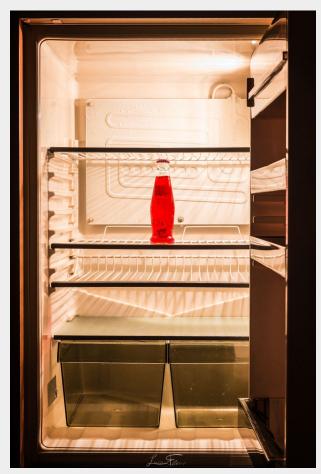


100 FREEDOMS OF FREE SOFTWARE

001 USE 010 STUDY 011 SHARE 100 IMPROVE

fsfe.org

VS.



Economic Sustainability

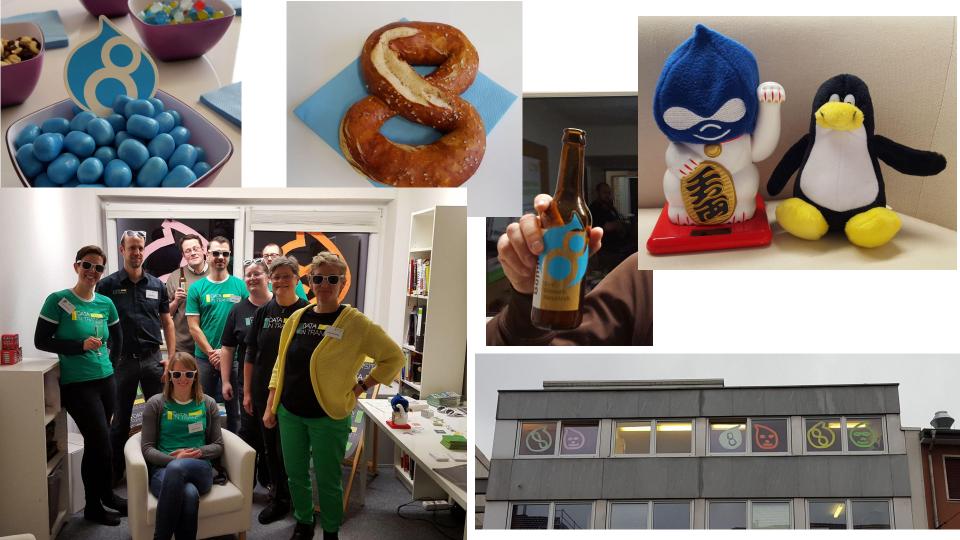
The project has funding to continue operations



Economic Sustainability

The project has funding to continue operations for years to come.







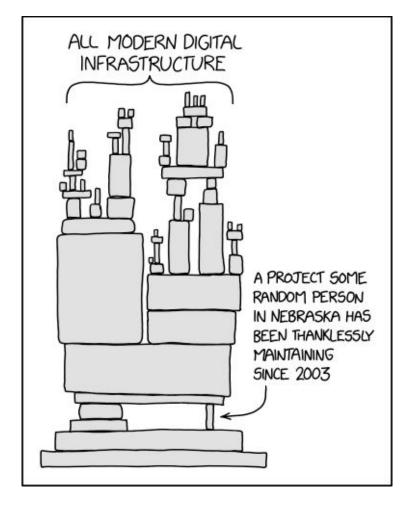
Communicating securely with Mailvelope



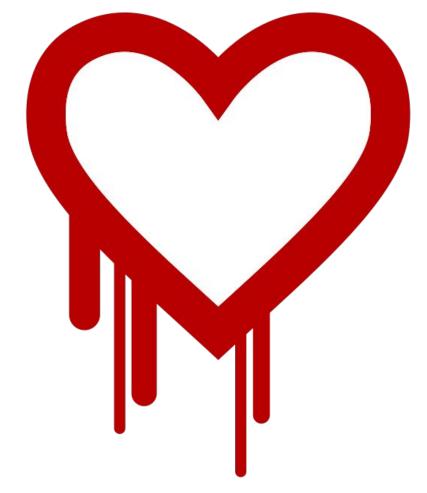
Your sensitive data is securely protected by us.

And best of all, it's so simple that anyone can join in.











"So the mystery is not that a few overworked volunteers missed this bug; the mystery is why it hasn't happened more often."

- <u>Steve Marquess</u>, OpenSSL



10 years after



Sovereign Tech Fund







Free and Open-Source Software Sustainability Fund

And still...

- 96% of the surveyed codebases included OSS
- 77% of the code in the codebases was OSS
- 49% of code bases included OSS that had had no developer activity in the past two years
- Synopsys '24 Open Source Security Report (audited > 1,700 codebases across 17 industries, <u>source</u>)

- 60% of open source maintainers describe themselves as "unpaid hobbyists."
- 44% of all maintainers said they are the only person maintaining a project.

Tidelift study 2023,

https://thenewstack.io/open-source-needs-maintainers-b ut-how-can-they-get-paid



The Economics of Open Source



Voluntary, unpaid work



Voluntary, unpaid work

The World's Email **Encryption Software** Relies on One Guy, Who is **Going Broke**

Werner Koch's code powers the email encryption programs around the world. If only somebody would pay him for the work.

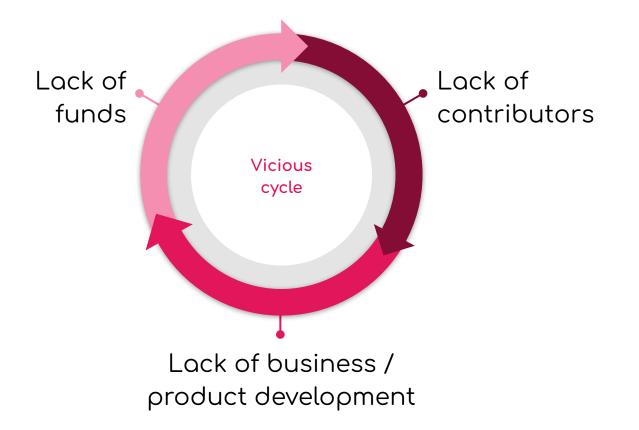
by Julia Angwin, Feb. 5, 2015, 11:24 a.m. EST







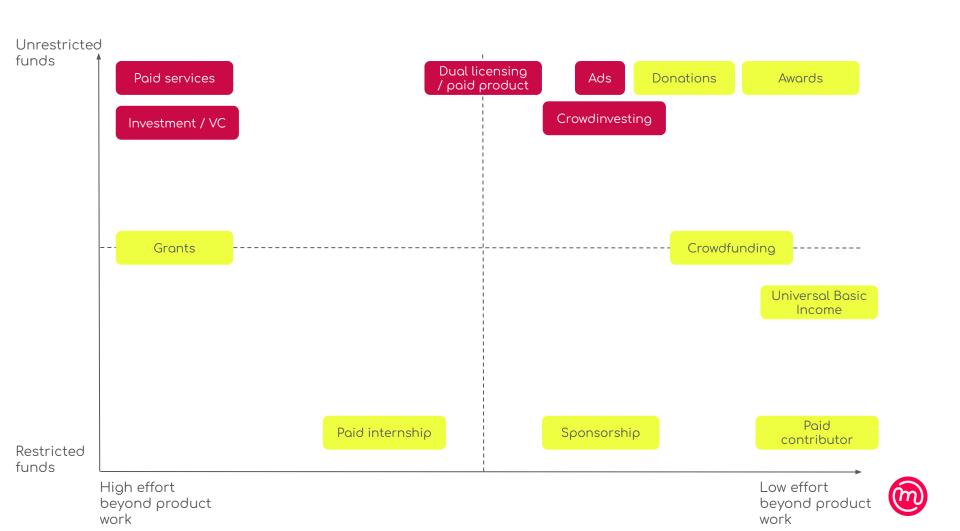






Sustaining F/OSS: Business and Funding Models





Non-profit funding models

A developer gets paid

- Universal Basic Income
- Paid internship
- Paid contributor / maintainer

The project receives funds

- Grants
- Awards
- Crowdfunding
- Sponsorship
- Donations



For-profit business models

Paid services

- Consulting
- Training
- Custom development
- Certifications
- Packaging / Deployment
- Hosting
- eyeo / ABP case
- → Non-product work finances the product development

Paid product / dual licensing

- Freemium
- Open Core
- Software as a service (SaaS)

→ Product sales finance the product development

Examples



Adblock Plus

What is it? Browser extension

What does it do? Block ads, tracking, malware

License: GPL

Developed by Adblock Inc (subsidiary of eyeo GmbH)

Available since 2006

- Ads: eyeo's Acceptable Ads revenue
- Freemium
- Donations





Drupal

What is it? CMS / DXP

What does it do? Framework for web content publishing

License: GPL

Developed by Community

Available since 2001

- Donations
- Grants (Drupal association)
- Sponsorships
- Paid contributors
- Paid services





GnuPG

What is it? Crypto engine implementing PGP standard

What does it do? Encrypt & signs data and communications; key management system

License: GPL

GPL

Developed by: Werner Koch / g10 Code GmbH

Available since 1997



- Public funds (Germany, for GPG4Win and VS-Desktop)
- Crowdfunding
- Donations (by larger companies like Stripe, Facebook)
- Paid services (g10 Code GmbH)



Mailvelope

What is it? Browser extension

What does it do? Encrypt webmail communications

License: AGPL

Developed by Thomas Oberndörfer, Mailvelope GmbH

Available since 2012

- Grants
- Paid subscriptions (Mailvelope Business)





Mozilla Firefox

What is it? Browser

What does it do? Encrypt webmail communications

License: Mozilla Public License (MPL)

Developed by Mozilla Foundation & Mozilla Corporation

Available since 2004

- Donations (Mozilla Foundation)
- Paid services / Ads (Mozilla Corporation, 81% (2022) from Google paying for making it the default search engine)





MySQL

What is it? Database Management System

What does it do? Stores and manages information in databases

License: GPL and proprietary

Developed by MySQL AB

Available since 1995

- Donations (Mozilla Foundation)
- Paid product via dual licensing





Learnings

Longevity built on

- keeping it small
- finding a profitable paid services business model
- building a profitable paid services ecosystem
- dual licensing
- securing (unrestricted) grants
- securing (large) donations



Economic Sustainability

The project has funding to continue operations for years to come.



Beware!

- Tip jars / Gig economy
- Restricted funds
- Short-term grants
- Grant writing overhead
- Donation taxation



How about...

funding Open Source maintainers with public money from (corporate) taxes? applying licensing that requires you to pay money when you build commercial tooling on top of OSS?



International Women's Day

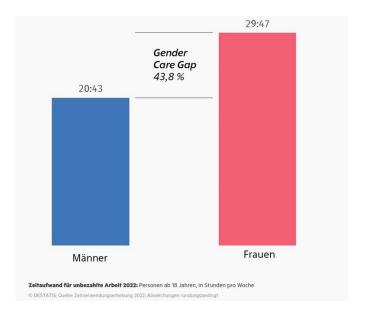
What Open Source sustainability means for us



< 10%

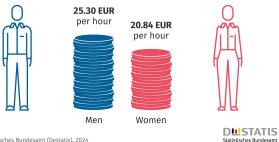
female contributors to Open Source repositories



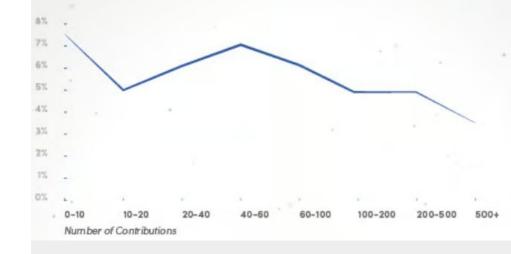


Gross average earnings, 2023

for calculating the gender pay gap



Percent Female Users by Number of Contributions



Open Source sustainability enables diversity.





Thank you!

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