Finding the Order Within CHAOS(S)

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CHAOSS

Open Infrastructure FOUNDATION

Slide template is from Slides Carnival

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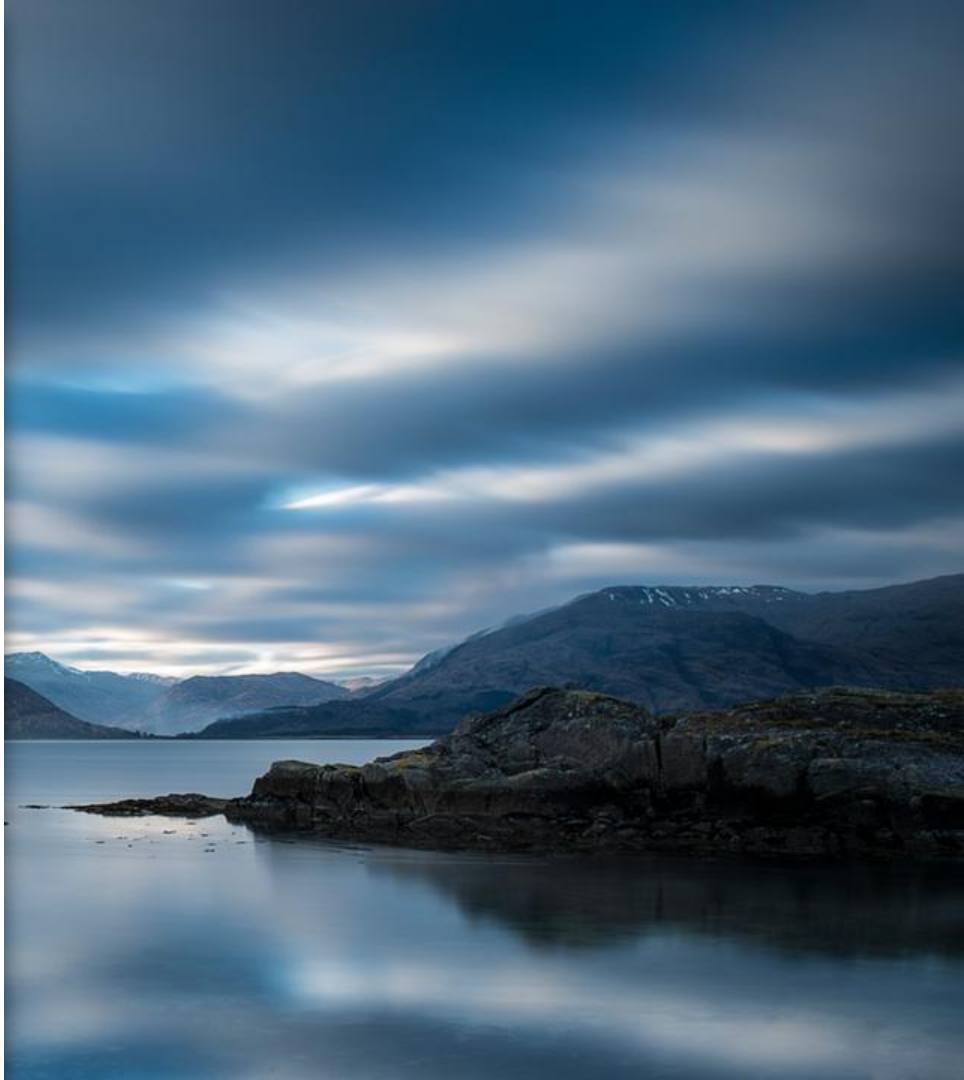
Agenda

1. *Open source communities - aims and challenges*
2. *Metrics - friends or enemies?*
3. *CHAOSS project overview*
4. *Case Studies - examples from OpenInfra communities*

Open Source Communities

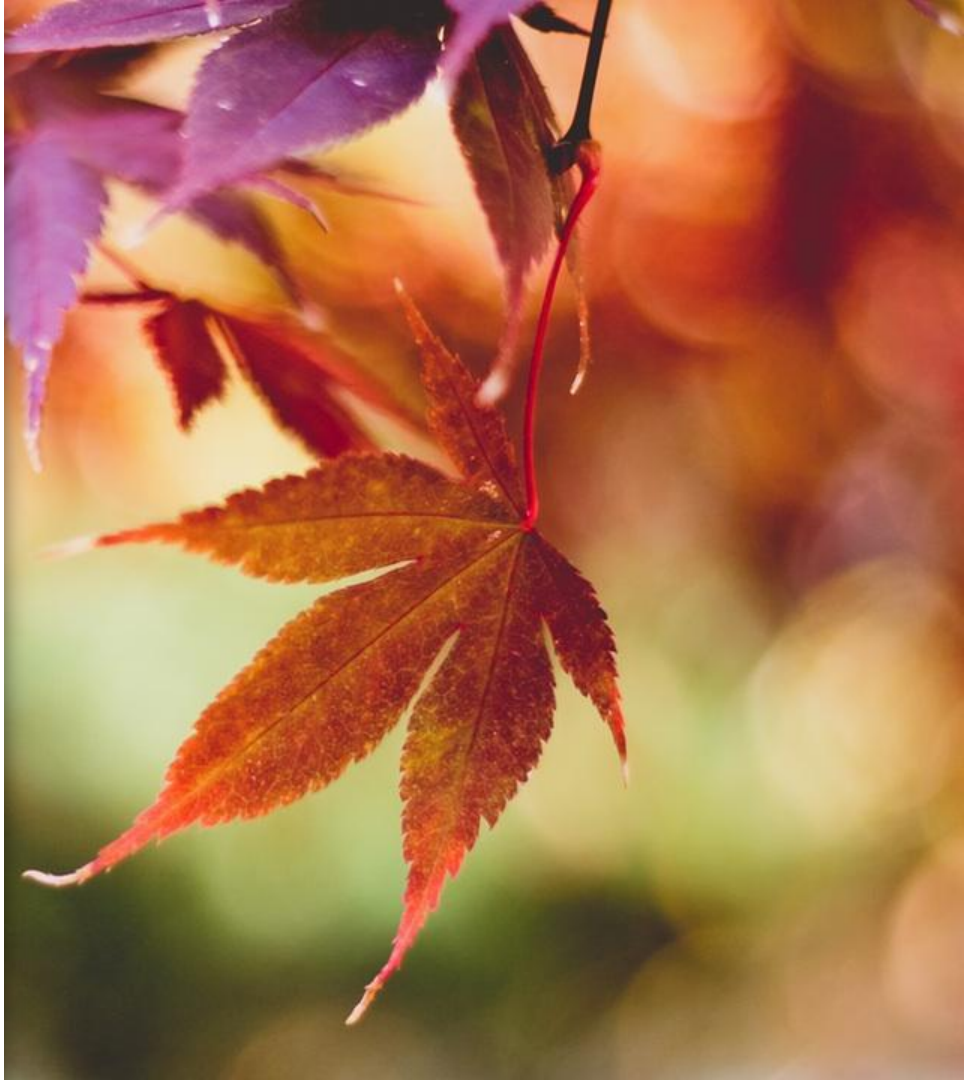
Aims and Challenges

Success



Sustainability

Growth



Burnout

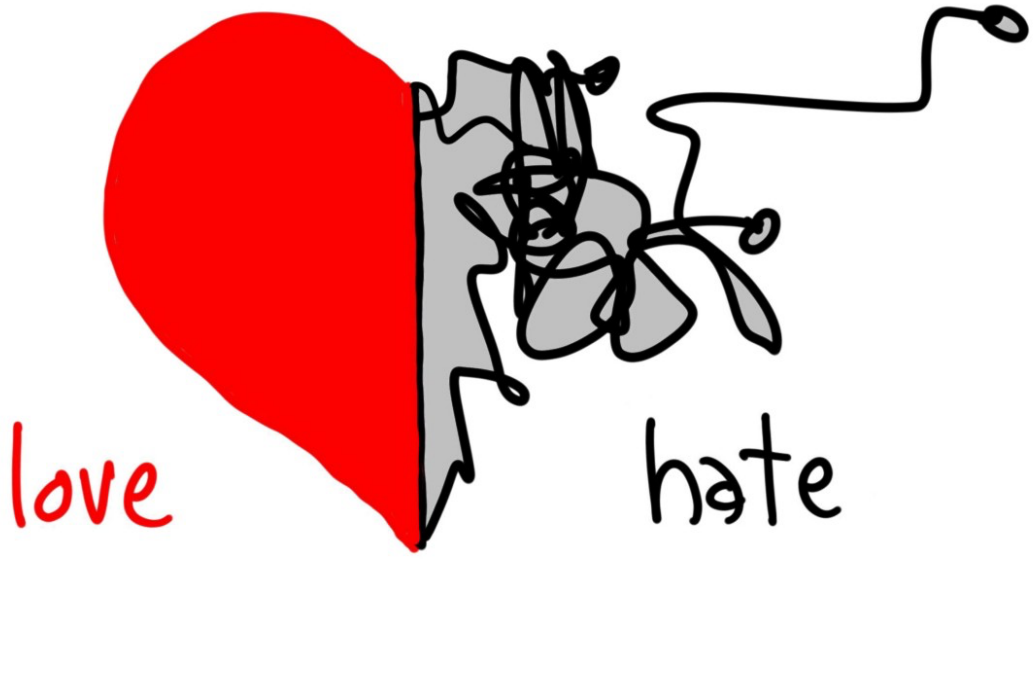
What is your aim?

What is your challenge?

Metrics

Friends or Enemies?

The Perception of Metrics



https://cdn-images-1.medium.com/max/1600/1*DyMkFmSYdgq-LPVK8j6Z5A.jpeg

Data vs Metrics

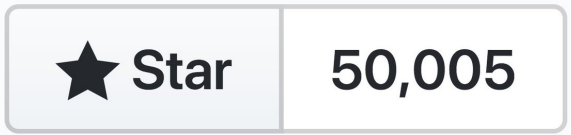
https://i.imgflip.com/c2c78.jpg

What’s Up With GitHub Stars?!

“If your project is not on GitHub it’s not open source”

“Your project is not in the top based on GitHub stars; why should I care?”

“Is contribution equal to PRs (pull requests) and issues?”



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CHAOSS Overview

CHAOSS Goals

Establish metrics and models for measuring open source community health

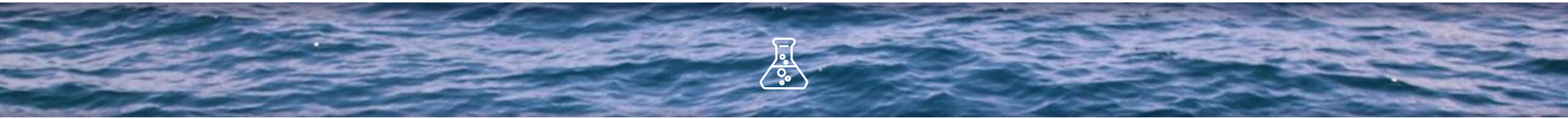
Produce open source software and initiatives for measuring community health

Develop programs for the deployment of metrics not attainable through trace data

Work with global partners to shape how we understand open source community health

https://chaoss.community/

CHAOSS Metrics

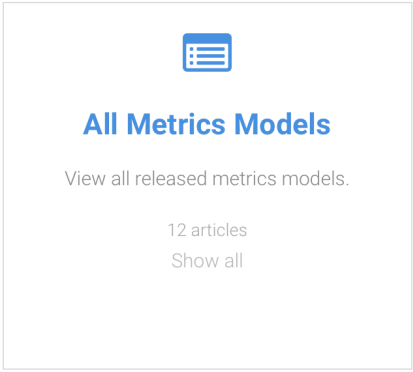


- Individual metrics
  - Covering community, contributions, ecosystem, and more
- Context and implementation
  - Always start with a question
  - Defining the metrics and its usage

https://chaoss.community/kb-metrics-and-metrics-models/

CHAOSS Metrics Models

- Putting context around a group of metrics and how to use them
  - Why it matters
  - Use cases
  - Metrics
  - Data insights, where available
- Investigate how the model performs on the identified use cases



https://chaoss.community/kb-metrics-and-metrics-models/

CHAOSS Software

GrimoireLab

Gather, analyze and visualize data of activity, community, and processes of open source projects. Data sources include tools in areas of Code Management, Issues, Code review, Mailing list and more

Augur

A software suite for collecting and measuring structured data about free and open-source software (FOSS) communities. Augur collects trace data from repositories, which it can then synthesize and provide metrics about the measured project.

https://chaoss.community/software/

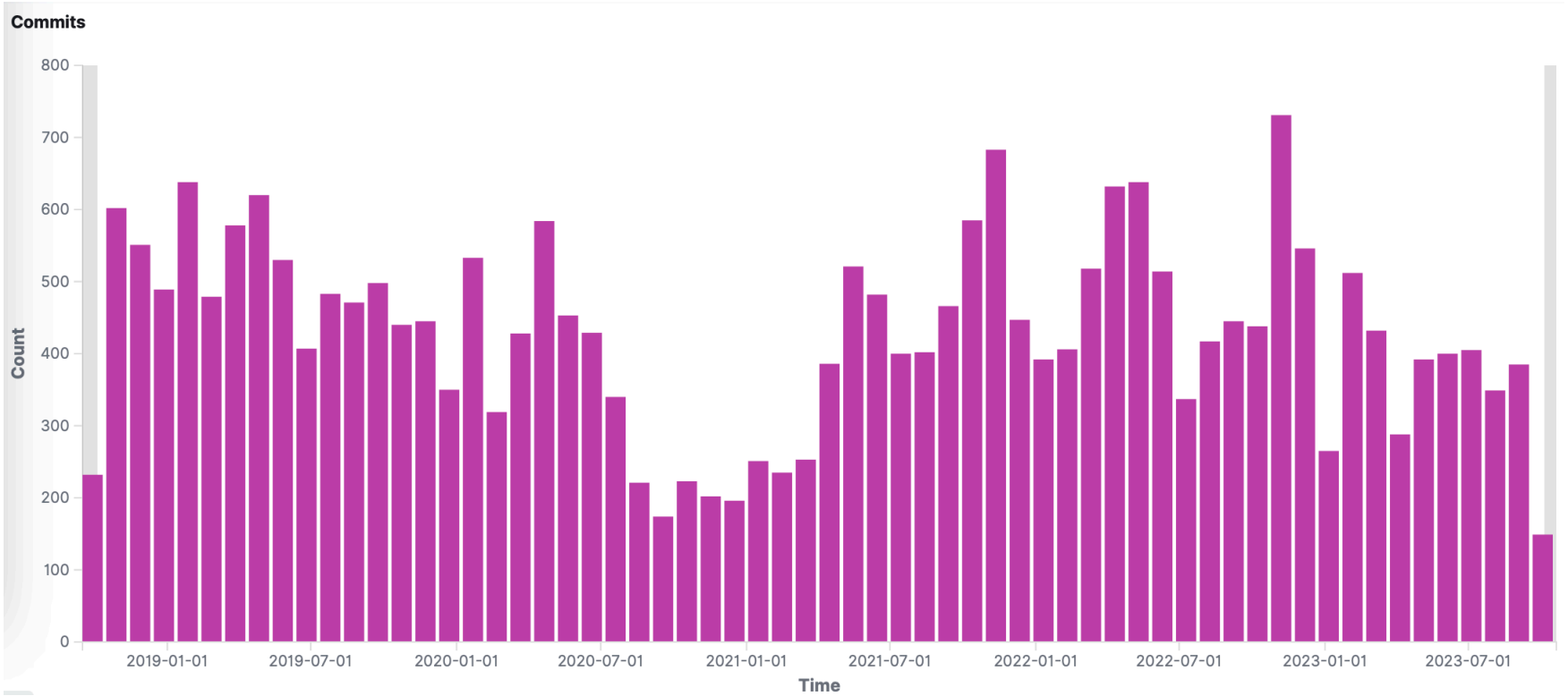
Case Studies

OpenInfra Examples

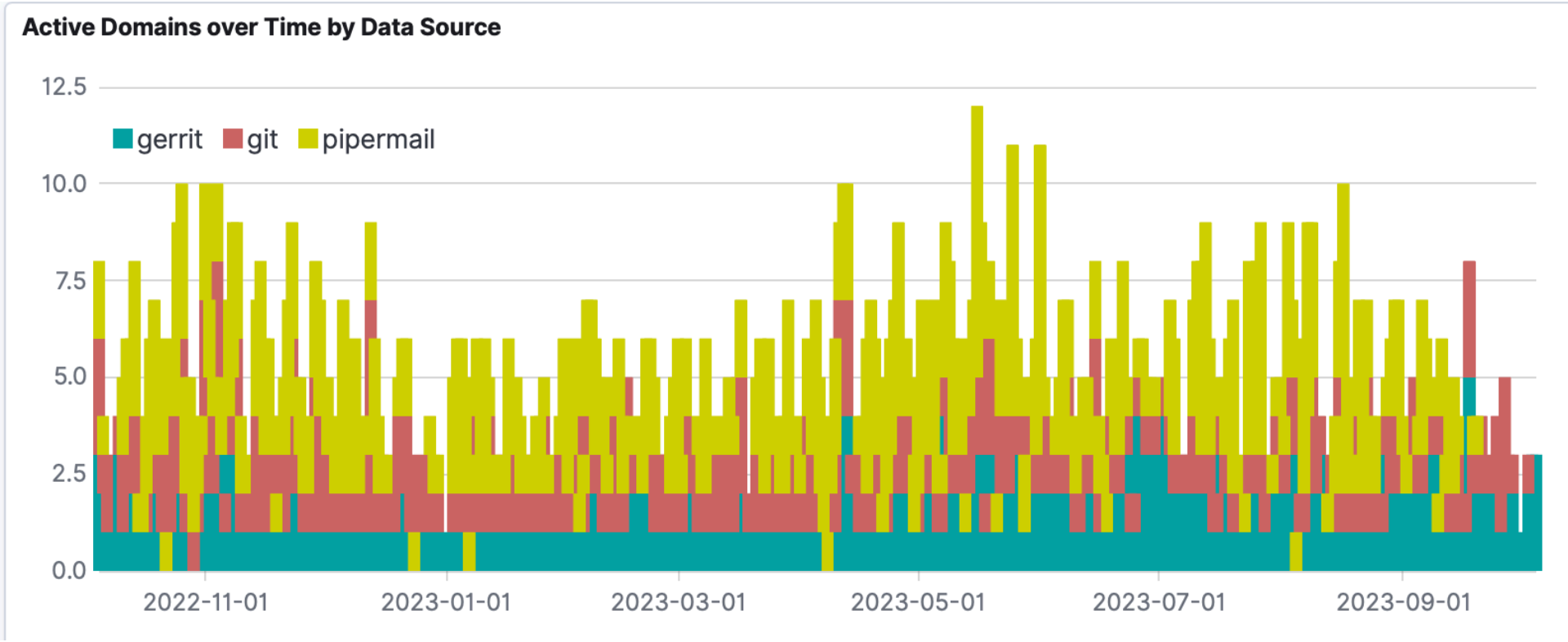
Open Infrastructure FOUNDATION

Bitergia

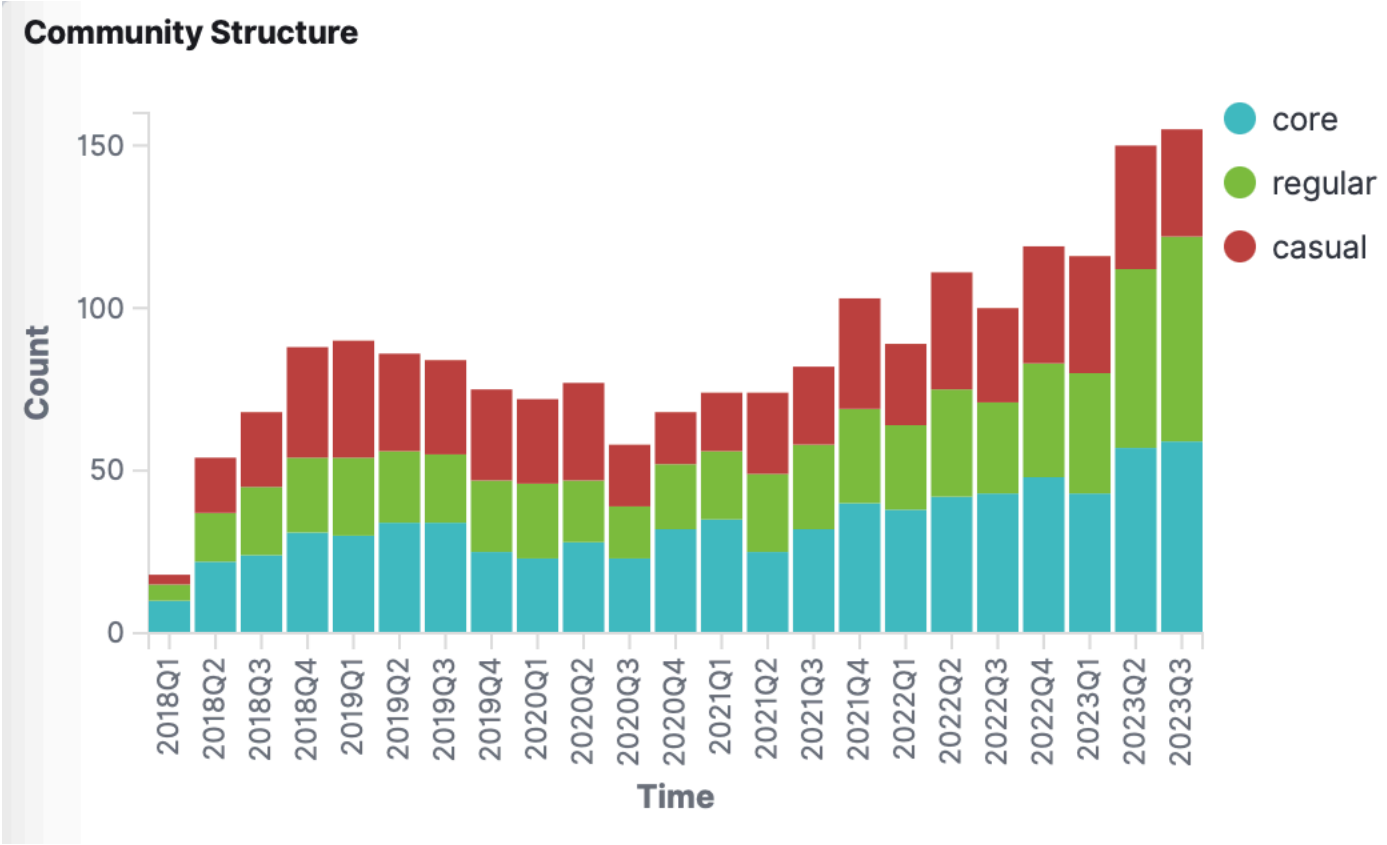
What happened in the middle?



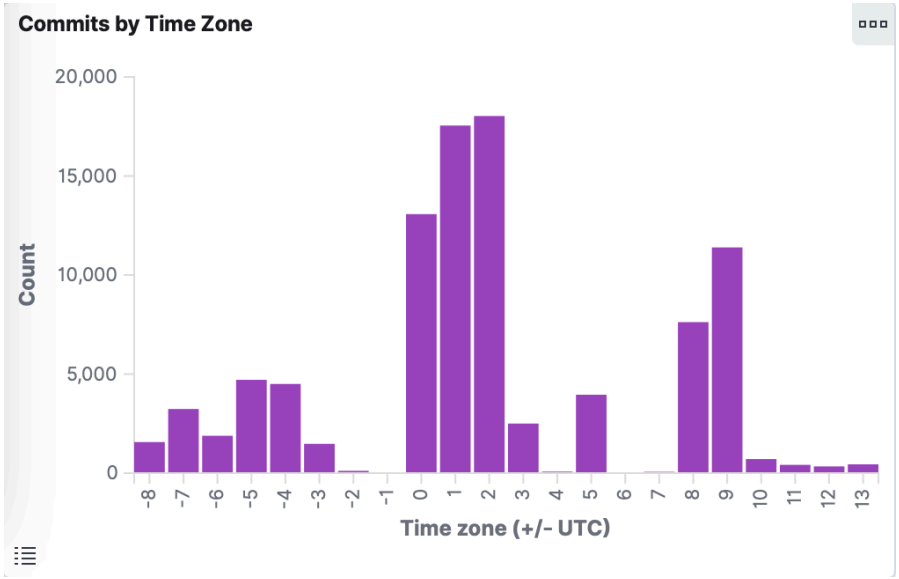
Where is the community most active?

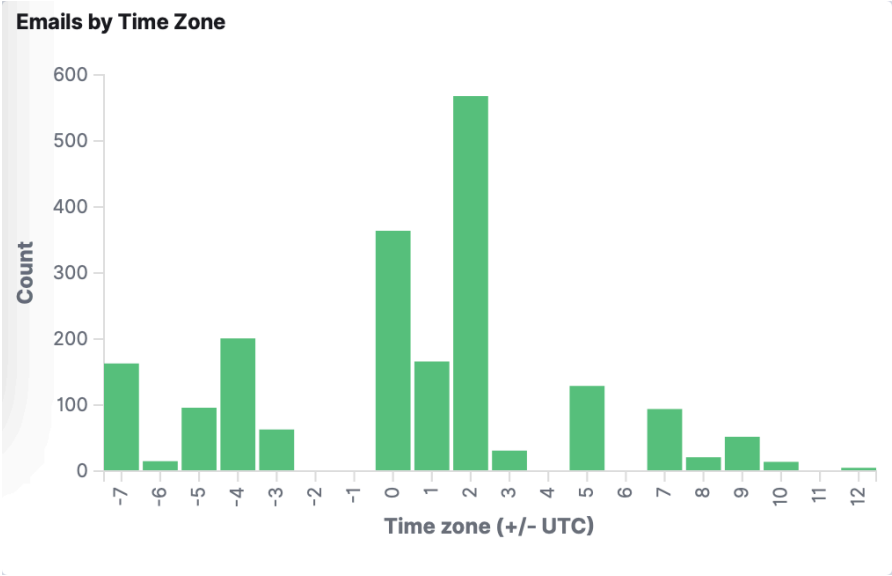


Community Structure

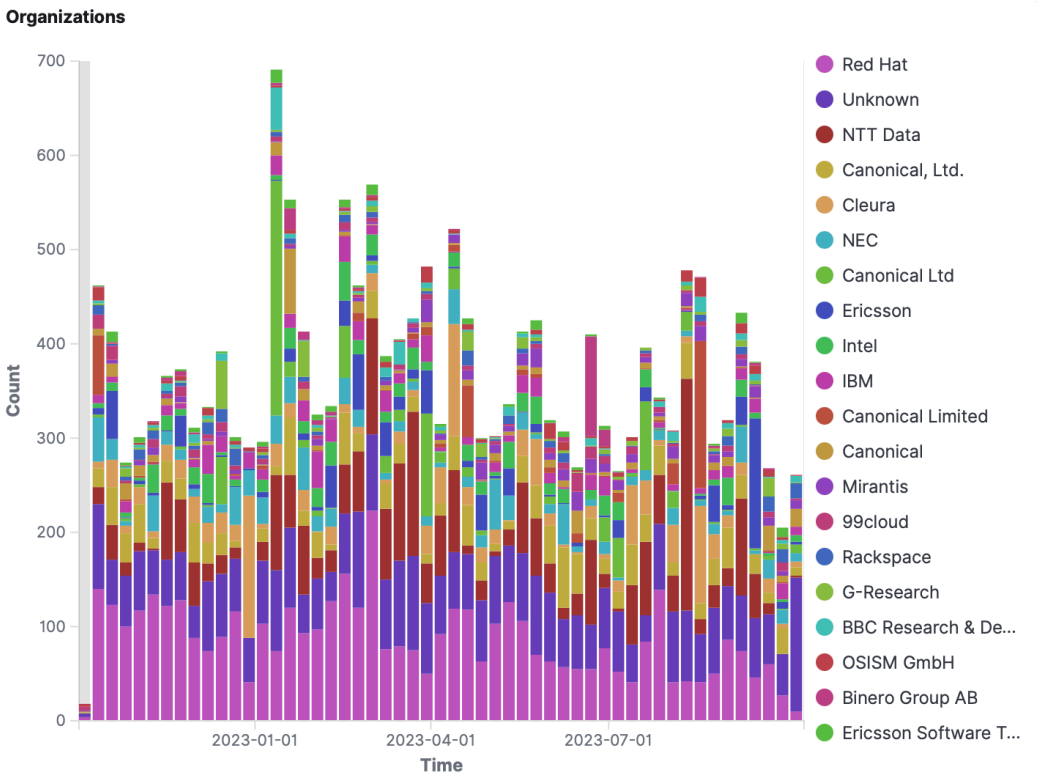


What time is it for you?

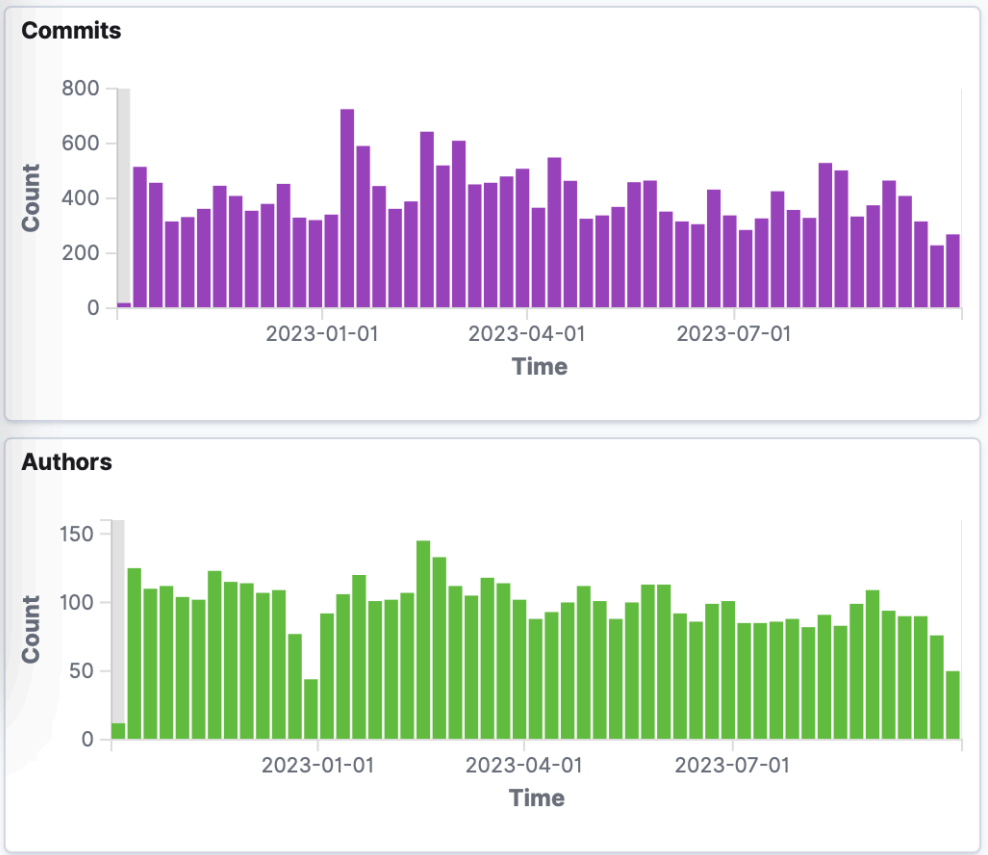




Organizational Diversity



Observe Trends Over Time Periods



Useful Resources

- CHAOSS Resources
  - Project website: https://chaoss.community/
  - Working groups: https://chaoss.community/kb/working-groups/
  - How to get started: https://chaoss.community/kb-getting-started/
  - Metrics and metrics models: https://chaoss.community/kb-metrics-and-metrics-models/
- The Open Source Way: https://www.theopensourceway.org/the_open_source_way-guidebook-2.0.html

Thank you!

Questions?