


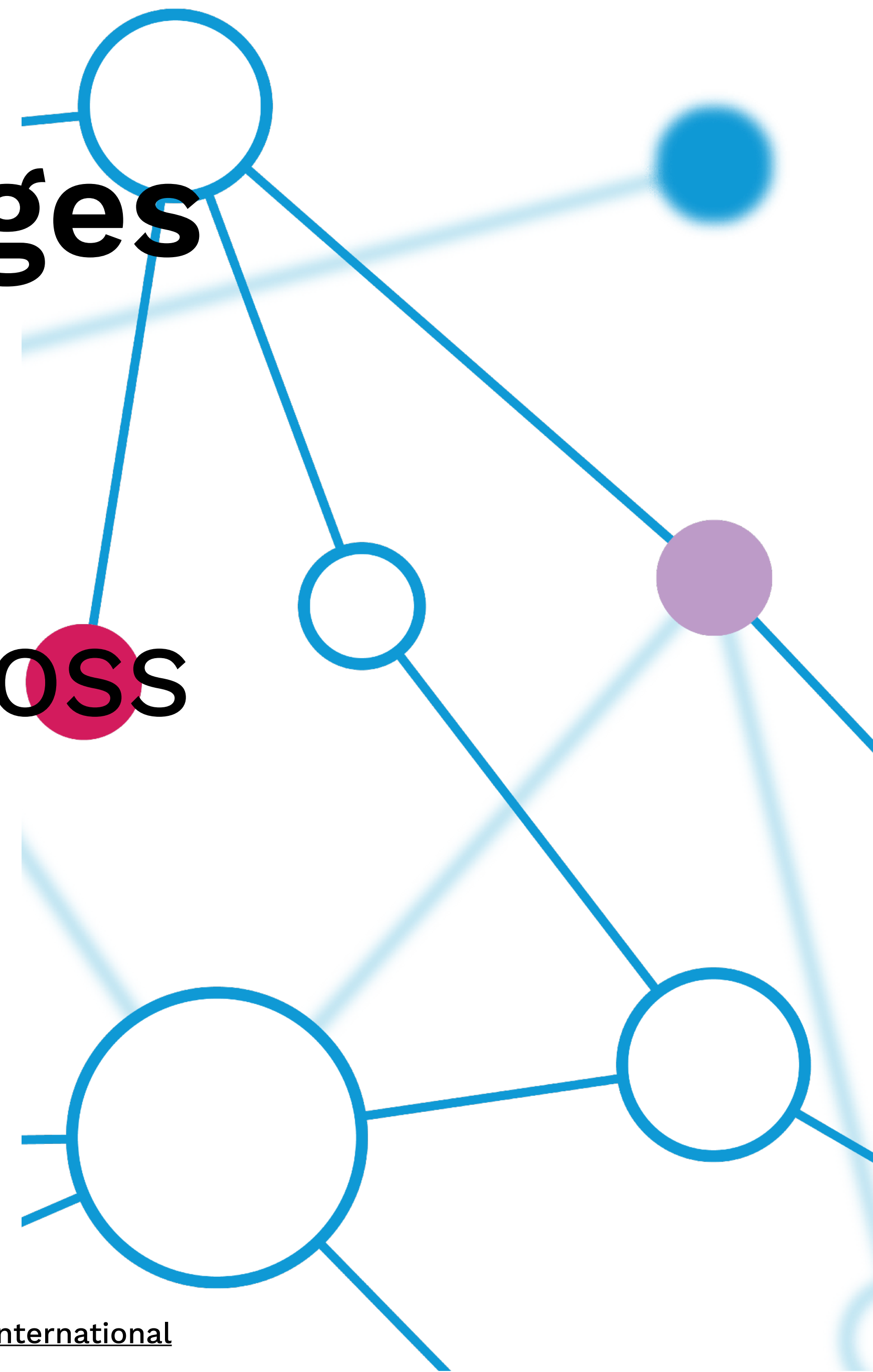


Understanding Challenges Survey Results

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Key Takeaways

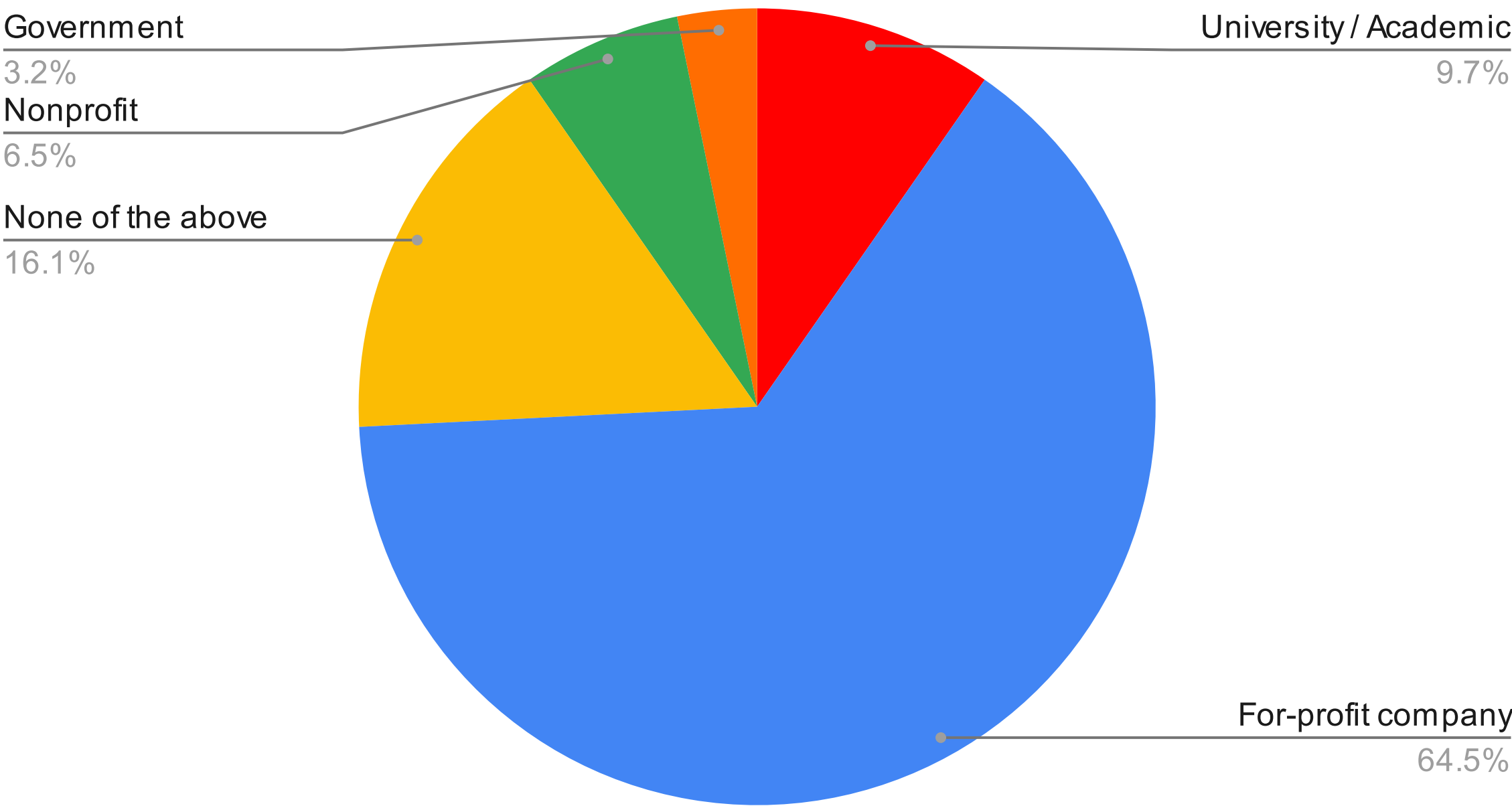
- **Installing our software continues to be the biggest challenge**
- **Finding data and drawing insights from the data are also top challenges**
- **OSPPOs continue to be important users of CHAOSS tools with many using both tools**

Demographics and Sample Size

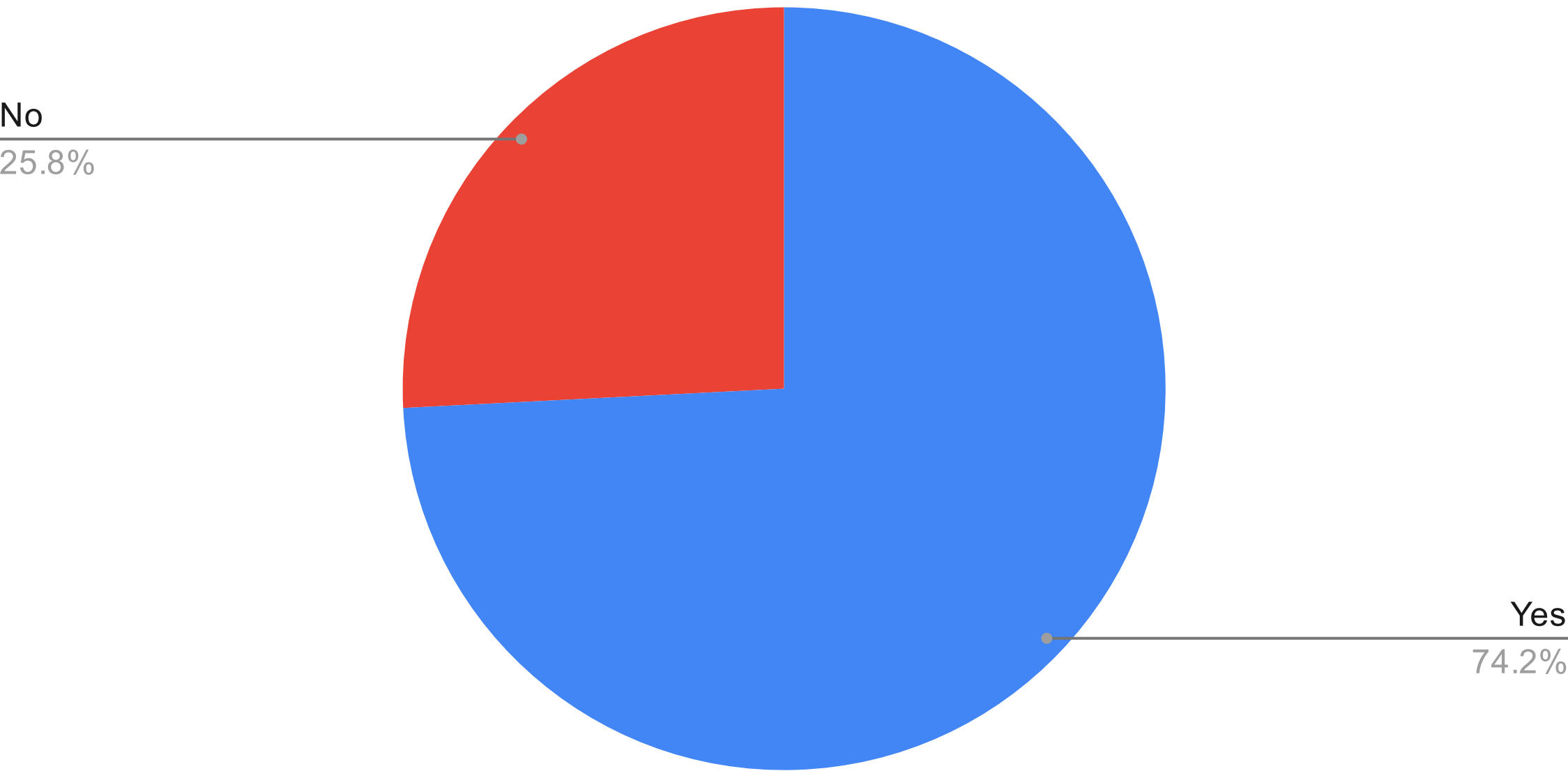
- **31 People Completed the Survey**
- **26 of those people have used CHAOSS tools**

Demographics - Organizations

What type of organization do you work for?

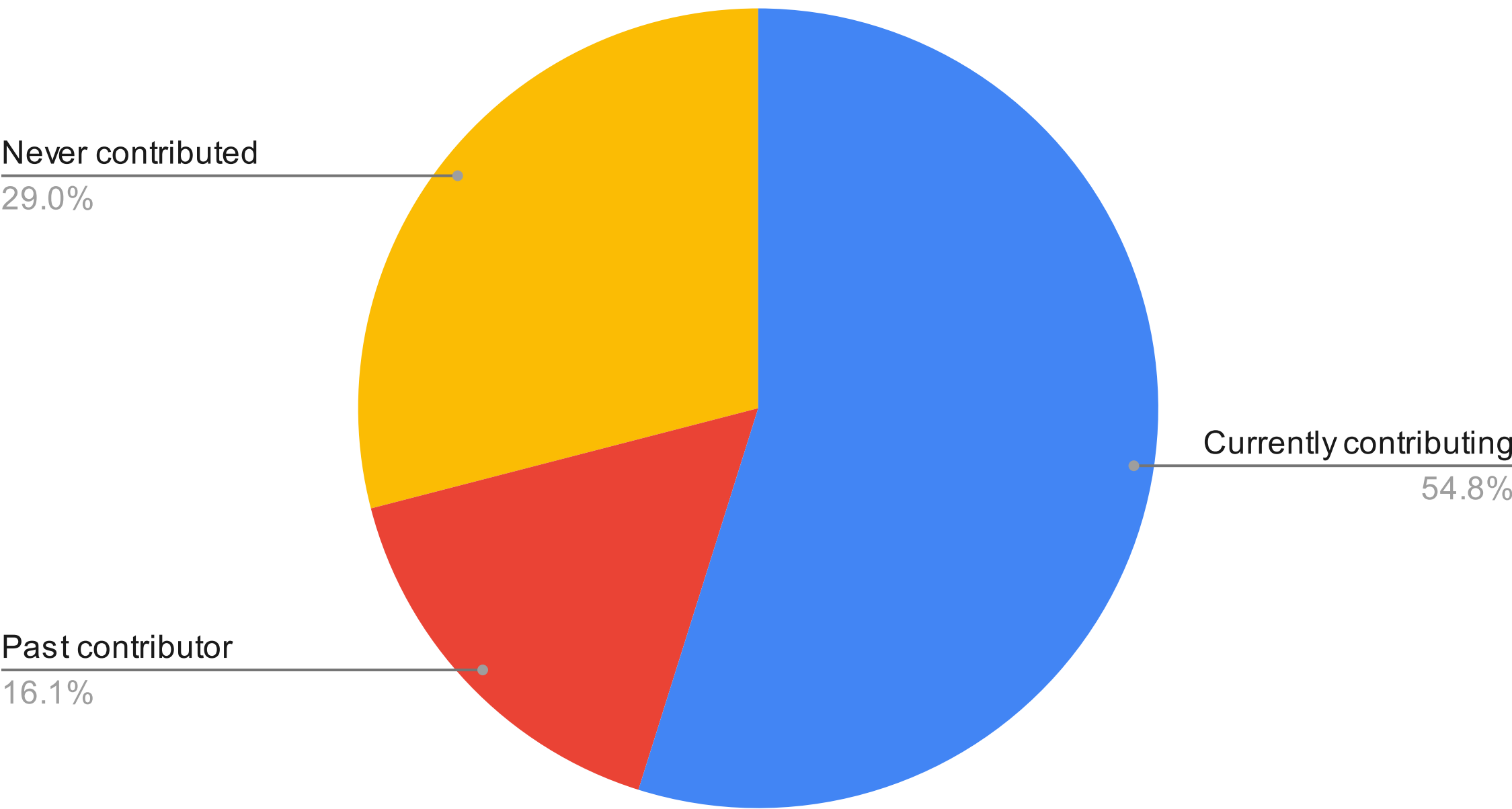


Do you work in an Open Source Program Office (OSPO) or similar open source team?

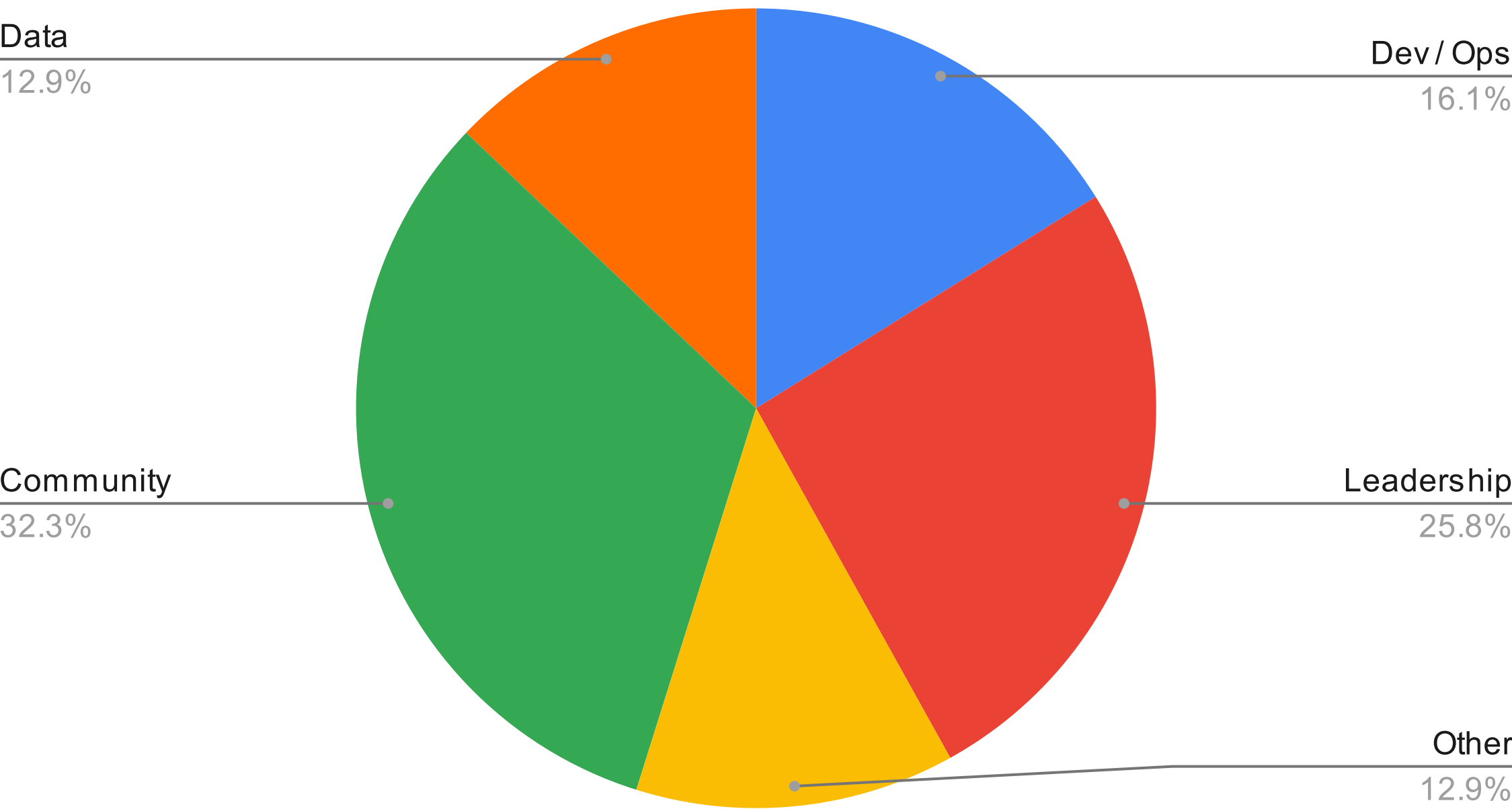


Demographics - Contributors

Have you contributed to the CHAOSS project?

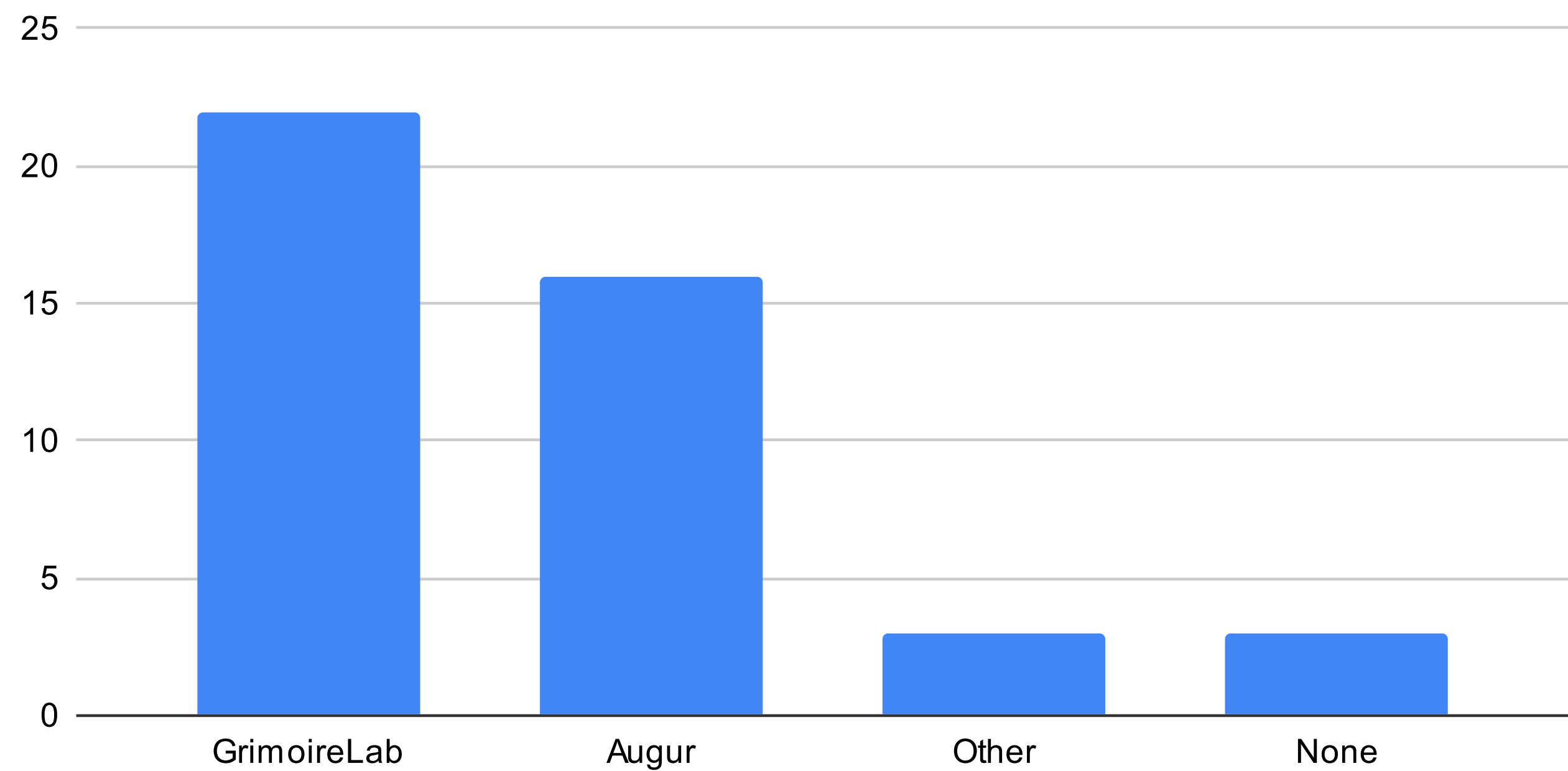


Role or Position

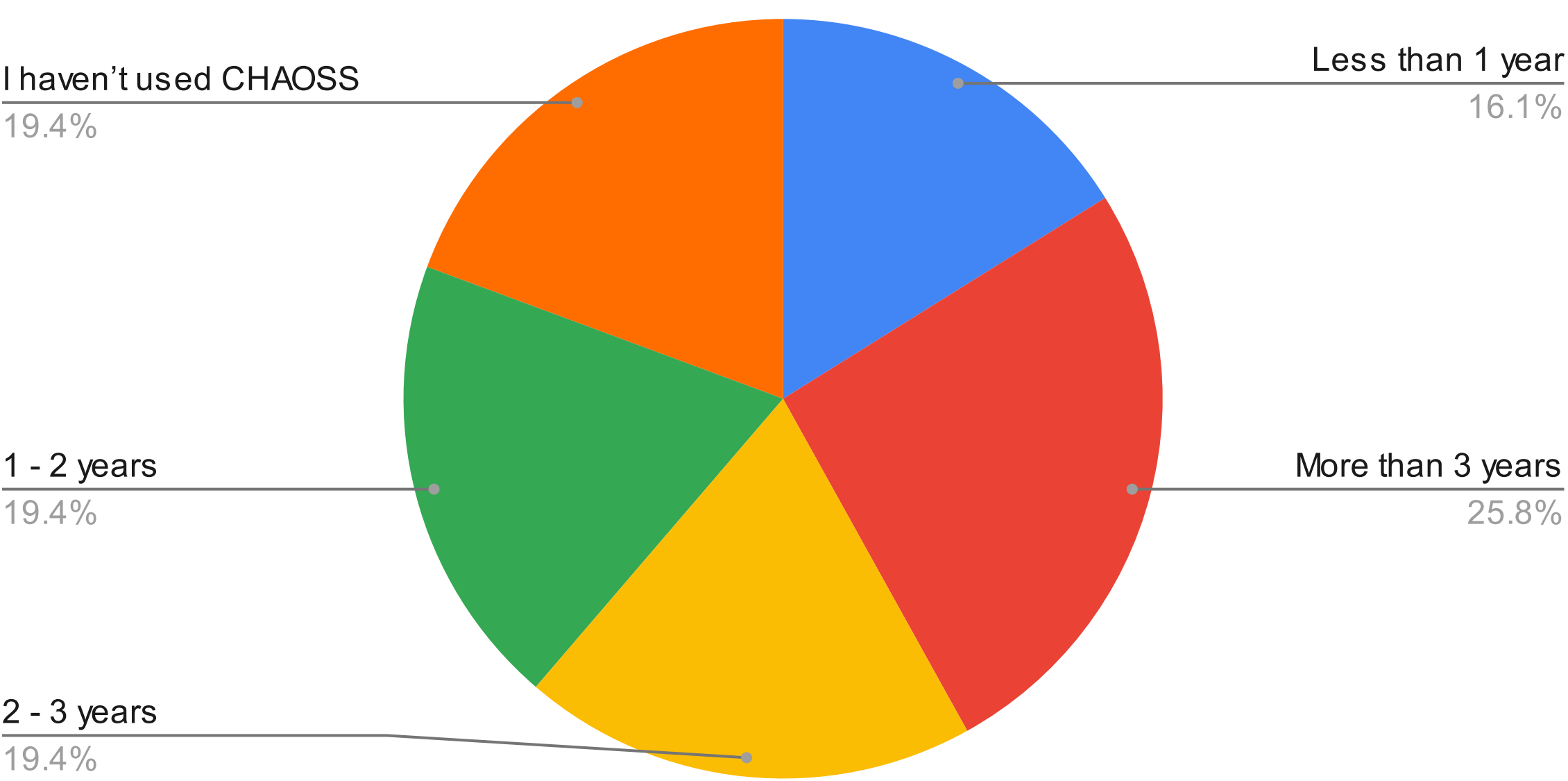


Demographics - Tool Usage

Which of these have you used or tried to use? (select all that apply)

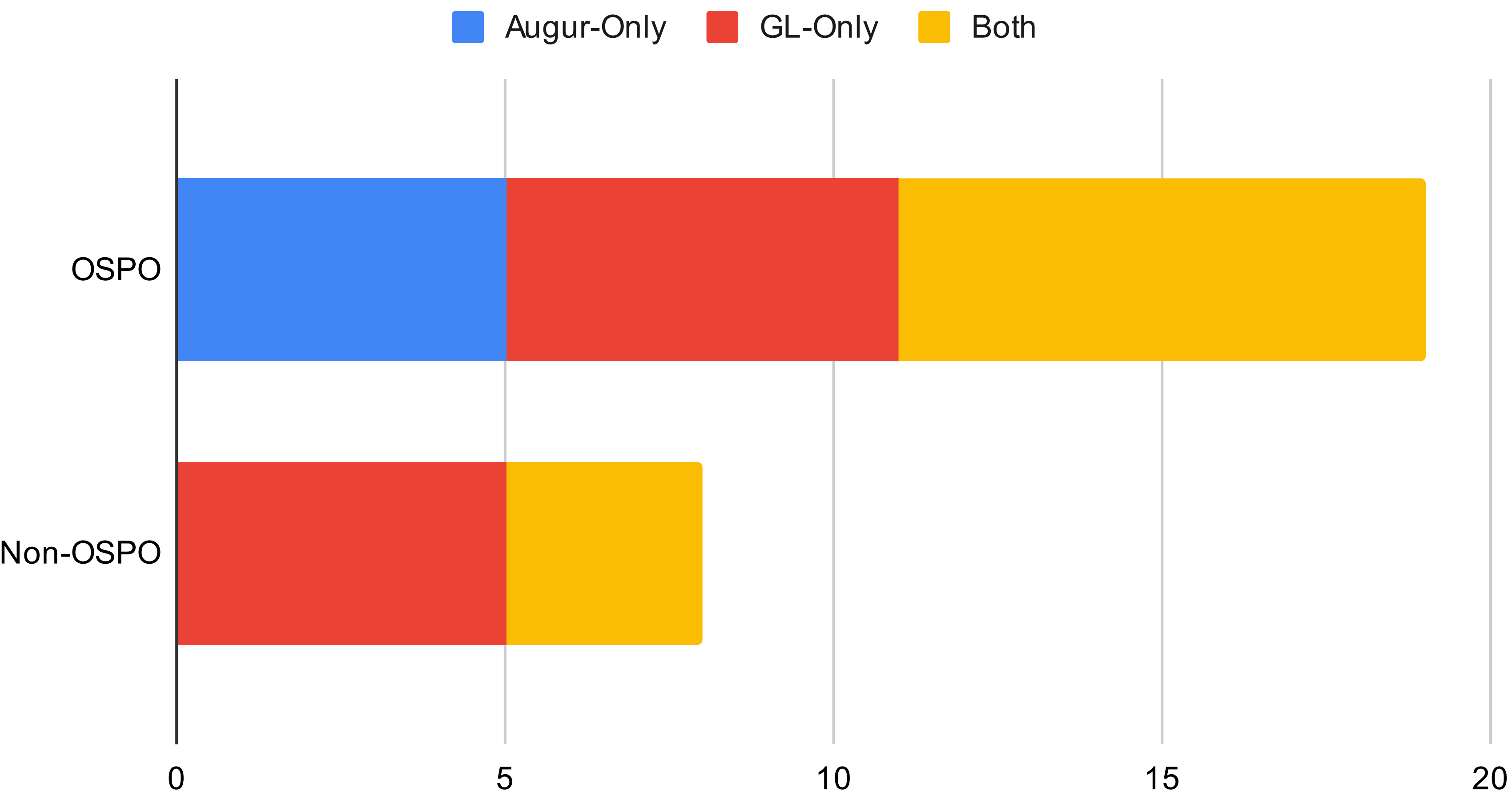


How long have you been using CHAOSS tools or custom code that implements CHAOSS metrics?



OSPPOs continue to be important users of CHAOSS tools with many using both tools

OSPPO Software Usage (excluding other and none)

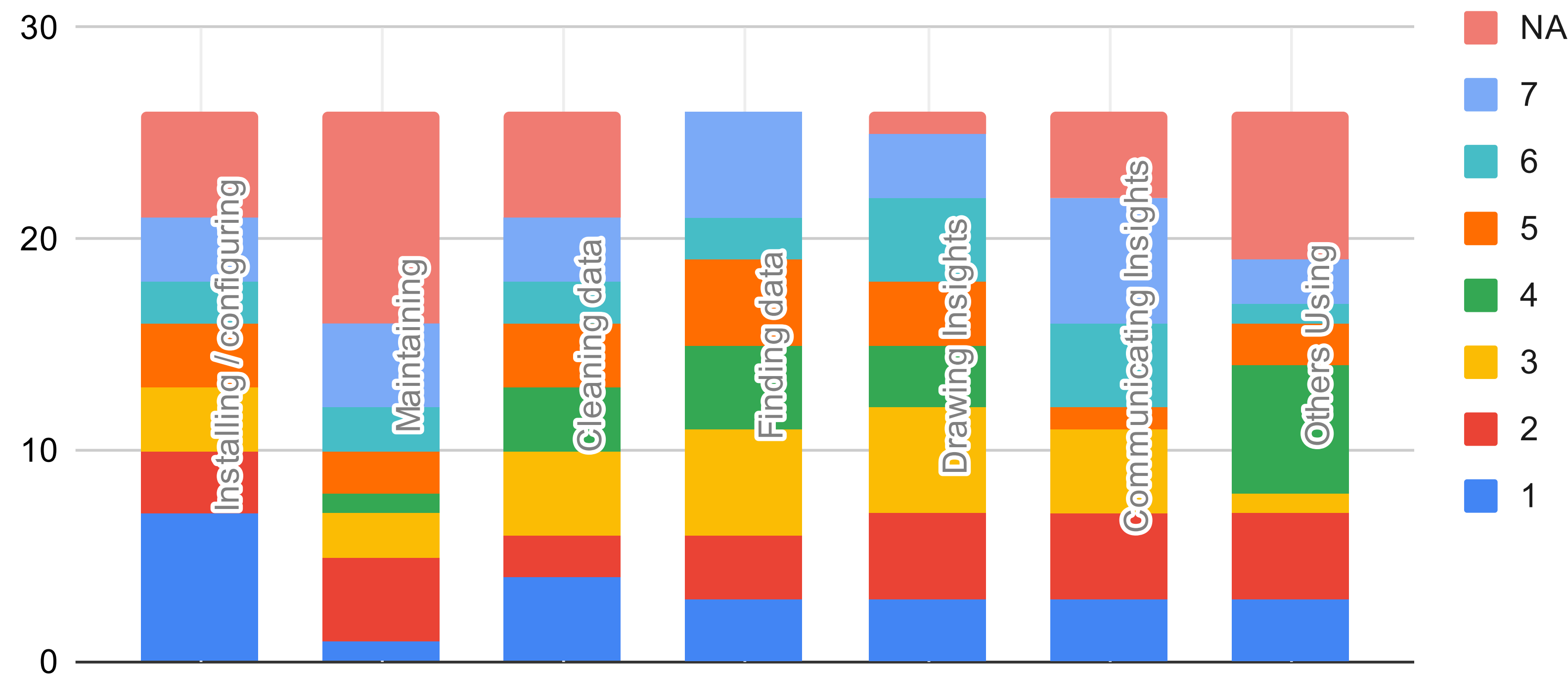


Challenges

Installing our software continues to be the biggest challenge

Finding data and drawing insights from the data are also top challenges

Ranked Challenges of People Using CHAOSS Tools (1 most challenging, 7 least)



Quotes: Installation Challenges

- “Both GrimoireLab and Augur ... are fairly complicated back-ends that require a significant amount of configuration to set up.
- “Self hosting is becoming really difficult, esp for remote only orgs
- “They all seem quite complex and difficult to get started or require very special data analysis expertise.
- “Getting either piece of software running locally proved impossible for me

Quotes: Insights from the Data

- “Overwhelming data.
- “No CHAOSS tools make it easy to compare a large number of repos.
- “Any new metric should have use cases associated where the usefulness of the metric becomes evident
- “Many CHAOSS metrics aren't quantitative, so evaluating them requires manual examination. CHAOSS metrics don't cover marketing metrics like social media mentions.
- “The most challenging part is to communicate them to C level.

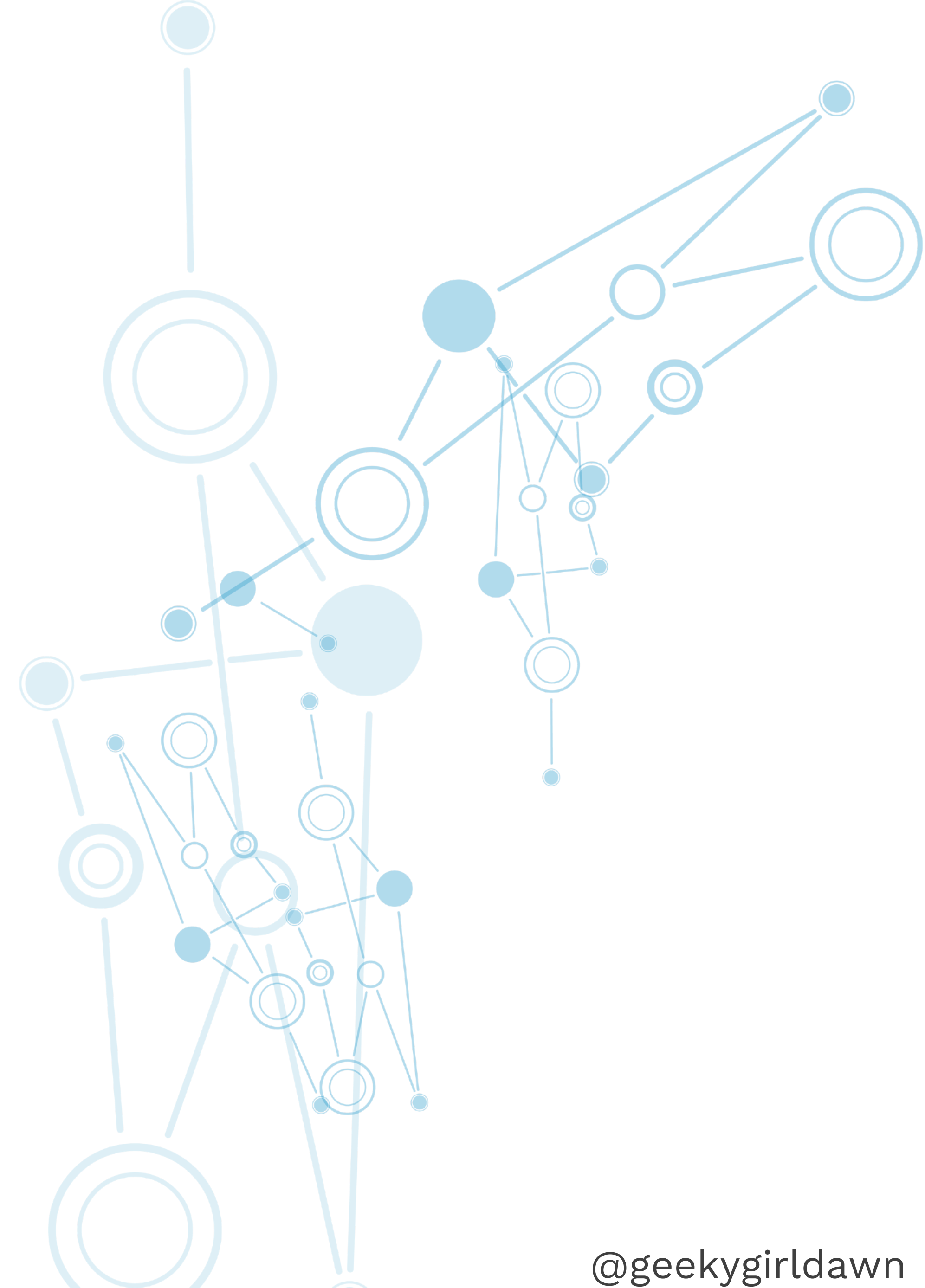
Quotes: Other Challenges

- “It's hard to understand what is "official" CHAOSS software (like what is the relationship to compass?) or how things move from the metrics/models into the software.
- “Overall I find it complex to understand what CHAOSS is actually about and how the tools relate to what is described
- “Contributing has itself been a challenge, since documentation is woefully incomplete and (at times) inaccurate
- “Understanding the relationship between the software and the metrics can be difficult, things aren't always named the same and the methods of calculation are not always transparent in the software so you can't tell if it is really doing what you think it is.

Caveats

- **Survey was based on a small number of responses (31 with 26 using CHAOSS tools)**
- **Survey was promoted most heavily within the CHAOSS and TODO Group communities, since they have traditionally been our biggest users, but this could have influenced the number of OSPOs**

Additional Details



Access to the Raw Data

- https://github.com/chaoss/wg-data-science/tree/main/challenges_survey

Question Text: Rank order the challenges you have faced using CHAOSS tools. If any don't apply to you, select the option labeled 'NA' (Not Applicable). 1 is most challenging and 7 is least challenging.

- Installing / configuring software
- Maintaining software over time
- Cleaning up the data (e.g., merge duplicate contributors, company affiliation)
- Finding the data / metrics you want to use
- Drawing meaningful insights out of the data
- Communicating meaningful insights to others, including executives
- Getting others within your company / community to use the software