Community Diversity + Events: Impacts and Trends Diversity, Equity and Inclusion MC @ Linux Plumbers Conference 2021

Angela Brown SVP & GM, Events The Linux Foundation



Disclaimer

There are many different kinds of diversity.

For the purposes of the talk, I'm primarily discussing gender, race and geographic diversity.

What Does Diversity Look Like At Open Source Events?



Events are representative of their communities

Communities with less diversity = events with less diversity

One female developer says, "In regards to the open source projects - I've been thinking about this recently. I actually haven't committed to any and it definitely puts a kink in my career... I feel like it's a circle I can't get into. But mostly I fear the excessive spotlight of being a sole female programmer on a publicly available project. In light of how women are treated on the internet, this fear does not seem unreasonable." - Toptal: https://www.toptal.com/open-source/is-open-source-open-to-women

"One thing many respondents said drives them away from open source projects are negative interactions such as rudeness, name-calling, stereotyping, and—at the more extreme end of the spectrum—stalking and outright harassment." - Wired:

https://www.wired.com/2017/06/diversity-open-source-even-worse-tech-overall/

["]U.S. Bureau of Labor data shows that <mark>19.4% of software developers are women, but according to a 2017 GitHub open source survey, 95% of respondents were men and just 3% were women (1% identified as non-binary). The reasons are various, but one key reason may simply be that open source communities can be unfriendly to women developers." - Inforworld: https://www.infoworld.com/article/3620290/open-sources-diversity-problem.html</mark>

Events are representative of their communities

Projects with diversity encourage more diversity

"This is my first time on a team where there are more than two women on my team. For most of my career, I was the only woman on my team. I got to be on the same team as Carolyn Van Slyck for several months before this one.... I feel a sense of ease and comfort I have never felt before personally and I do think it has something to do with not being a minority both in gender identity and ethnicity. I'm also not the only first-gen American on the team. There are more personalities like mine." - Michelle Noorali, Software Engineer, Microsoft; CNCF TOC member and GB member; contributor to Helm, Draft, Cloud Native Application Bundles (CNAB), and Service Mesh Interface (SMI), among others.

Lack of diversity in your community equals a lack of diversity in your events

Speakers are representative of attendees

Women & Non-Binary Event Participants - 2019

- LF Member Summit (Leadership Summit) 31% of Speakers 22% of Attendees
- Open Networking Summit North America
 - 14% of Speakers
 - 11% of Attendees
- KubeCon + CloudNativeCon Europe
 - 15% of Speakers (including 40% of keynotes) 8% Attendees
- Open Source Summit + Auto Linux Summit Japan
 - 15% of Speakers
 - 13% of Attendees

Open Source Summit North America 23% of Speakers 21% of Attendees Embedded Linux Conference North America 16% of Speakers 14% of Attendees **Open Networking Summit Europe** 19% of Speakers 15% of Attendees Open Source Summit +ELC Europe 20% of Speakers including 11 keynotes 15% of Attendees KubeCon + CloudNativeCon North America 14 % of Speakers 11% of Attendees **KVM** Forum 10.6% of Speakers 9% of Attendees

Speakers are representative of attendees



Samson Goddy @Samson_Goddy · 3h

Some days back, I had the opportunity to travel to Lyon for the **#OSSummit** by **@EventsLF**. It was terrific talking about the **#opensource** we do at **@oscafrica**, especially with the Open Source Festival. It was fantastic as I turned 20 the next day.

Grateful!!





Himadri Pandya @himadrispandya · Nov 5

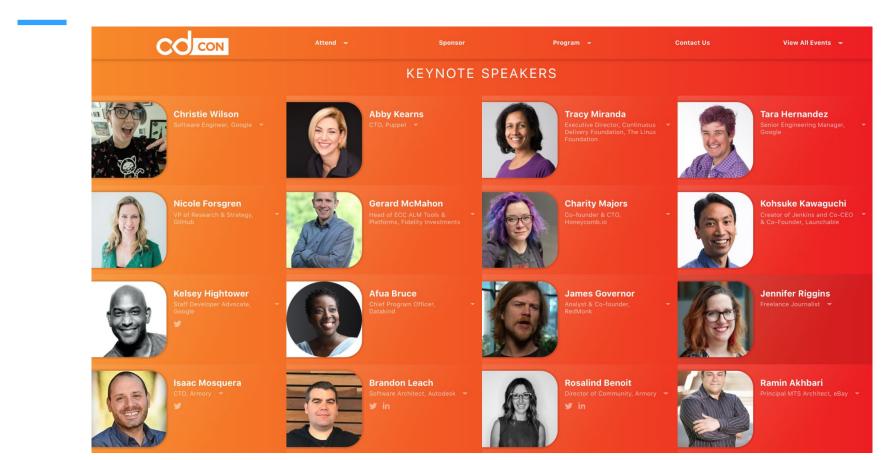
The proud moment of presenting my @outreachy project "Improving Linux kernel support for running as a guest on Hyper-V" at #OSSummit . Thank you @linuxfoundation for the opportunity \bigcirc .



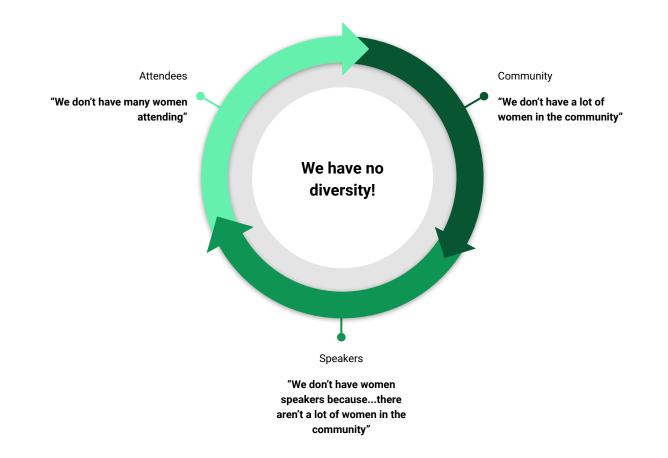
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Speakers are representative of attendees

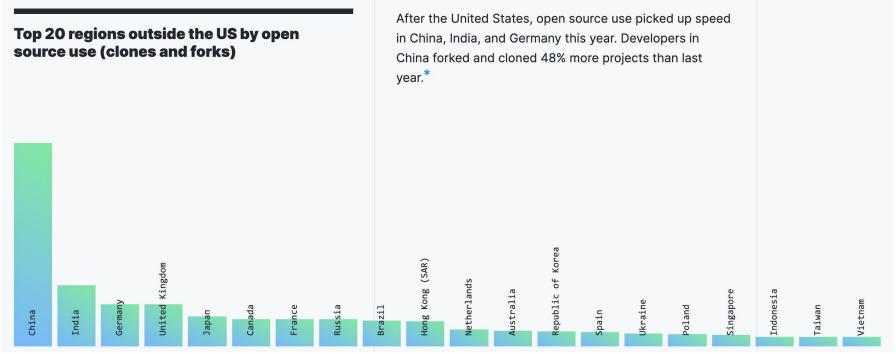


It's a feedback loop and a self fulfilling prophecy



Globalization = More Geographic Diversity

2019 Event Attendees from 108 Countries



-GitHub State of the Octoverse Report

Being Geo Inclusive also means meeting others where they are



20 Countries in 2019

Australia	Japan
Belgium	Monaco
Brazil	Russia
Canada	South Korea
China	Spain
Estonia	Sweden
France	Switzerland
Germany	The Netherlands
India	UK
Israel	United States

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Do Virtual Events Help Diversity?



Gender Diversity - hard to say

KubeCon North America 2021 Hybrid				KubeCon North America 2019 In Person		KubeCon North America 2018 In Person	
Which gender do you identify with?		Which gender do you identify with?		Which gender do you identify with?		Which gender do you identify with?	
Prefer Not To Say	9.21%	Prefer Not To Say	12.49%	Prefer Not To Say	4.00%	Prefer Not To Say	14.00%
Woman	13.09%	Woman	10.45%	Woman	12.00%	Woman	12.00%
Man	77.70%	Man	77.06%	Man	84.00%	Man	74.00%

OSS + ELC North America 2021 - Hybrid					OSS + ELC North America 2019 - In Person		OSS + ELC North America 2018 - In Person		
Which gender do you identify with?			Which gender do you identify with?			Which gender do you identify with?		Which gender do you identify with?	
Prefer not to say	157	11.48%	Prefer not to say	313	8.96%	Prefer not to say	6.00%	Prefer not to say	4.88%
Woman	318	23.25%	Woman	589	16.87%	Woman	18.20%	Woman	22.81%
Man	893	65.28%	Man	2590	74.17%	Man	75.80%	Man	72.31%

KVM Forum had 8% women attendees in 2019 (in person) and 12% in 2021 (virtual) LPC had ~7% women attendees in 2019 (in person) and 10% in 2021 (virtual)

Geographic Diversity - yes!



2020

2019

Virtual

Attendees from 137 countries across six continents 59% from the United States Other countries with a sizeable audience at the event include: India 7.5%; Canada 5%; UK 3.3%



Attendees from 67 countries across 6 continents

- 80% from the United States
- Other countries with a sizeable audience at the event include: Canada 4%, Japan 2% UK - 2%, Germany - 1%, Israel - 1%, India - 1%

Racial Diversity - not enough data yet

OSS + ELC North America 2021 - Hybrid			OSS + ELC North America 2020 - Virtual			
Do you identify as a POC?			Do you identify as a POC?			
Prefer not to answer	232	16.84%	Prefer not to answer	715	20.41%	
Yes	208	15.09%	Yes	709	20.24%	
No	938	68.07%	No	2079	59.35%	

KubeCon North America 2021 - Hybrid			KubeCon North America 2020 - Virtual			
Do you identify as a POC?			Do you identify as a POC?			
Prefer not to answer	1995	21.53%	Prefer not to answer	4136	24.8%	
Yes	2087	22.52%	Yes	3634	21.79%	
No	5185	55.95%	No	8908	53.41%	

D&I Event Initiatives



Diversity & Inclusion Efforts Onsite at Events

- > Strictly enforced Event Code of Conduct
- > No All Male Programs, Panels or Keynote Line-ups
- Scholarships & Travel Funding
- > Child Care
- > <u>Active outreach to women and other</u>

<u>under-represented groups to speak at</u> <u>events</u>

- > Venue Accessibility
- Free non-alcoholic beverages at all social events
- > Non-gender specific event shirt sizing
- Communication Stickers & Pronoun Stickers

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- > Nursing Room
- > Diversity Programming
- > Gender Neutral Restrooms
- > Quiet Room / Prayer Room
- Women and/or Diversity Social Gatherings
- > Speed Mentoring Program
- > Speaker Inclusivity Training Course
- > Diversity org partnerships
- > Live Captioning*

Trend/Non-Binary: Women Speakers

Open Source Summit / ELC / LinuxCon / OSPOCon

2010: 10% of Speakers

2019: 23% of Speakers

2021: 27.8% of Speakers = 108 out of 388 speakers are women or

non-binary

This was not a happy accident.

Community Funding in 2019

Over \$900,000 in Travel Funding

(Diversity - \$715,000 and Need-Based - \$188,000)

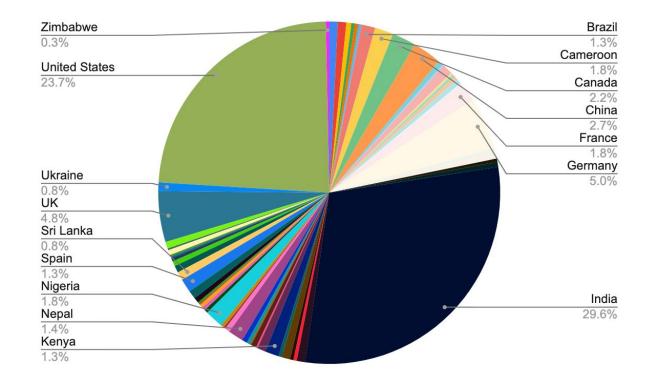
Funding 638 Individuals

PLUS **\$445,000**

EVENT REGISTRATION SCHOLARSHIPS



Travel Funding Geo Breakdown in 2019



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Event Diversity & Inclusion Initiatives Work

Why? It shows that you are working to create an inclusive community which in turn creates a more inclusive community. Be patient, It is a slow uphill battle...



Small Steps Lead to Big Change (Eventually)

This morning <u>I was on the third of three consecutive panels in which women were a majority of participants</u>. <u>The best part is we weren't even thinking of diversity -- it just happened</u>.

And <u>I think this is because of the mandate that we made as Linux Foundation to no longer have all-male</u> <u>panels</u>. I will admit that in the initial wake of that I was asked to be moderator for all sorts of discussions I knew nothing about, just to make up the numbers. And I think we all dealt with a number of annoyed men complaining.

But in the intervening time, that intention to shine the spotlight on women experts and speakers has meant that I and those around me have a completely rejuvenated list of default speakers in our heads. <u>This is how positive change happens</u>, and I'm proud to be at an organization playing part of that progress.

Just wanted to let y'all know, say thank you, and share the smile on my face.

@lisancao

#OSSummit has **by far been the most passionately inclusive conference** I have been to thus far. From washroom signs, to the abundance of diversity talks, and the people themselves- the commitment to changing the face of #tech has been unreal. I hope other conferences take note!

Chris • @tuba_man

Been sharing a lot of my #ossummit stuff with my friends and one of them who is just starting in STEM was **really happy to see the intentional inclusivity stuff** that was such a big part of the convention. Feels hella good to be part of that

Lauren Maffeo • @LaurenMaffeo

Attending and speaking at the #OSSummit has been **a huge breath of fresh air.** From stickers for preferred pronouns and nursing rooms/childcare to having a packed room for yesterday's panel about the role of allies in #DiversityandInclusion, **@linuxfoundation kills it.**

THIS WAS MY FIRST TIME - I WAS SO GLAD TO SEE HOW WELL ROUNDED THE TOPICS WERE THROUGH THE WEEK. NOT JUST TECH BUT INCLUSIVITY AND DIVERSITY WERE DISCUSSED. THANK YOU FOR THE OPPORTUNITY.

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Better Allies™ @betteralies



To be inclusive at our events, I'll borrow these ideas from **#ossummit**:

Nursing Room Complimentary childcare Venue Accessibility Quiet Room All-Gender Restrooms Communication Stickers Pronoun Stickers

#Allyship #InclusionMatters

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sujata tibrewala @sujatatibre Now this is what linux foundation does to encourage diversity. Scholarship recipients from Ifn to attend #ONS2018

10:14 AM - 27 Sep 2018

Jim St. Leger

Thanks to The @LinuxFoundation for

inclusion in #opensource software

communities. #ONS2018

supporting and encouraging diversity and

@JimStLeger

Mentorships



Mentorships

Events can both be and create mentorship opportunities

- 1. Speed Mentoring Programs & Small Group Interactions onsite at events
- 2. LF Live Mentorship Series created in 2020 to help provide interactive speed-mentorship style discussions to anyone.
 - Goal that this will help increase diverse applicant pool to the LFX mentorship program and to begin making more and more people feel included in open source
 - 21 sessions since Oct 2020, over 5300 registrations
- 3. LFX Mentorship Program
- 4. LFX Mentorship Program Mentee Showcase launching in December

Wrap-up



Final Thoughts

- 1. Diversity begets Diversity
- 2. Virtual Events have a clear geographic impact
 - Other areas are hard to trend right now
- 3. Event D&I Initiatives have an impact
- 4. Speaker Diversity has an impact
- 5. You can't fix what you aren't tracking
- 6. All types of mentorship and helping to pull people 'in' and 'up' help

Thank you! Questions?

