



LLVM  
FOUNDATION

# Updates

LLVM Foundation Board of Directors

# What is the LLVM Foundation?

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- A 501(c)(3) public charitable organization
  - Founded in 2014
  - Public charities must serve the *public* good.
  - 9 person board, elected every two years
    - New board elected in August 2022

# Mission

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The LLVM Foundation's mission is to support education and advancement of the field of compilers and tools through educational events, grants and scholarships, increasing diversity within the field of compilers, tools, and the LLVM project, and directly supporting the LLVM Project community and infrastructure.

We support the LLVM community by helping it to grow, foster community interactions, work to keep LLVM development productive through infrastructure, and work to ensure the long term health of the LLVM project.

# Programs

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- Supports the LLVM project through:
  - Educational Outreach: Educational materials and events like this Developer Meeting
  - Community.o: Diversity & Inclusion Outreach
  - Scholarship & Grants
  - Community health & growth, project infrastructure, legal issues, other cross-cutting efforts

# Who is on the board?



Chris Bieneman



Chris Lattner



Wei Wu



Reid Kleckner



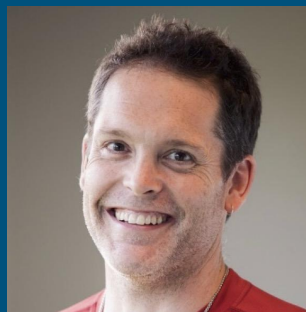
Mike Edwards  
(Treasurer)



Kristof Beyls



Anton Korobeynikov



Kit Barton  
(Secretary)



Tanya Lattner  
(President)

# Programs Updates

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# Educational Outreach

## LLVM Developers' Meeting

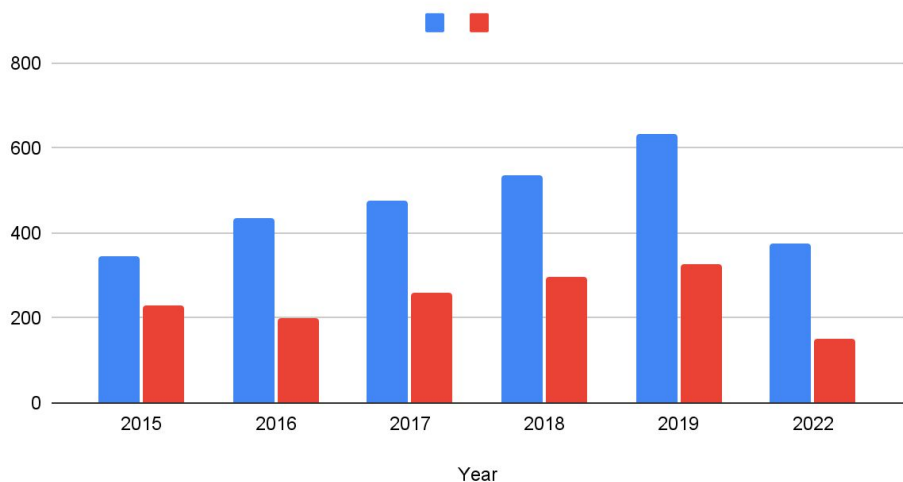
- EuroLLVM: First in-person meeting since 2019
  - 150 attendees in London
- 2022 US LLVM Developers' Meeting
  - 375 attendees
- Rebuilding our events

## Google Summer of Code

- 2022 Stats:
  - a. 24 proposals, 15 accepted projects, 11 finished, 2 are still in-progress and 2 failed.

## Meetups

Attendees at US (blue) and EuroLLVM (red)



# Community.o

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## Past efforts:

- Panel Discussions, working workshops
- Paid Talks (Imposter Syndrome, Technical Speaking, Compassionate Coding),
- Booth at Grace Hopper, Workshop at CGO 2020, sponsored PLM-W at SPLASH and PLDI
- 2021 Community.o Summit

## Current Efforts:

- Women in Compilers and Tools Meetup series (organized by the WiCT team)
- Community.o Workshop at 2022 LLVM Developers' Meeting



# Scholarships and Grants

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- Funding student travel to conferences related to compilers or LLVM
  - 2020: \$4,428 (reimbursed cancellations for EuroLLVM and no new travel due to COVID)
  - 2021: We did not offer Scholarships & Grants in 2021 due to Covid travel restrictions
  - 2022: We have budgeted \$50k this year and have expended ~\$48k thus far
- Can fund students attending other compiler related conferences
- Would like to expand and grow this program

# LLVM Project Infrastructure

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- Project Communication:
  - Discourse (forums)
  - Mailing Lists
  - Website
  - Twitter/Facebook
  - YouTube
  - LLVM Blog
- Project Development
  - Documentation Generation
  - Release hosting (pre-GitHub)
  - GitHub Management of services such as Issues Tracker, source repository, etc
  - Mac Mini

# LLVM Project Infrastructure

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- Services hosted outside
  - Phabricator
  - LLVM Lab
  - LNT
  - Mac Mini Hosting
- Legal
  - Relicensing
  - License questions regarding code, docs, etc
  - Project policies

# Finance

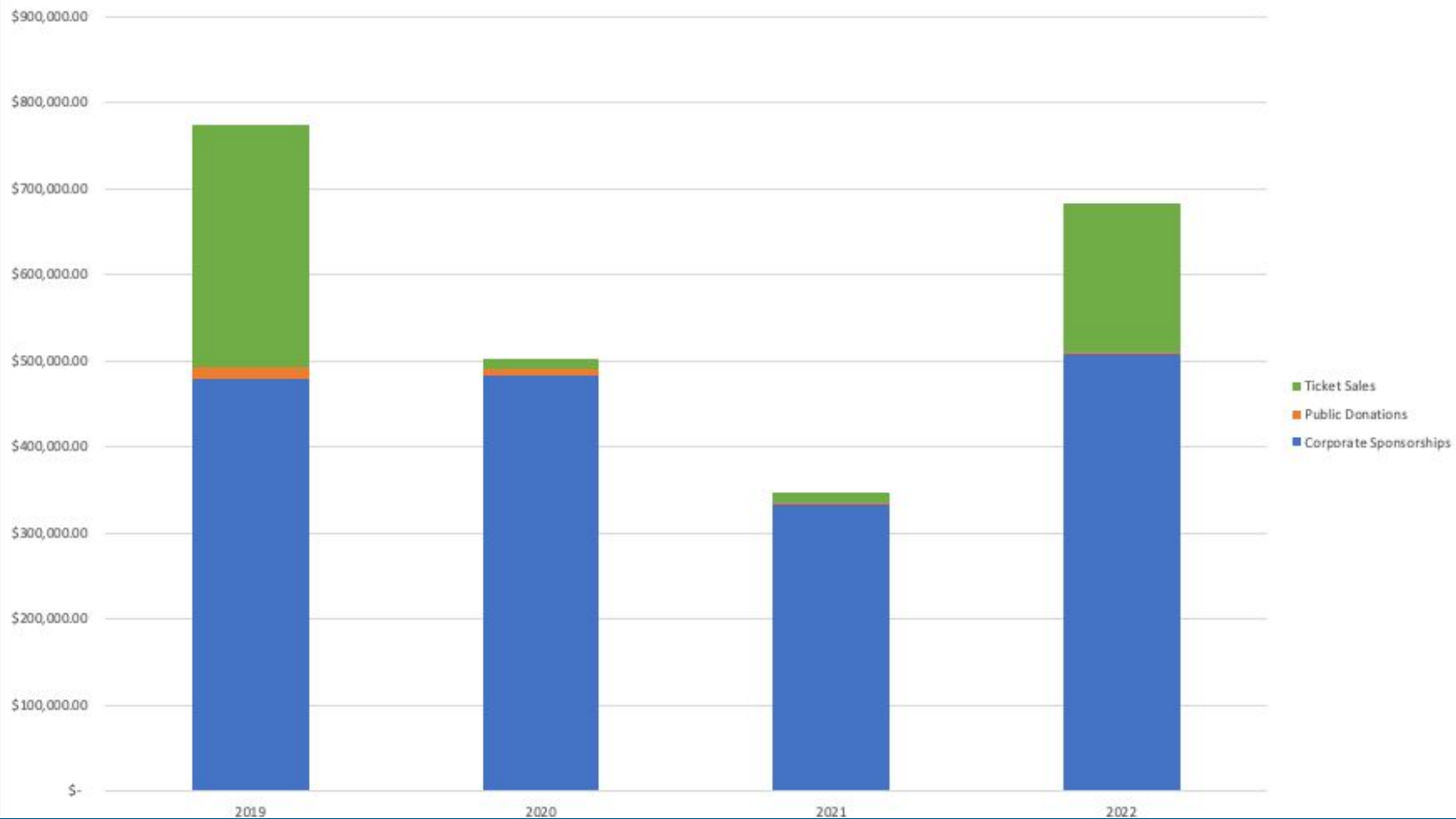
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# LLVM Foundation Revenue

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- Sponsorship / Revenue is recovering
  - Thank You very much to our current sponsors!
  - The majority of our operating capital comes from Corporate Sponsorships
  - Revenue from ticket sales is increasing as we continue to raise ticket prices
    - The Foundation still subsidizes ticket prices for every attendee
    - Sponsors and Speakers receive free tickets (100+ free or subsidized tickets)
    - Actual total cost per attendee for this meeting is ~\$1,300
    - Ticket prices will increase again in 2023

LLVM Foundation Year Over Year Revenue

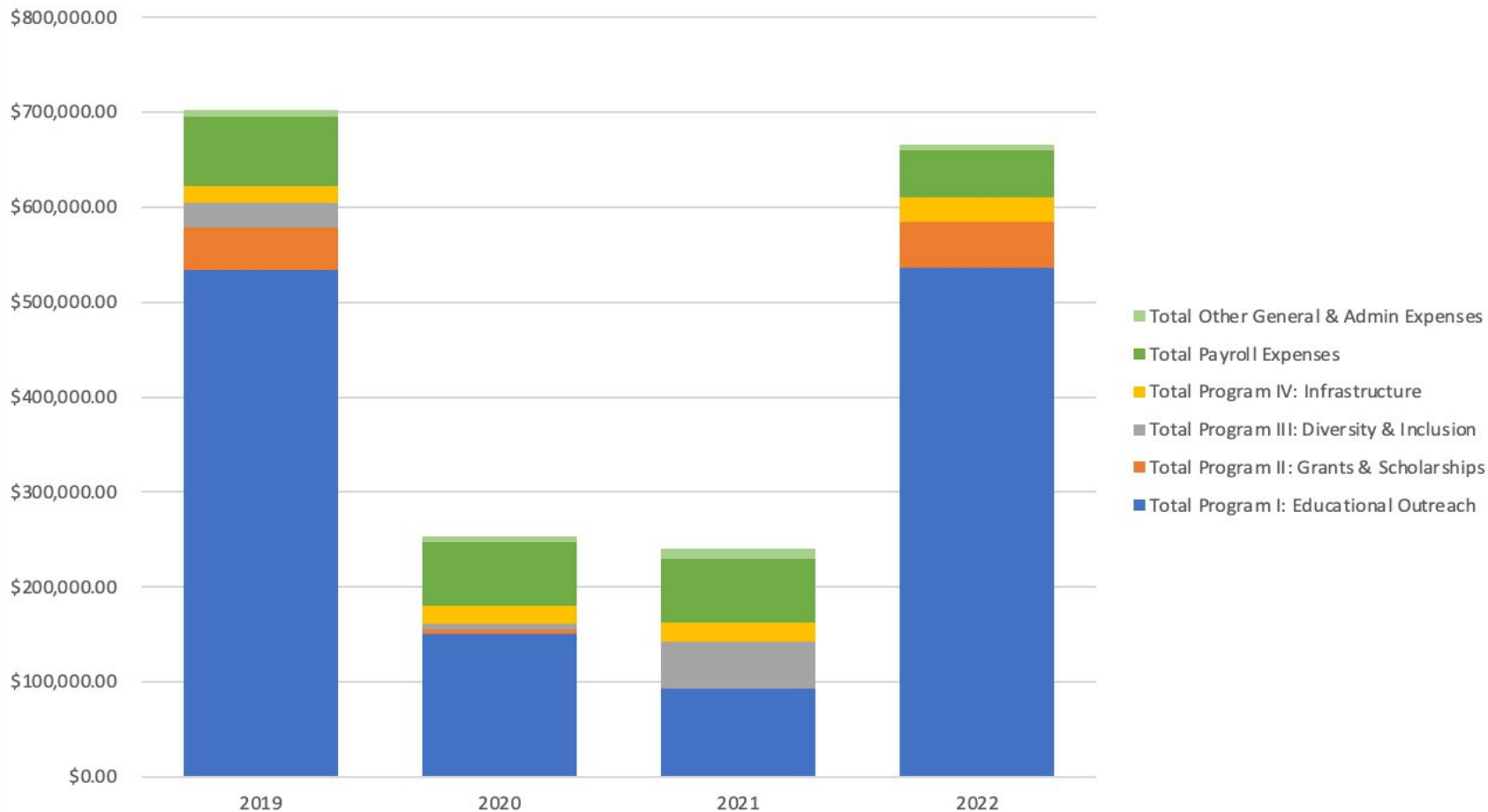


# LLVM Foundation Operational Expenses

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- Expenses increased in 2022
  - Return to In Person events
    - This is great 🎉
    - This is expensive 💰
    - Events represent ~79% of overall expenses
    - Events costs are more now than 3 years ago with half the attendees
  - Inflation & Pandemic Recovery
    - Driving all service related costs higher
    - All vendors are making up for lost time
    - The impacts to the global supply chain are still affecting prices negatively

# LLVM Foundation YoY Expenses By Program





# LLVM Foundation Financial Outlook

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- Spending has been lower, but now is ramping up
- We are planning for a decrease in revenue for 2023
- We would like to decrease fiscal burden of our Events
- We are planning for an increase in G&A Expense
  - Adding full-time positions to help grow rate of progress of initiatives
- We expect to burn through our cash reserves next year
- Inflation will play a major role in determining our impact next year

# Relicensing

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[foundation.llvm.org/docs/relicensing/](https://foundation.llvm.org/docs/relicensing/)

# Relicensing

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## Completed:

- New license installed
- Old complex licenses and company disclaimers mostly removed
- All but a few active contributors have agreed to relicense
- Slow progress on long tail agreements

## Next up (with *very rough* time frame):

- Now ... 2021Q3: Drive long tail down
- 2021Q4: Build a plan with our lawyer to handle last remaining contributions
- 2022H1: Begin work to close out long tail
- 2022H2: Remove all old license

# Relicensing

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## Completed:

- New license installed
- Old complex licenses and company disclaimers mostly removed
- 98% of all code ever contributed to LLVM is now relicensed.
- Slow progress on long tail agreements

## Next steps:

- Continue driving long tail down
  - You can help, see <https://blog.llvm.org/posts/2022-08-14-relicensing-update/>
- Build a plan with our lawyer to handle last remaining contributions
- Rewrite/remove code as necessary
- Drop the old license

# 2022 Accomplishments

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# 2022 Major Accomplishments

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## Infrastructure:

- Moved from bugzilla to github issues
- Moved from mailing lists to Discourse

## Developer Meetings:

- Despite the pandemic, we held Developers' Meetings
- Online sync-ups have become a normal part of communicating in the community
  - it's become one of the default tools next to Discourse, Discord, code reviews and in-person sync-ups at dev meetings and local socials.

# 2022 Major Accomplishments

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- Office hours are starting with already about a dozen hosts.
  - We hope that in the coming year this continues to grow
- LLVM Community Calendar
  - Contains an overview of all the activities (online and in-person) happening in the LLVM community.
- Code of Conduct
  - Completed all remaining parts (process, report guide, committee)
  - Published transparency reports
  - Working to expand the current Code of Conduct committee (any volunteers?)

# 2022 Major Accomplishments

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- Relicensing:
  - Went from less than 70% relicensing agreement coverage to over 98% coverage for code contributed before we installed the new license.
  - See blog post for details.
- We are answering more legal questions around licenses.
- Setting project policies to ensure a safe and welcoming community



# Strategic Planning

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- Setting the 3-5 year road map for the LLVM Foundation
- The board will be hosting meetings with the community to gather input on our programs
  - Expected in January/February
  - For all 4 of our programs
  - All are welcome to join
- LLVM Foundation Staff
  - We plan to hire additional staff

# Questions and Comments?

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Email us at: [board@llvm.org](mailto:board@llvm.org)