Mozilla's Community Analytics

GrimoireLab and Mozilla's Open Innovation Team

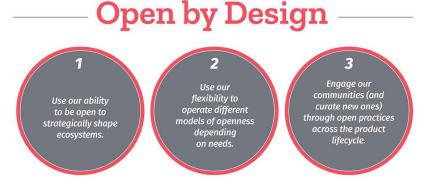


About Mozilla Open Innovation



The Open Innovation Team exists to help Mozilla's **product and technology** teams move more intentionally towards **open methods across all phases of the lifecycle** to gain long-term **competitive advantage**.

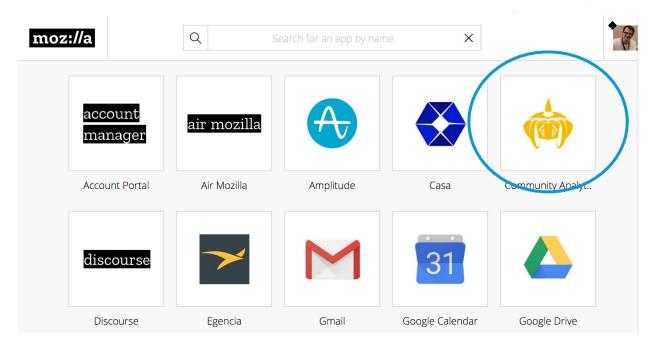
The team works across the organization designing the necessary infrastructure (relationships, processes, tools) and modern, efficient and scalable forms of participation, based on a clear sense of value exchange.





GrimoireLab at Mozilla

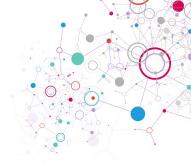
- Integrated with our organization's single-sign on
- Visible on Mozilla's application dashboard (launchpad)
- Accessible to Staff and NDA'd Volunteers





Analytics Scope at Mozilla

- 1844 Github repos, grouped into 38 projects
- 1786 Bugzilla Product::Components
- 319 newsgroups (aka mailing lists)
- 136 Discourse categories
- 116 Meetups (Rust)
- 9 IRC channels
- 2 Stackoverflow tags
- Wiki analytics
- Custom connectors
 - Rust Crates
 - Mozilla Reps Portal
 - Mozilla Clubs (G Suite form)





Some more numbers

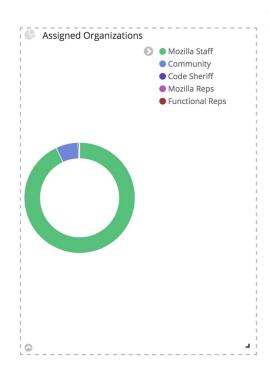


- Some of our contribution source go back to April 1998 (source code)
- 1.000.000 newsgroup messages
- 2.500.000 bugzilla issues
- 1.700.000 commits
- 190.000 identities (bugzilla)



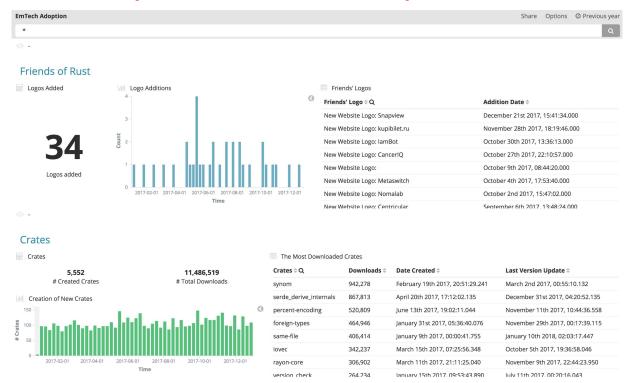
Implementation Challenges

- Version control systems
 - SVN > Mercurial > Git
- Identity duplication
 - "Henrik" vs "Henrik (PTO until 05 FEB)"
 - Identities across multiple sources
- Assigning organizations
 - Staff vs. non-staff





Example: Rust Adoption



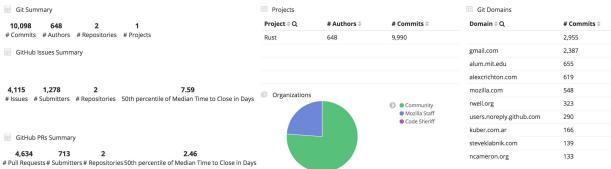


Example: Rust General Analytics



Comm

Summary







chaoss.community

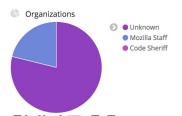
Example: Rust Engineering Analytics

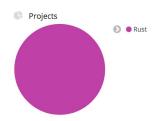
The Most Active Developers

Author Q	# Modified Files \$	# Added Lines 🕏	# Removed Lines \$
Alex Crichton	6,198	100,267	59,303
Oliver Schneider	5,940	124,618	82,393
Eduard-Mihai Burtescu	3,532	51,413	81,108
Niko Matsakis	2,793	52,943	31,973
Esteban Kuber	2,625	39,072	26,214
Djzin	2,407	84,575	73,271
Vadim Petrochenkov	2,296	18,771	11,815
Corey Farwell	2,236	24,123	19,781
Ariel Ben-Yehuda	1,873	31,066	29,116
Zoxc	1,707	25,265	15,274

Export: Raw & Formatted &

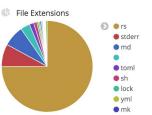
1 2 3 4 5 »

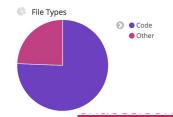












What Next?



- Continue to extend and refine our Dashboards
- Organizational adoption of this metrics capability
 - Emerging Technologies
 - TestPilot
 - Open Innovation Communities and Contributors research
- Research into predictive metrics (Don Marti, CHAOSS)
 - "How do you predict impact metrics and contributor reward metrics from activity metrics?" -<u>Don's Blog</u>

