CHAOScon Europe 2020
start: 9:30

We thank our sponsors:
Welcome to CHA OSScon Europe 2020

The State of CHA OSS

Georg Link @georglink
“Without data, you are just another person with an opinion”

W. Edwards Deming
CHA OSScon Diversity

12
Diversity Access Tickets (requested)

2
Diversity Access Tickets (confirmed)

Yes
Code of Conduct at Event
Gender Diversity

- Male: 67.1%
- Female: 20.7%
- Other: 2.4%
- N/A: 9.8%
Age Diversity

45 responses
Geographic Diversity
Job Title Diversity
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

Metrics
Implementation agnostic community development metrics

Software
Integrated FOSS tools for software development analytics
History of CHA OSS

Aug: CHA OSS is announced at OSSNA

Mar: OSLS: conversation begins
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Augur
Cregit
GrimoireLab
Prospector

#CHA OSScon
Prototyping Metrics
Enabling Comparisons
Making Trends Central to the Use Experience

github.com/chaoss/augur

#CHAOSScon
• 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.linux sources.org](https://cregit.linuxsources.org))
- Retrieval from 30+ data sources
- Storage of all metadata
- Visualization
- Reports

github.com/chaoss/grimoirelab
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TODAY: CHA OSScon Europe 2020

#CHA OSScon
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Mar: OSLS: conversation begins

Dec: D&I WG

May: Evolution WG (formerly GMD)

Mar: Risk WG and Value WG

Apr: Common WG

#CHAOSScon
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...
History of CHAOSS

- **2017**: Mar: OSLS: conversation begins

- **2018**: Mar: Risk WG and Value WG
  - Feb: CHAOSScon Europe 2018
  - Aug: CHAOSScon NA 2018
  - May: Evolution WG (formerly GMD)
  - GSoC 2018: 2 students

- **2019**: Feb: CHAOSScon Europe 2019
  - Aug: CHAOSScon NA 2019
  - Mar: Risk WG and Value WG
  - Apr: Common WG
  - GSoC 2019: 3 students

- **2020**: TODAY: CHAOSScon Europe 2020

#CHAOSScon

Georg Link @georglink
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

- **2017**
  - Mar: **OSLS**: conversation begins

- **2018**
  - Feb: **CHA OSScon Europe 2018**
  - Aug: **CHA OSScon NA 2018**

- **2019**
  - Feb: **CHA OSScon Europe 2019**
  - Aug: **CHA OSScon NA 2019**
  - Mar: **Risk WG and Value WG**
  - Apr: **Common WG**
  - GSoC 2018: 2 students
  - GSoC 2019: 3 students
  - Aug: **First metric release (v.201908)**

- **2020**
  - TODAY: **CHA OSScon Europe 2020**
  - TODAY: **Second metric release (v.202001)**

- Aug: **CHA OSS is announced at OSSNA**

- Dec: **D&I WG**

- May: **Evolution WG (formerly GMD)**

- Georg Link
  - @georglink

- #CHA OSScon
Announcement: Release 202001

- Working Groups: 5
- Focus Areas: 16
- Metrics: 39
- Contributors: 130+

https://chaoss.community/metrics/
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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