



# CHA OSScon Europe 2020

start: 9:30

We thank our sponsors:



#CHAOSScon

CHAOSS

Welcome to  
**CHAOSScon Europe 2020**

**The State of CHAOSS**

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**Georg Link**  
@georglink



*“Without data, you are just  
another person with an opinion”*

W. Edwards Deming

# CHAOSScon Diversity



12

Diversity Access  
Tickets (requested)

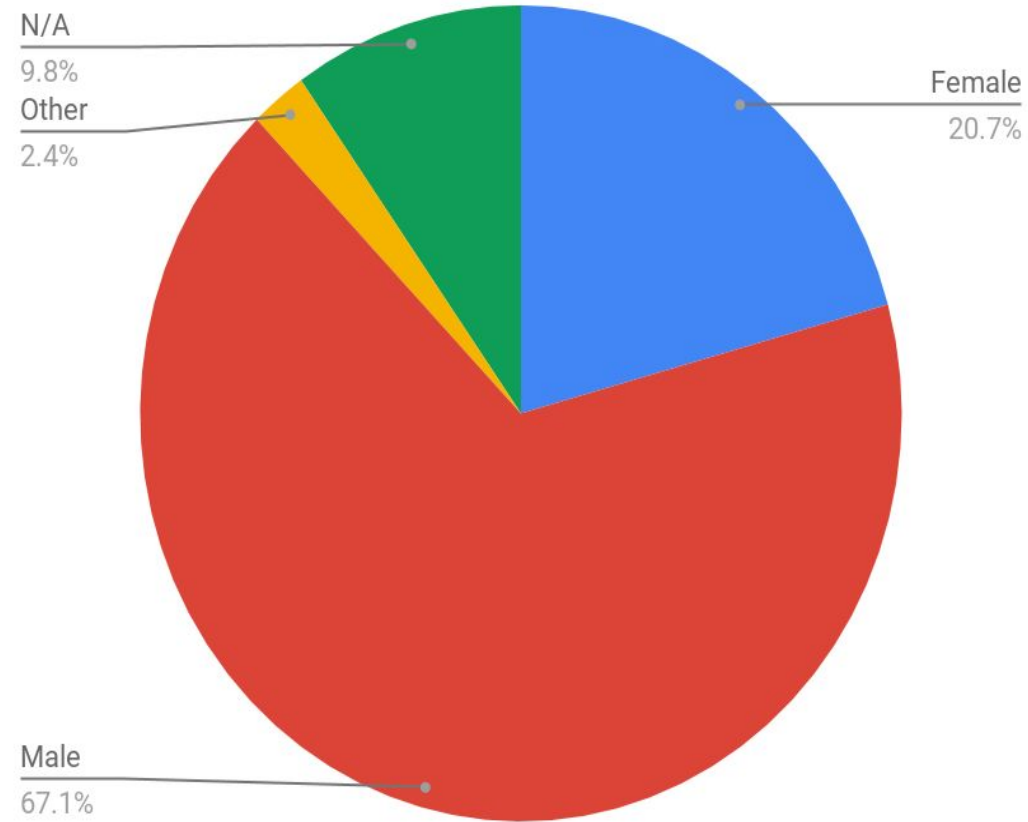
2

Diversity Access  
Tickets (confirmed)

Yes

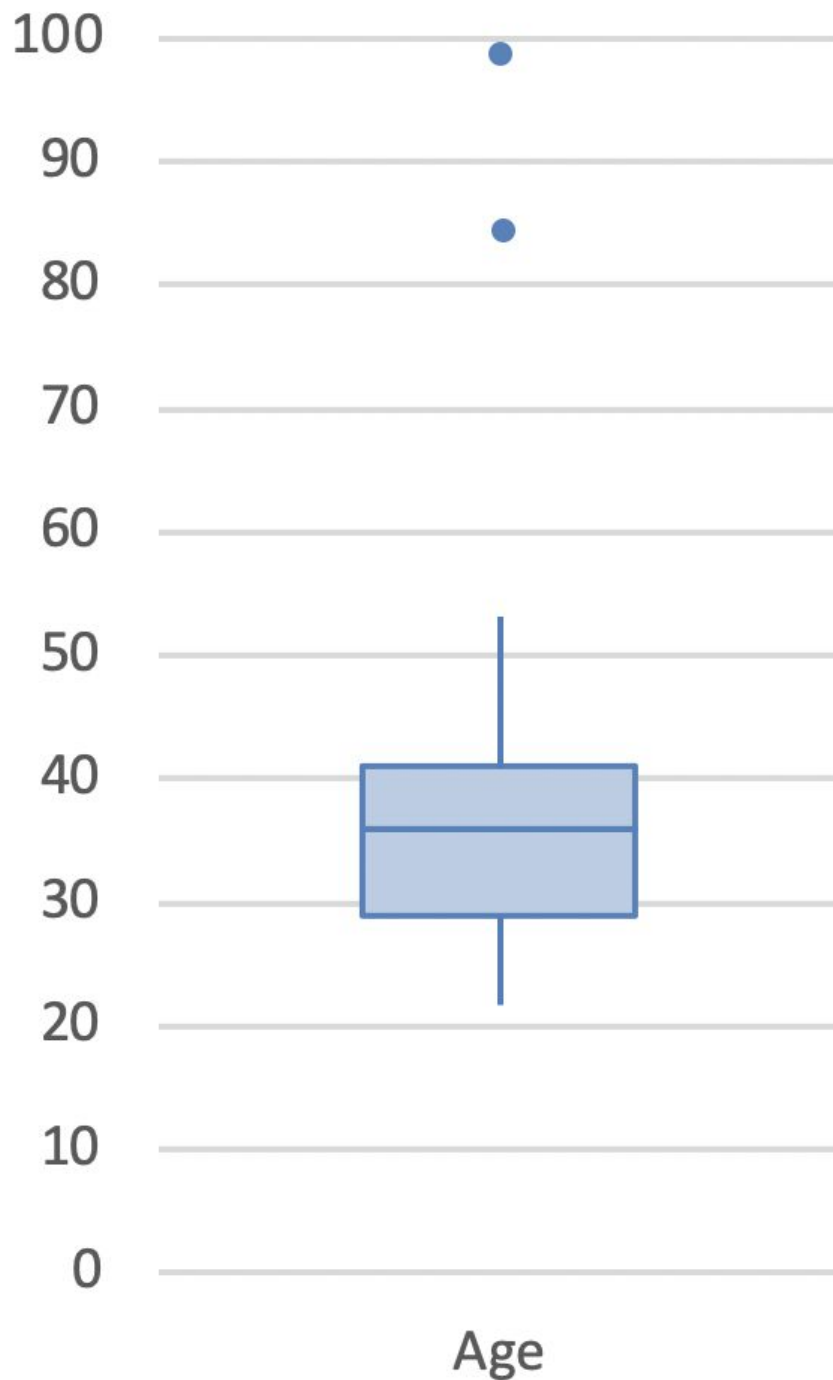
Code of Conduct at  
Event

# Gender Diversity



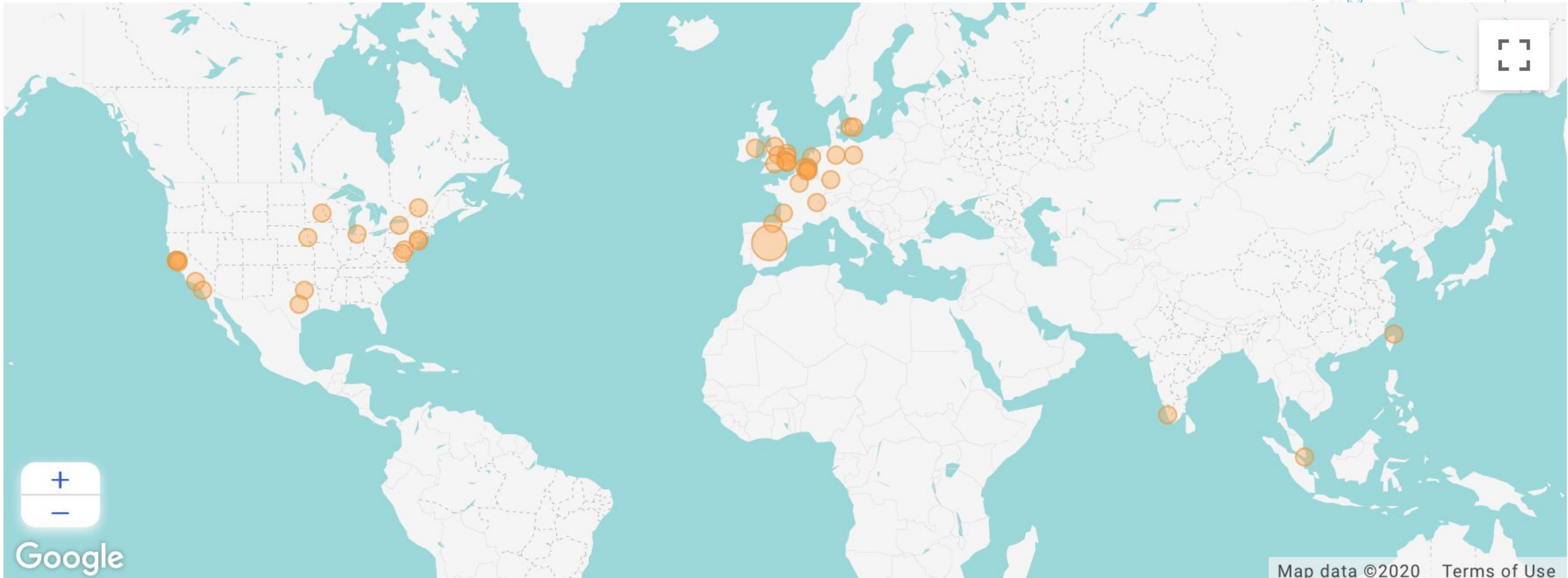
# Age Diversity

45 responses





# Geographic Diversity



# Job Title Diversity





# Silver Sponsors



# Bronze Sponsor



# Helping track the health of projects...



How can we know if this open source project is likely to be around in 10 years if we base a product on it?

How can we know if this open source project is ready to be used by another project?

Is there a diverse community of active contributors engaged in the project?

Are there licensing risks in using this open source project?

What is the health of the other projects that this project depends on?

# My definition of “Project Health”

Open source project health is the potential that a project will continue developing quality software.



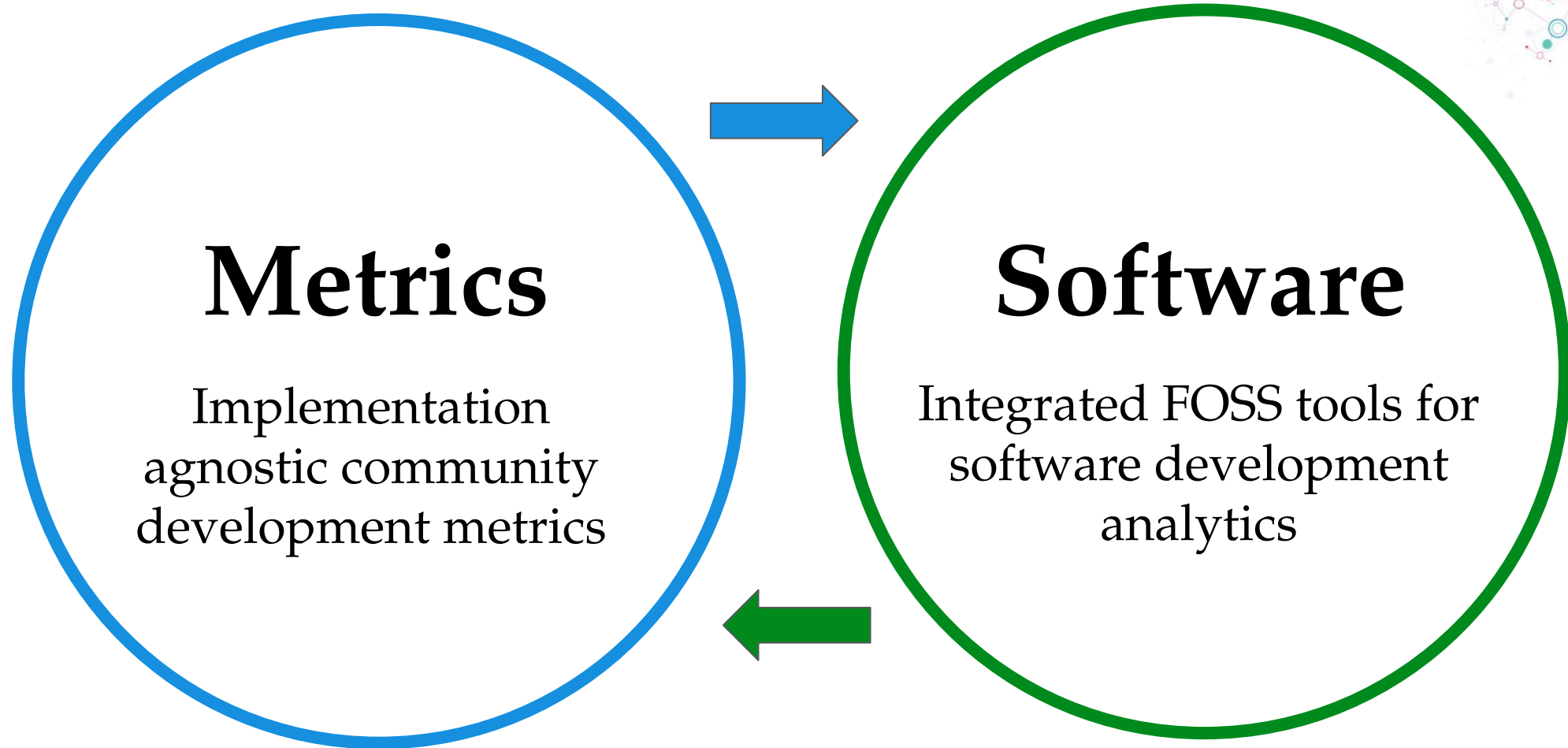
# Mission



Establish implementation-agnostic metrics for measuring community activity, contributions, and health.

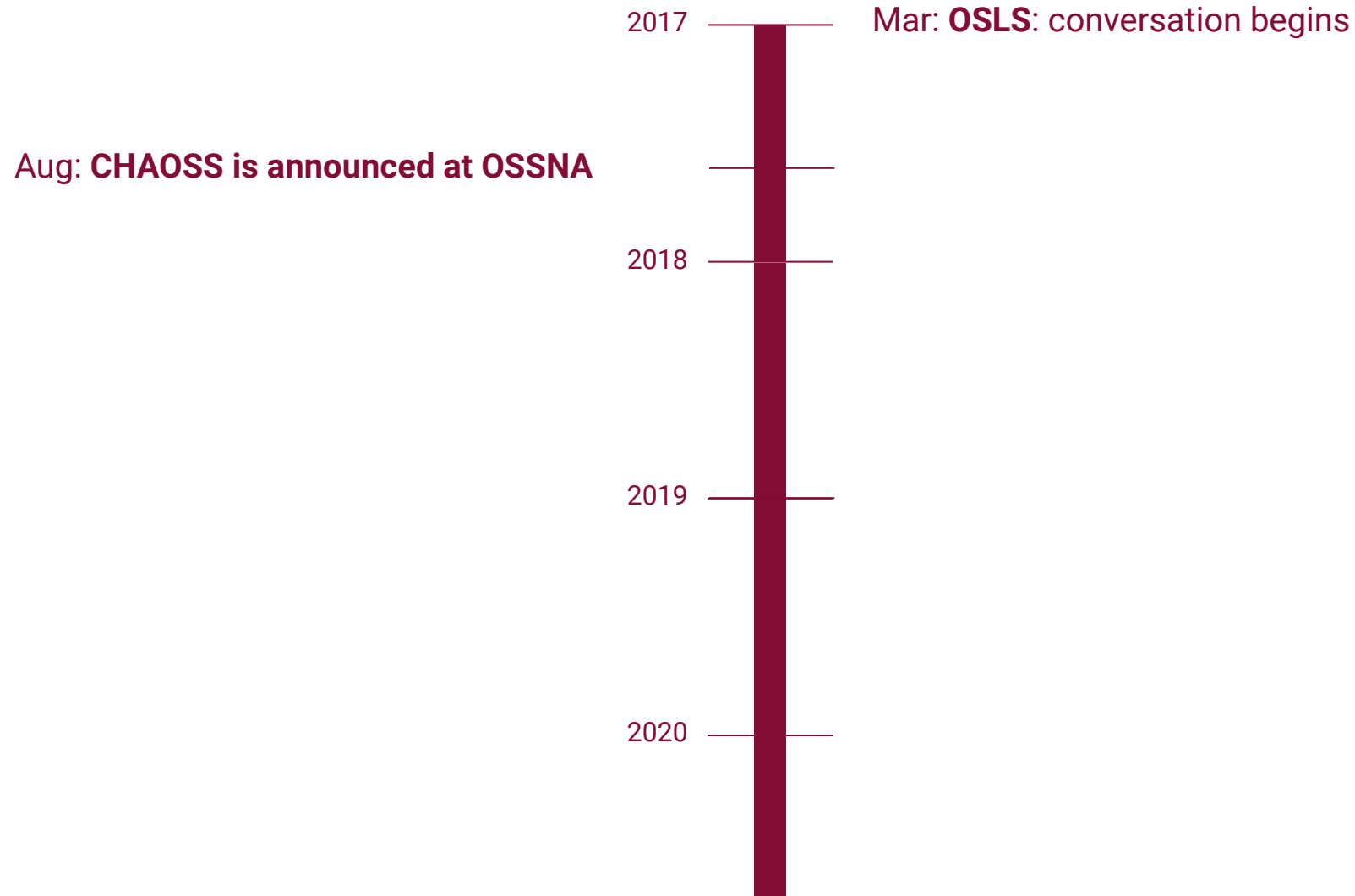
Produce integrated, open source software for analyzing software development in terms of these metrics.

# Structure: Focus Around Interests

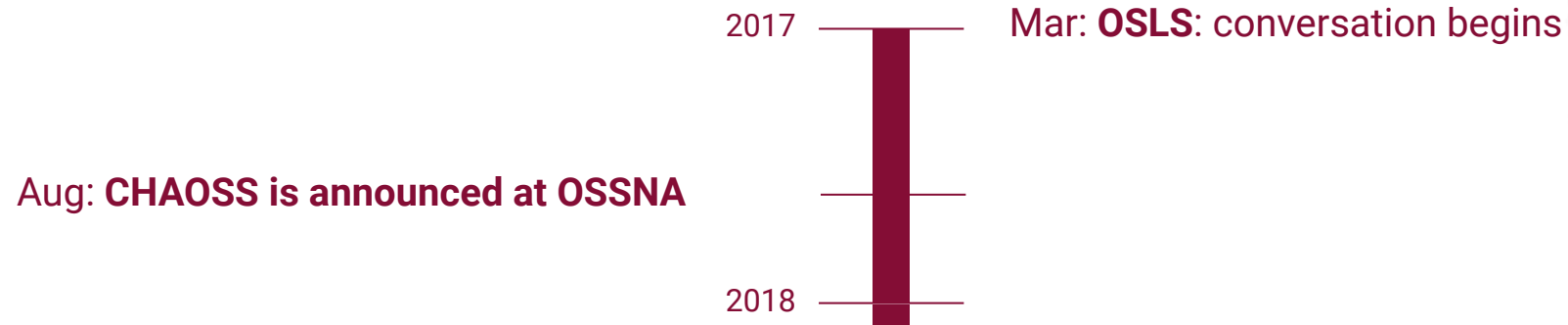




# History of CHAOSS



# History of CHAOSS



Augur



Cregit



GrimoireLab



Prospector



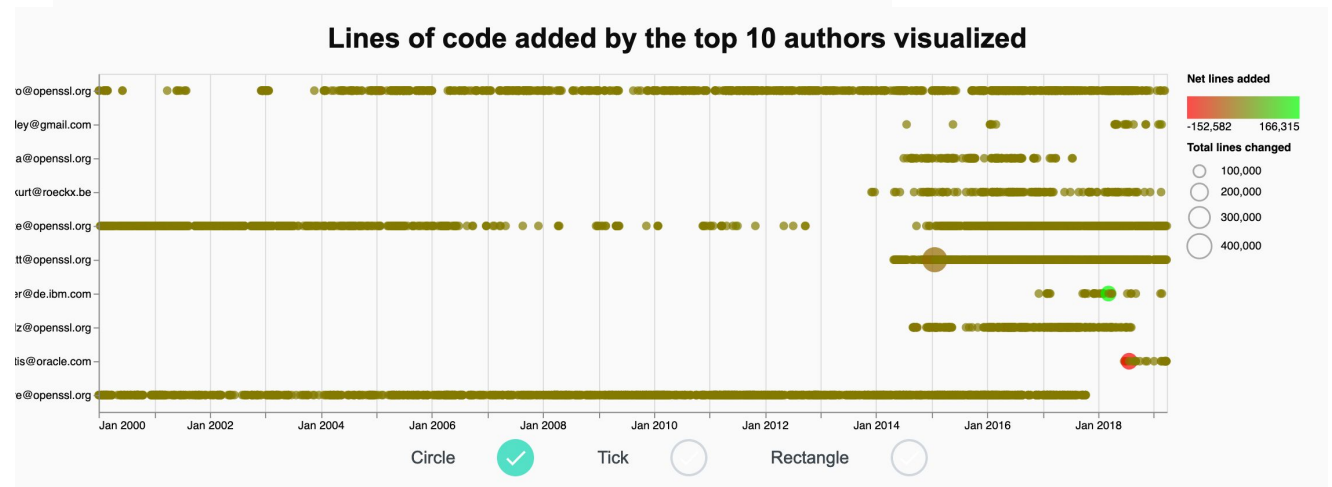
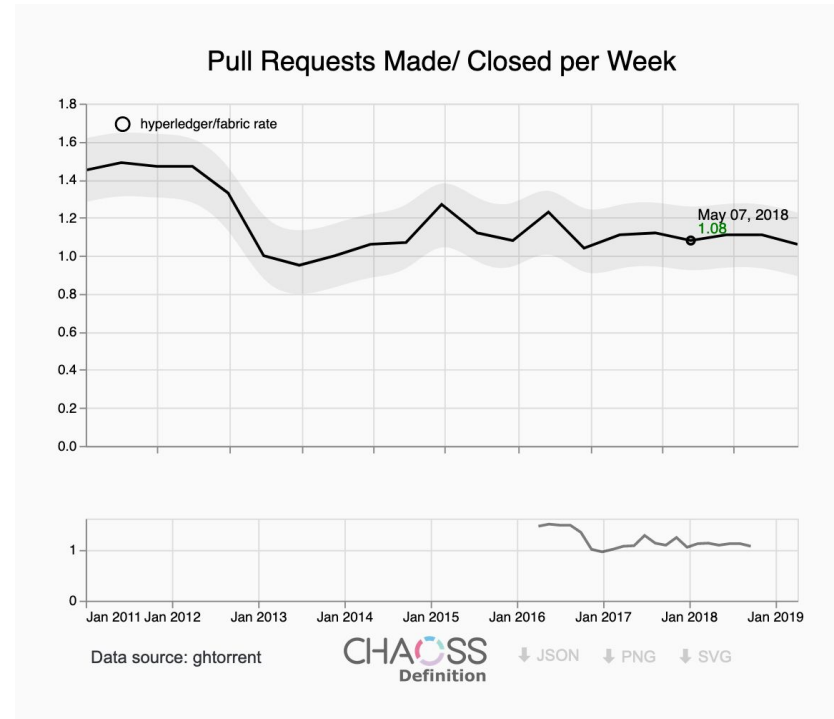
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- Prototyping Metrics
- Enabling Comparisons
- Making Trends Central to the Use Experience



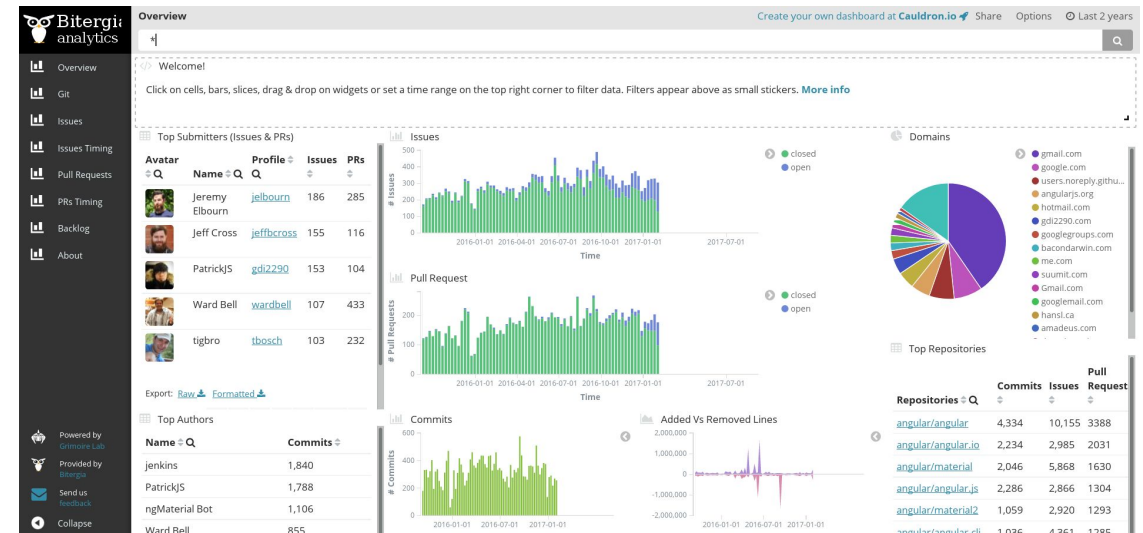


- Git-blame tracks changed lines, not tokens
  - Last person who modified part of a line, becomes “contributor” of the entire line
  - Cregit is capable of tracking the contributor of each token in a line
- Used for Linux Kernel ([cregit.linuxsources.org](https://cregit.linuxsources.org))

[github.com/cregit](https://github.com/cregit)



- Retrieval from 30+ data sources
- Storage of all metadata
- Visualization
- Reports



[github.com/chaoss/grimoirelab](https://github.com/chaoss/grimoirelab)



# History of CHAOSS



Aug: **CHAOSS** is announced at OSSNA

Feb: **CHAOSScon Europe 2018**

Aug: **CHAOSScon NA 2018**

Feb: **CHAOSScon Europe 2019**

Aug: **CHAOSScon NA 2019**

TODAY: **CHAOSScon Europe 2020**

2017

Mar: **OSLS**: conversation begins

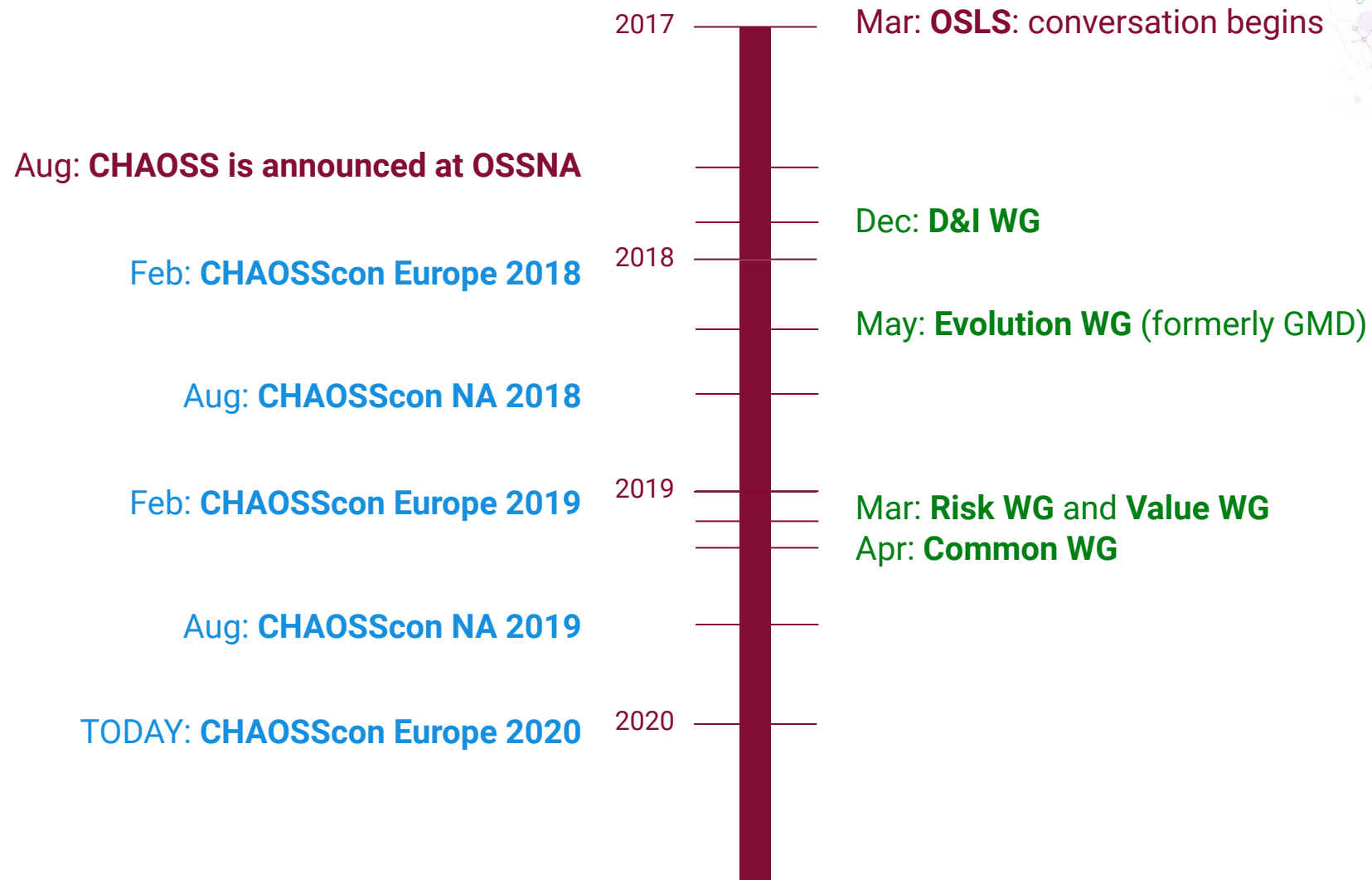
2018

2019

2020



# History of CHAOSS



# Structure: Working Groups for Metrics



*Diversity and Inclusion* are known to challenge unchecked assumptions and lead to more open and fair collaboration practices.

An OSS community goes through stages of *Evolution*. The state that a community is in may prove important when evaluating both across and within community concerns.

The *Risk* metric informs how much risk an OSS community might carry or pose. The evaluation of risk depends on situation and purpose.

Developers and organizations capture *Value* from engaging in OSS communities. This set of metrics can inform what this value is.

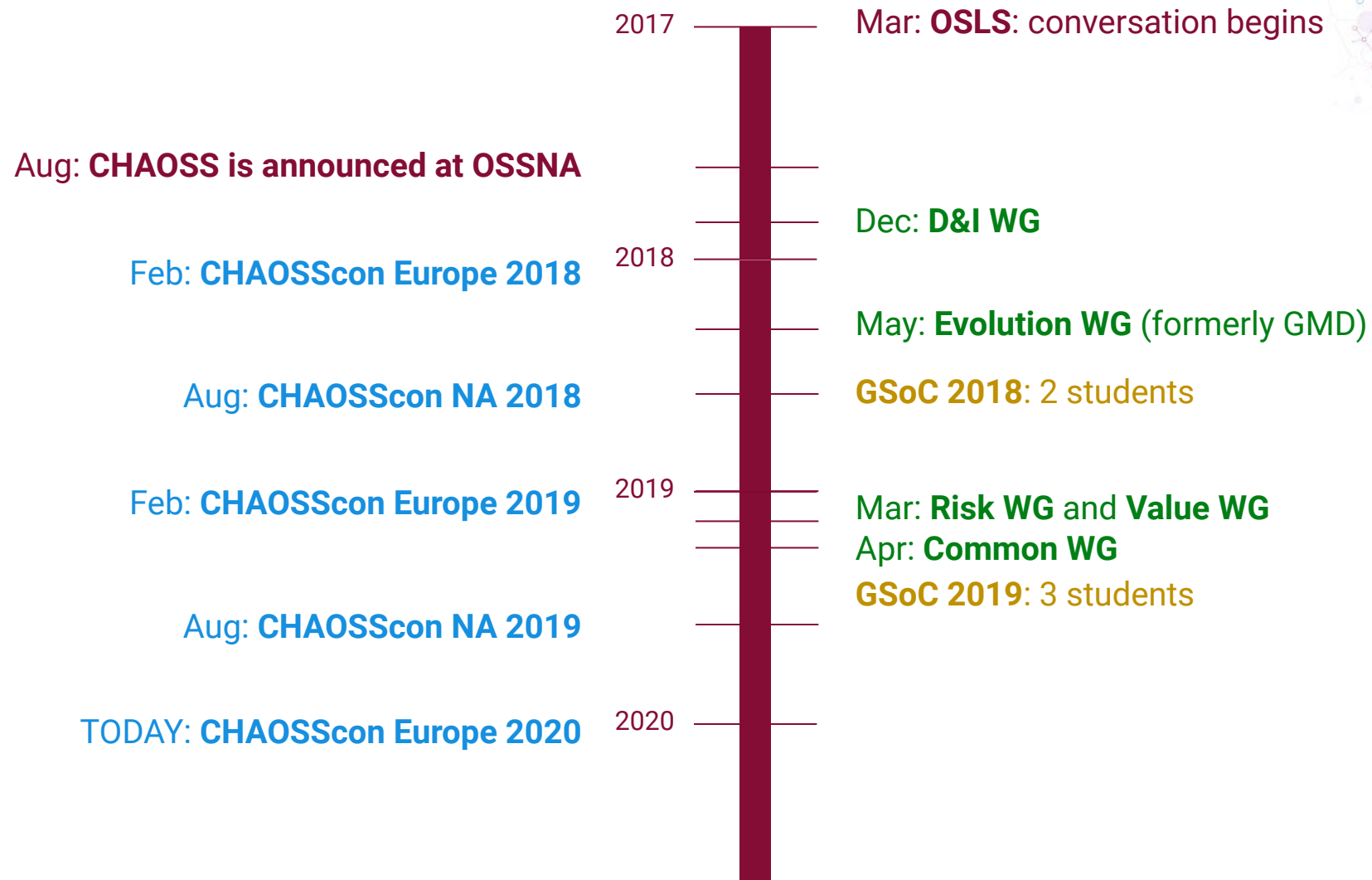
# Working in an Open Community...



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# History of CHAOSS





# Mentorships: Google Summer of Code & Outreachy



GSoC 2018 - 2 students, both successful

GSoC 2019 - 3 students, all successful

Looking for mentors now:

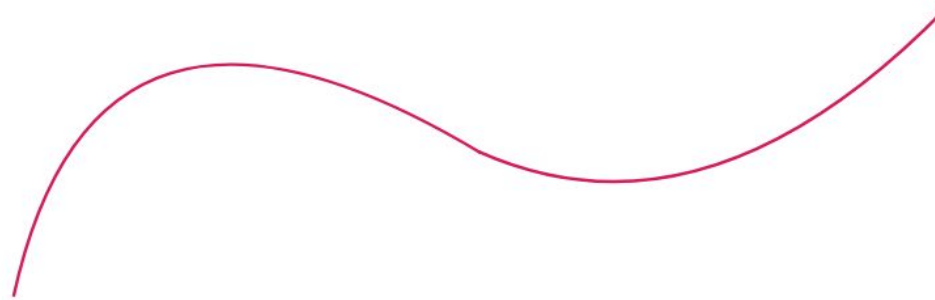
- GSoC 2020
- Outreachy 2020



Move off zero

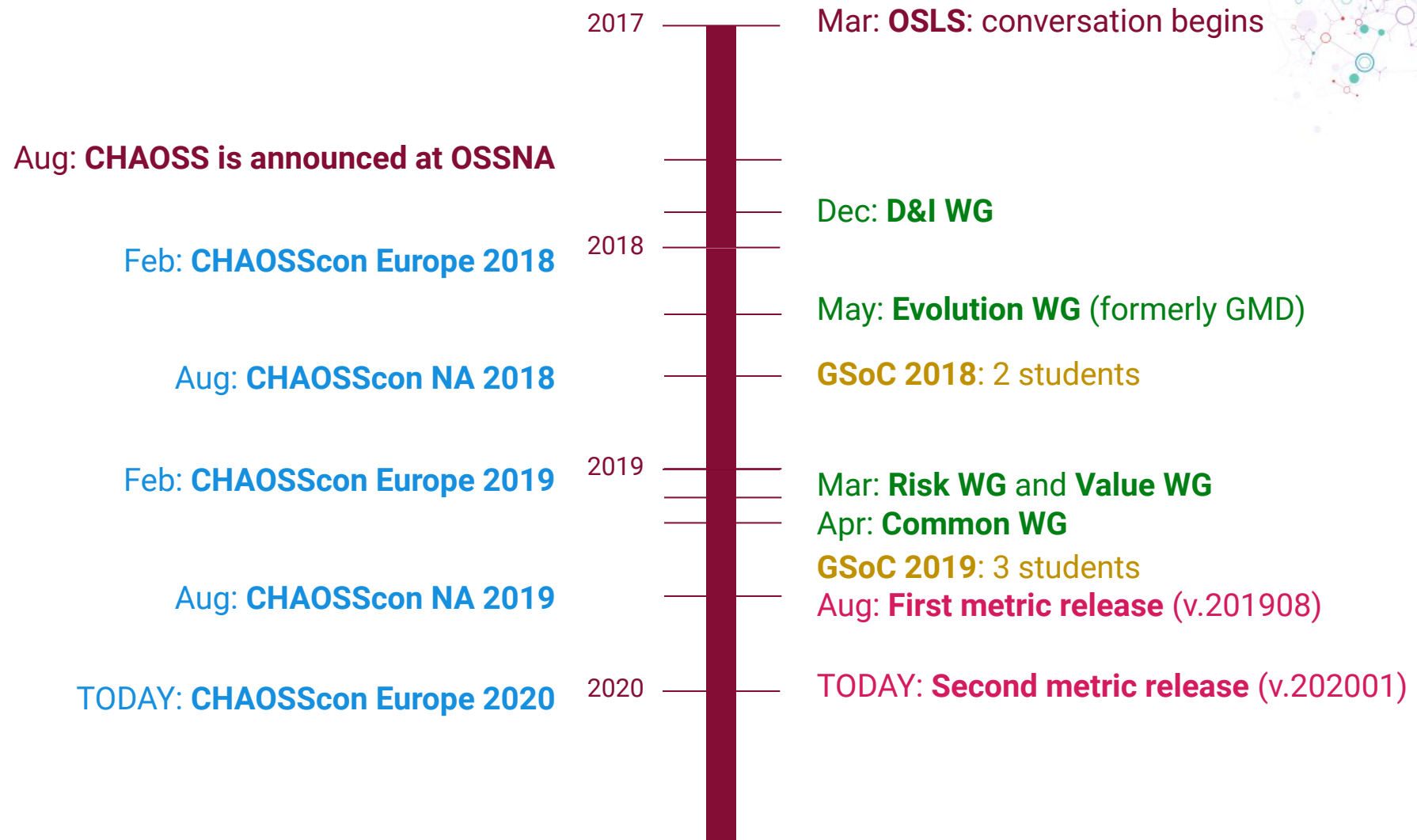


Move off zero



It's not fast

# History of CHAOSS



# Announcement: Release 202001



5

Working Groups

16

Focus Areas

39

Metrics

130+

Contributors



# Collaborations and Impact



- ASF Community Survey 2020
- Linux Foundation Events
- Community Reports
- Harvard Open Source Software Health Index Project
- Mozilla Code of Conduct Assessment Tool
- OSI, SPDX, CII

# Today

- Pictures and Video
- Pronoun Stickers
- Code of Conduct
- Questions = Love
- Slides are online
- Restrooms
- Schedule
  - Lightning Talks
  - Lunch and Coffee



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