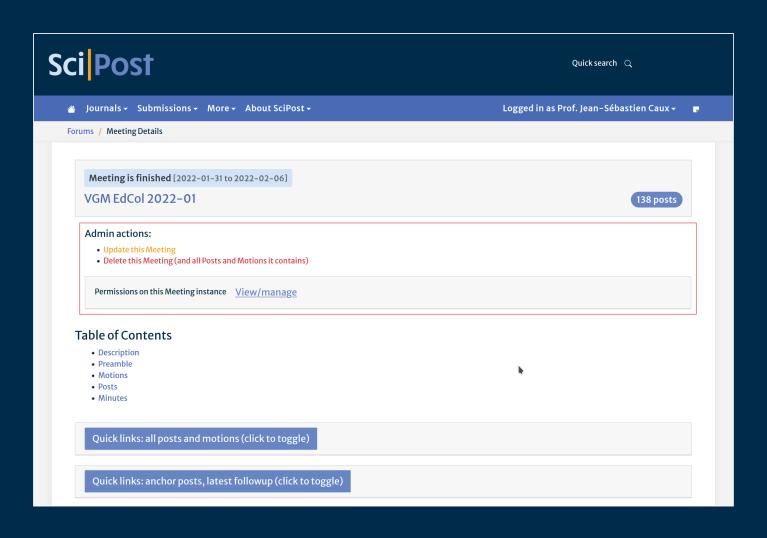


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- Every year, SciPost computes an average full infrastructure cost per publication
- Organizations can use this to determine their level of support

Sci Post Community-driven Latest Virtual General Meeting (2022)



Sci Post SciPost's infrastructure

Based exclusively on Free Software

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Tech stack:

All our systems are built from scratch.

We leverage and contribute to FOSS.

Sci|Post| Sci|Post|s infrastructure

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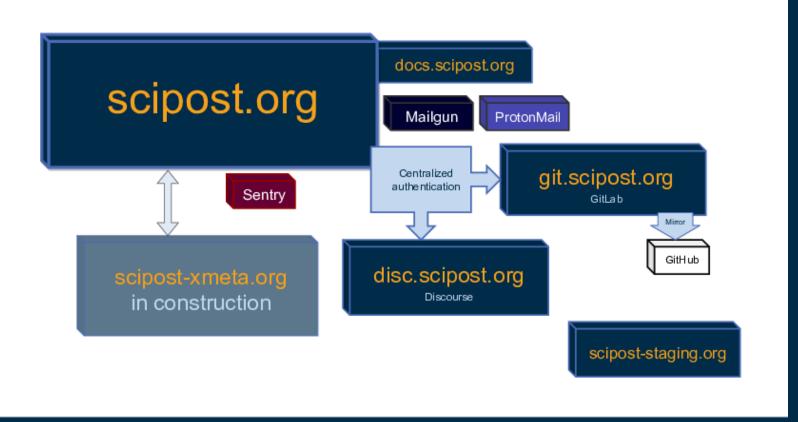
We leverage and contribute to FOSS.

- Django [Python web framework]
- Postgresq [database engine]
- Vue.js HTMX [frontend tech]
- Bootstrap [frontend styling]
- MathJax [LaTeX javascript engine]
- GitLab [hub @ git.scipost.org]
- ... lots more, see git.scipost.org



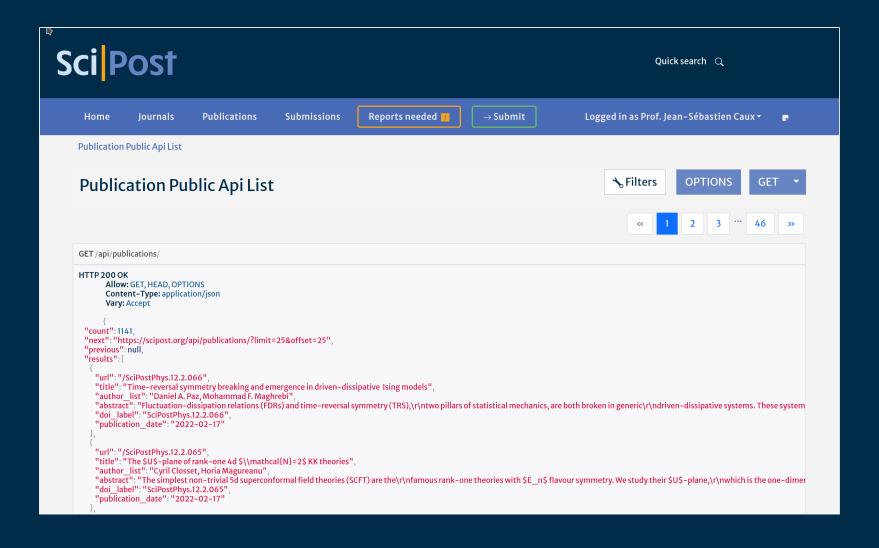
SciPost Services Architecture

(July 2021)



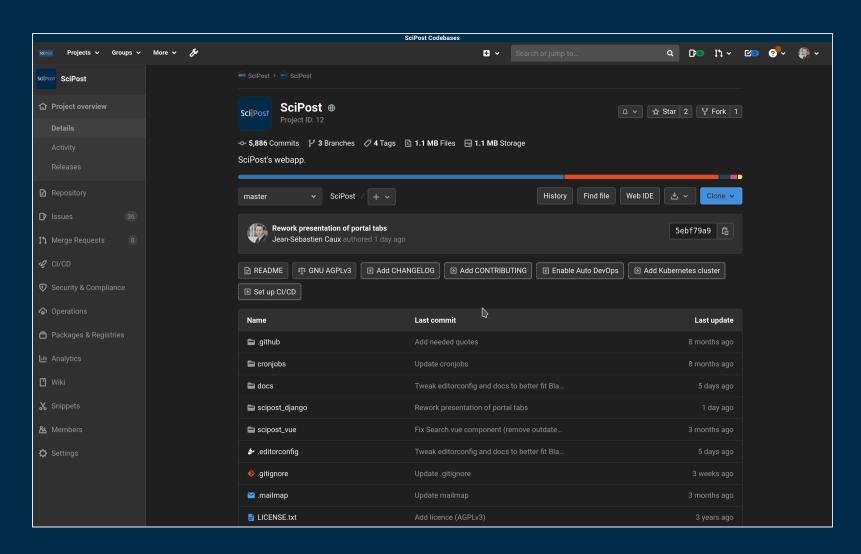


Browsable API



Sci Possoftware repo hosting

@ git.scipost.org





Documentation

@ docs.scipost.org



Docs » SciPost

View page source

Next 😜

SciPost

Welcome to SciPost's infrastructure documentation!

What is SciPost?

The SciPost project aims to transform academic publishing through the creation, operation and maintenance of a full-fledged, top-quality, open-sourced and academically-run infrastructure.

By building the machines and leaving the keys in the hands of academia, we intend to provide scientists worldwide with a healthier publishing and evaluation workflow, free of profiteering or further non-scientific interests.

Who are these pages intended for?

The documents listed here are primarily meant for good-willed geeks, techies or the plain curious.

Perhaps you are an academic and want to see the insides of what we've built for you and your community. Perhaps you happen to be a good web developer who feels like helping out. Perhaps you are one of our potential sponsors and want to check out how we do things, and how transparent our activities really are. Perhaps you are working for an organization which feels threatened by what we do, how we do it, and where it is all going.

Sci Post mmunity discussions

@ disc.scipost.org

Sci Post		ı	≗ Log In	Q ≡
all categories Latest Top Categories				
Topic		Replies	Views	Activity
▼ Welcome to SciPost's Discourse A forum for users of SciPost in particular, and all interested in open science in general. Here, you will find discussions on lots of topics of relevance to the SciPost initiative: improvement suggestions, development i read more	241001	0	277	Apr '21
How to create inline or "online" citations?	E A	1	128	Nov '21
Refereeing guidelines Editorial	9	2	318	Oct '21
Journals structuring ■ Editorial	(I) (V) (A)	3	409	Sep '21
Referee communication preferences Editorial	A A	5	461	May '21
Exploration/request for feedback: SciPost implementing a community OAeX-inspired derivative of our business model? Sponsors & business model		0	312	Apr '21
Gathering sponsors ■ Sponsors & business model		0	236	Apr ¹21

Collaboration Agreements

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2017-2019 (€6k) & 2020-2022 (€12k)

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Working on renewal and expansion!

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Publication
statistics

High-energy physics

Total: 853

[2022: 432]

SciPost Physics	459	[145]
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Sci Post

Final thought

Genuine Open Access Publishing is like Linux





Genuine Open Access Publishing is like **Linux**Parallels are evident:

It's the better OS, but "less easy" to use



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- It's competing against huge corporations...



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- It's competing against huge corporations...
- ... who are experts at customer "lock-in"
- It's a fragmented community
- It's only adopted by a minority, despite the compelling technological, privacy, flexibility, customizability, and... cost advantages





Jean-Sébastien Caux @jscaux

I recently abandoned Apple and moved back to Linux.

It's like leaving a multicolour candy superstore and setting out in the wilderness.

Sure, I have to paddle harder and there are some mosquitoes, but I tell you: the air is much fresher and the vistas way more beautiful.

The SciPost Team

J-S Caux Founder; developer Paula Perez Admin (editorial)

Joost van Mameren Secretary Sergio E. Tapias Arze Admin (editorial)

Jasper van Wezel Treasurer Jan Willem Wijnen Sponsors

George Katsikas Production

Thanks!