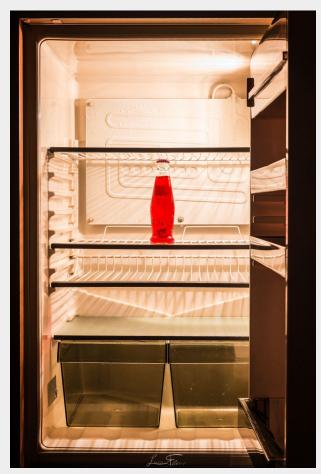


### 100 FREEDOMS OF FREE SOFTWARE

001 USE 010 STUDY 011 SHARE 100 IMPROVE

fsfe.org

VS.



## **Economic Sustainability**

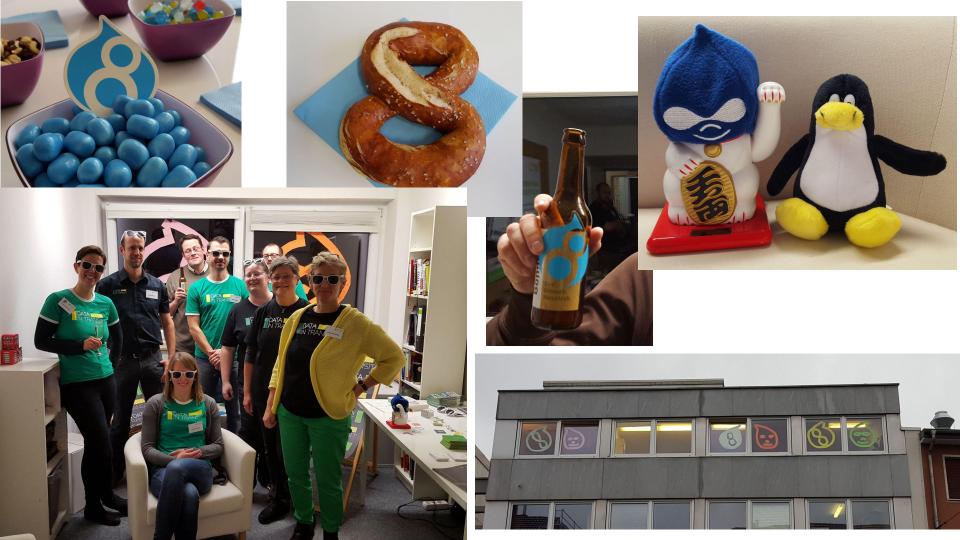
The project has funding to continue operations



## **Economic Sustainability**

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







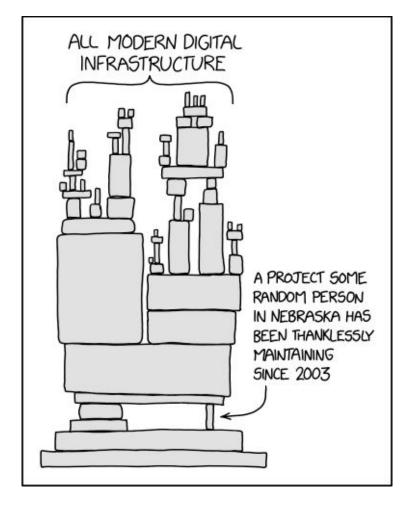
#### Communicating securely with Mailvelope



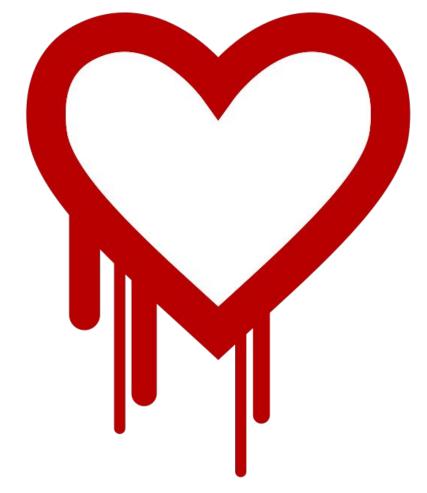
Your sensitive data is securely protected by us.

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



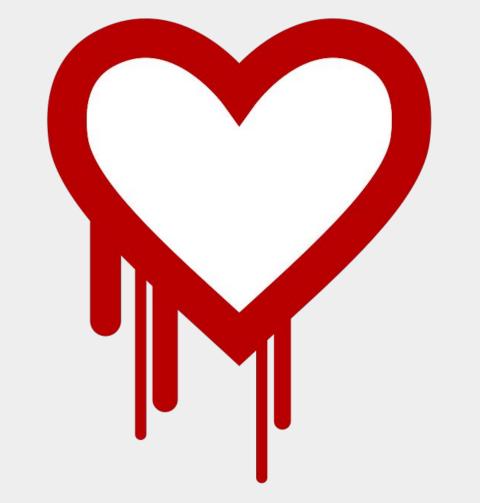








## OpenSSL



Credit: Leena Snidate / Codenomicon, CC0, via Wikimedia Commons

"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



### GnuPG

#### 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









#### Reactions



### Sovereign Tech Fund





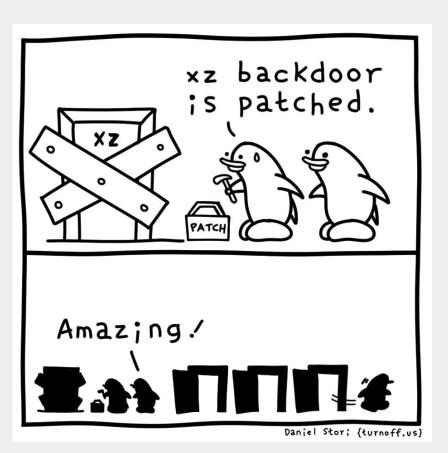


Free and Open-Source Software Sustainability Fund Log4J

#### Your next task is to figure out which applications in your org use log4j



### xz Utils



#### The situation today

- 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



# How to make a living from building Open Source software?



# 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.

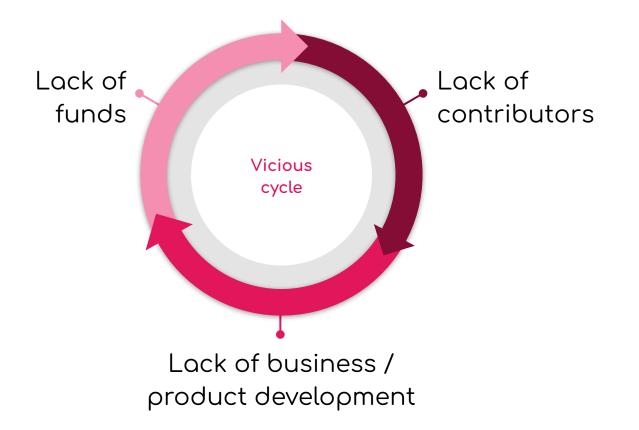
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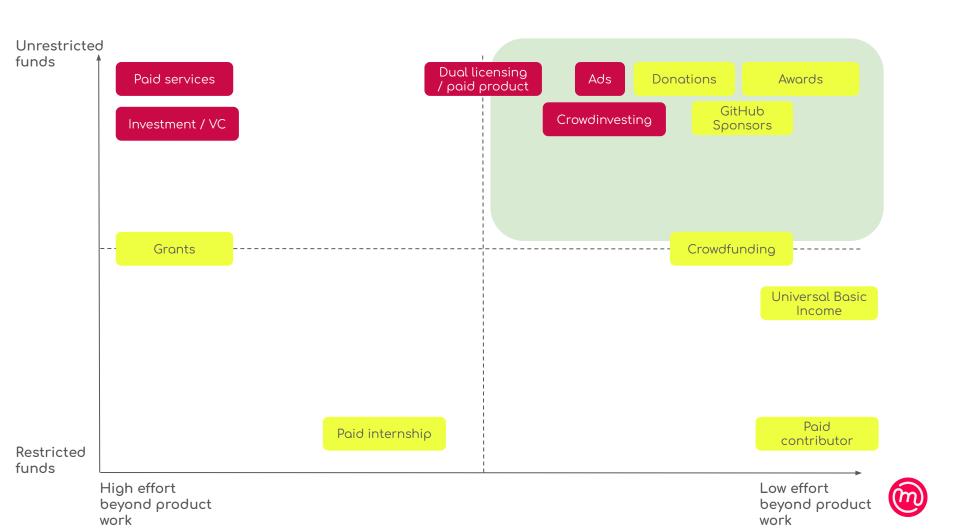


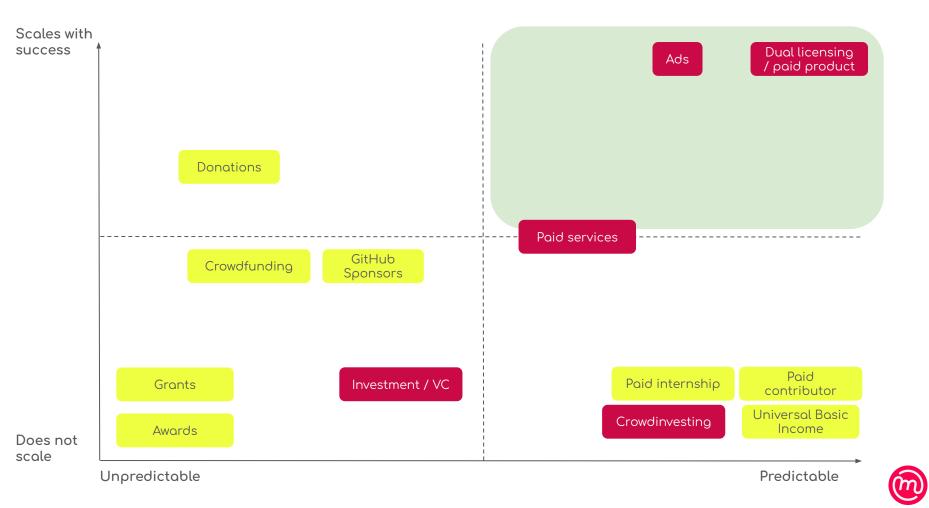




# Sustaining F/OSS: Business and Funding Models







# 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

#### Funded by

Ads / paid services: 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

Werner Koch / g10 Code GmbH

Available since 1997



#### Funded by

Developed by:

- Public contract (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 the organization 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 offerings on top of OSS?



#### Licensing

"I want everyone to be able to use my code only for non-commercial purposes."

- Commons Clause: <a href="https://commonsclause.com">https://commonsclause.com</a>
- Sustainable License:
   <a href="https://manishrjain.com/sustainable-license-faq">https://manishrjain.com/sustainable-license-faq</a>
- Heather Meeker: <a href="https://heathermeeker.com/about-me/">https://heathermeeker.com/about-me/</a>



What Open Source sustainability means for US



# < 10%

## female contributors to Open Source repositories



# 18%

Gender pay gap: In Germany, women earn 18% less than men. (2022, DESTATIS)

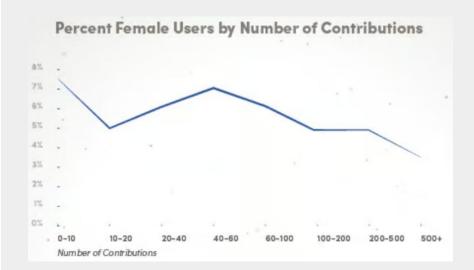


# 9h

Gender care gap: Per week, women work 9h more unpaid than men do.
(2022, DESTATIS, Germany)



How can one expect women to contribute to Open Source when that means spending spare time we don't have, on another topic we are not going to be paid for?



https://www.toptal.com/open-source/is-open-source-open-to-women

Open Source sustainability enables diversity.





## Thank you!

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PGP: 89D1 69A3 ECAD CA3D A4E6 F3A7 DFA4 EE0F 9113 4859



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https://www.linkedin.com/company/mailvelope/