MCN 2019

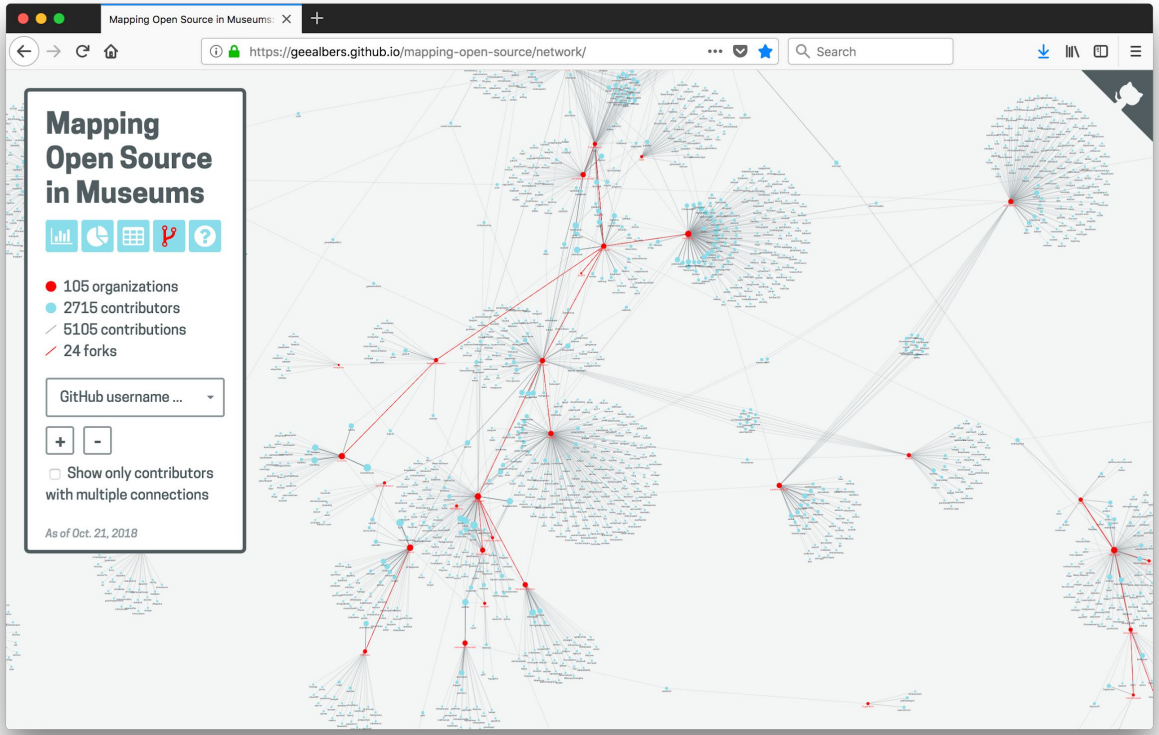
http://bit.ly/more-of-open

Making more of open source

Greg Albers
Digital Publications Manager, J. Paul Getty Trust | @geealbers

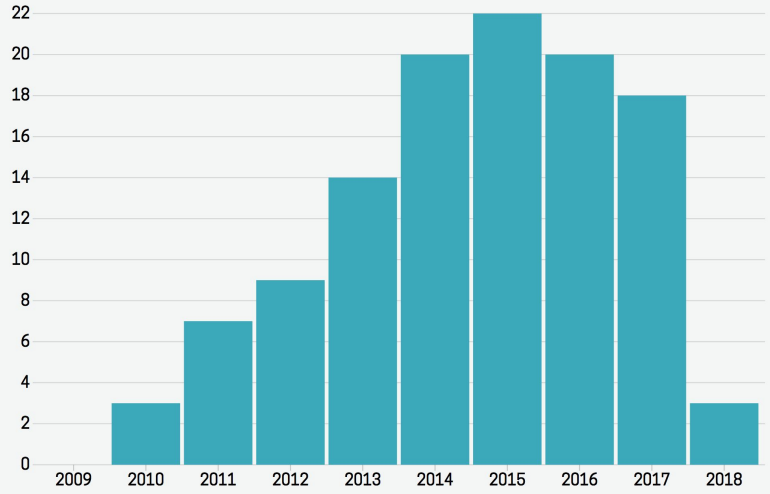
Hélène Martin
CTO, Nafundi | @purplespatula

Megan Forbes
Co-Director ITAV & Program Manager, CollectionSpace @ LYRASIS

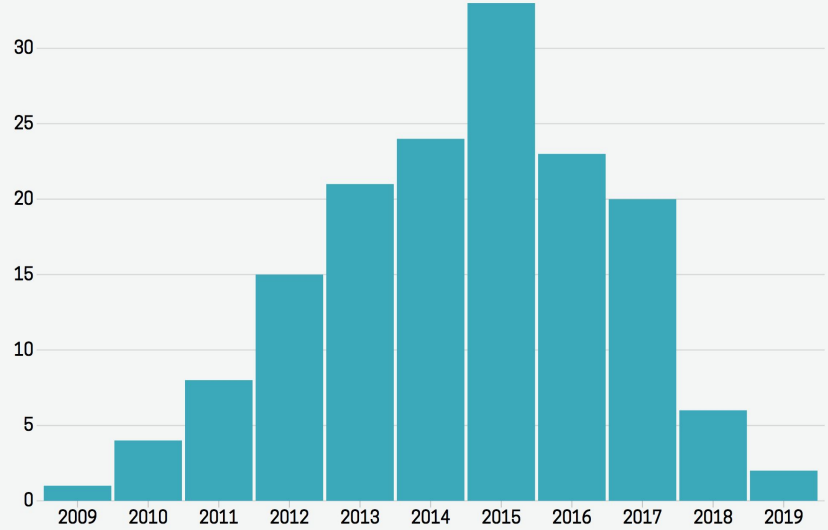


https://geealbers.github.io/mapping-open-source

Museums joining GitHub

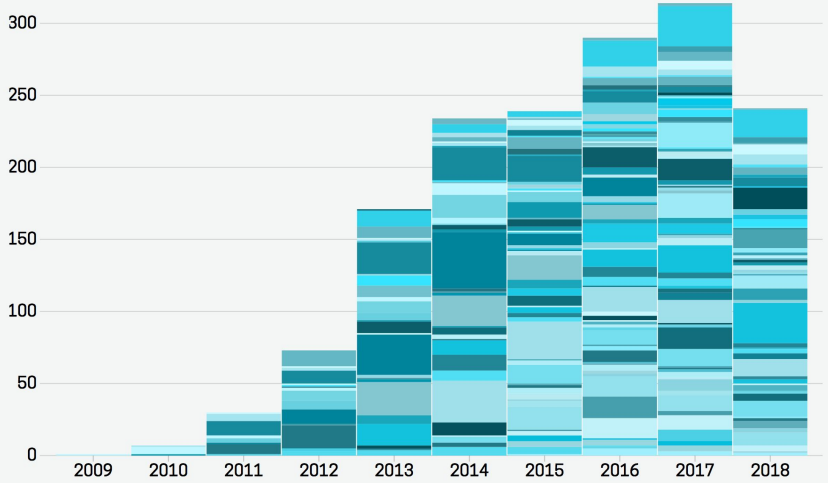


as of Oct 2018

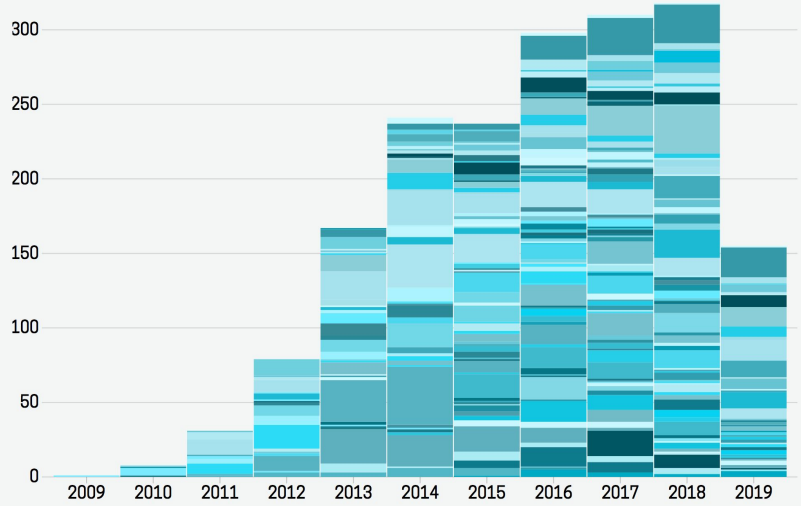


as of Oct 2019

Public repositories created



as of Oct 2018



as of Oct 2019

Museums on GitHub by the numbers

125 Museums

1600 Public repositories

2715 Contributors

as of Oct 2018

158 Museums

1845 Public repositories

3221 Contributors

as of Oct 2019

- Helper class for drawing an animated sine wave into a canvas element
- Cover for closing a logidule
- Our internal front-end boilerplate
- A tool to DL and store data and images from collections APIs. To generate data sets that can be shared, cached, etc.
- Drupal module for generic Taverna workflows in Sidora
- Kiosk app wrapper for museum media exhibits
- File storage for email signature images
- An app to back-up photos from Flickr
- An app for collecting gallery rating data

1845 Public repositories

Passive open source

http://bit.ly/more-of-open

Making more of open source

Greg Albers — GitHub Community Tools
Digital Publications Manager, J. Paul Getty Trust | @geealbers

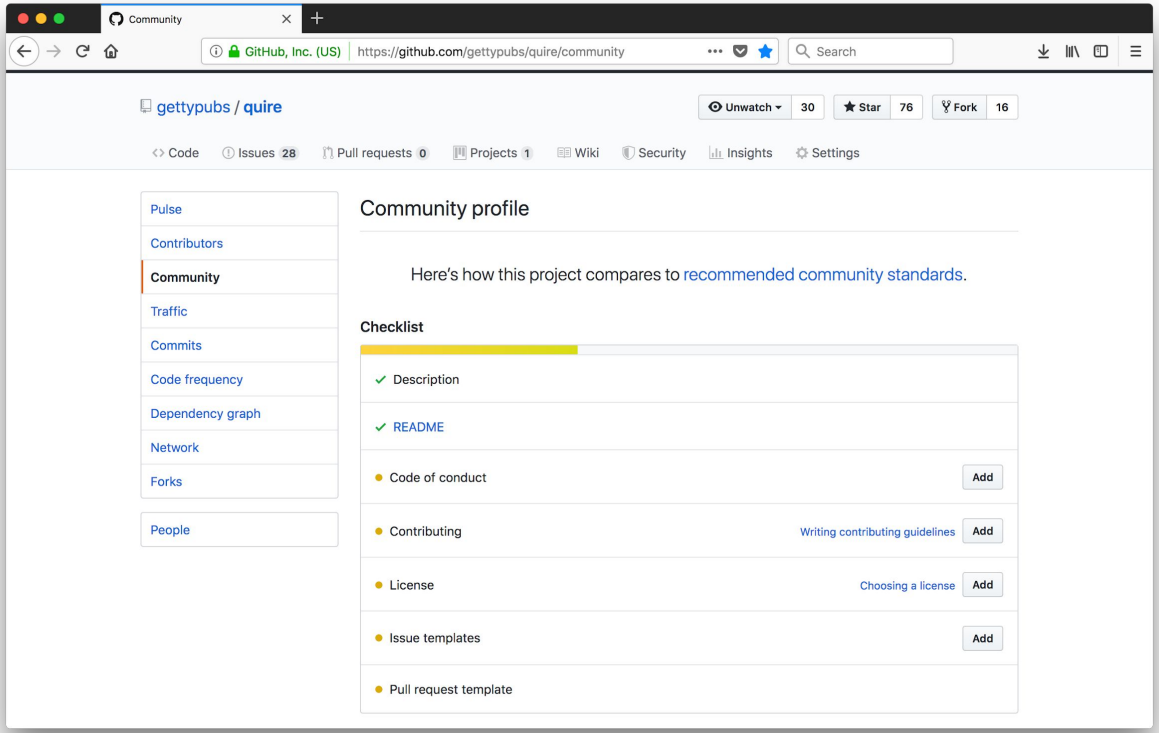
Hélène Martin — Mozilla's Open Leadership Program
CTO, Nafundi | @purplespatula

Megan Forbes — It Takes a Village Guidebook
Co-Director ITAV & Program Manager, CollectionSpace @ LYRASIS

Quire

- Multiformat publishing framework
- Optimized for discovery and longevity
- Started in Getty Publications to publish our online, pdf, and ebook editions simultaneously from a single source
- Always intended to do at least a passive open source release
- Now partnering with our internal digital team
- Hiring full-time two-year Dev and Community Manager positions
- 100+ people in our beta so far

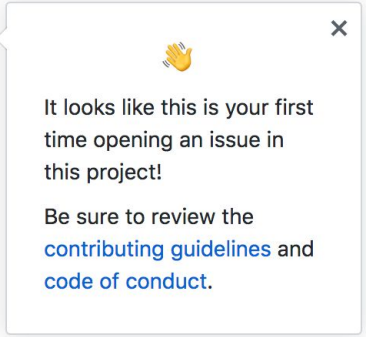
https://gettypubs.github.io/quire



https://github.com/USER/REPOSITORY/community

Community Health Files in Museums

README.md	What does this do? What problem is being solved? How does it work?
LICENSE.md	What can I do with it?
SUPPORT.md	What if I need help?
CONTRIBUTING.md	How can I help?
CODE_OF_CONDUCT.md	How will conflicts be resolved?



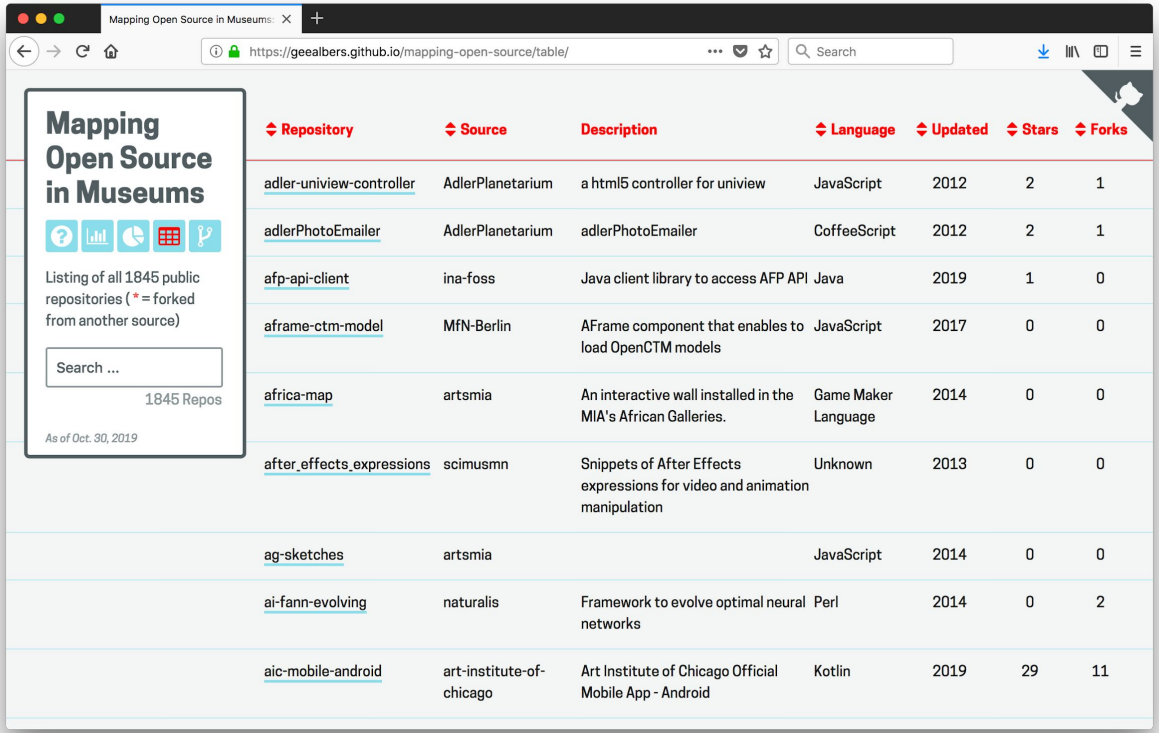
Community Health Files in Museums

README.md	What does this do? What problem is being solved? How does it work?	**If you want people to use your code**
LICENSE.md	What can I do with it?	
SUPPORT.md	What if I need help?	
CONTRIBUTING.md	How can I help?	**If you want people to help write it**
CODE_OF_CONDUCT.md	How will conflicts be resolved?	

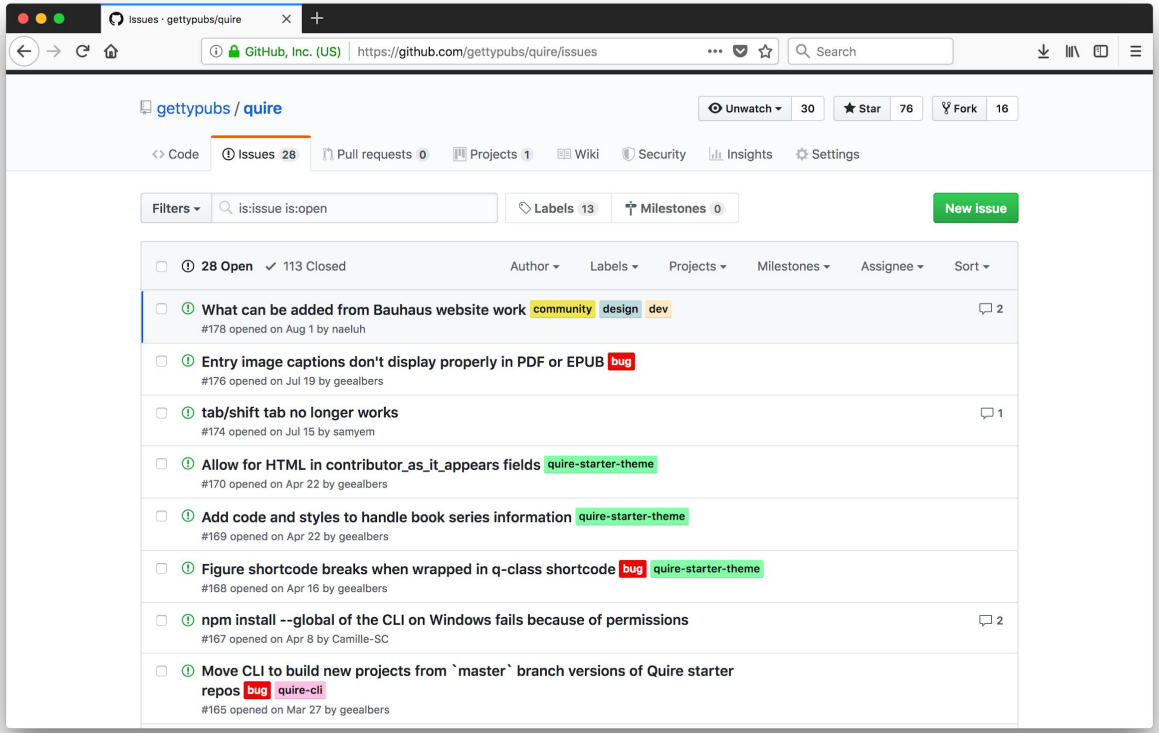
Community Health Files in Museums

in 1,845 public repositories

README.md	What does this do? What problem is being solved? How does it work?	**75%**
LICENSE.md	What can I do with it?	**43%**
SUPPORT.md	What if I need help?	**0%**
CONTRIBUTING.md	How can I help?	**3%**
CODE_OF_CONDUCT.md	How will conflicts be resolved?	**2%**

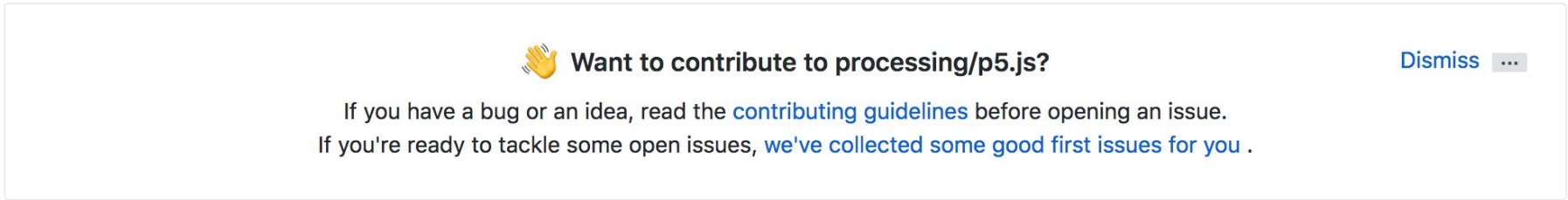


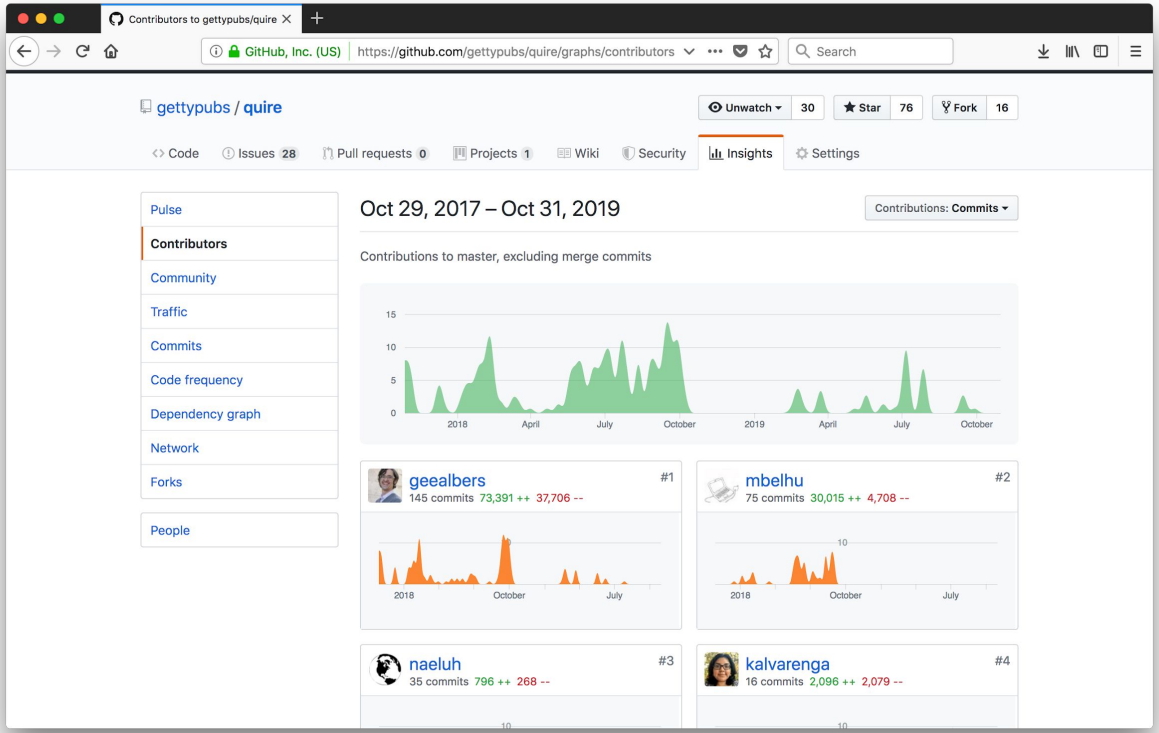
https://geealbers.github.io/mapping-open-source/table/



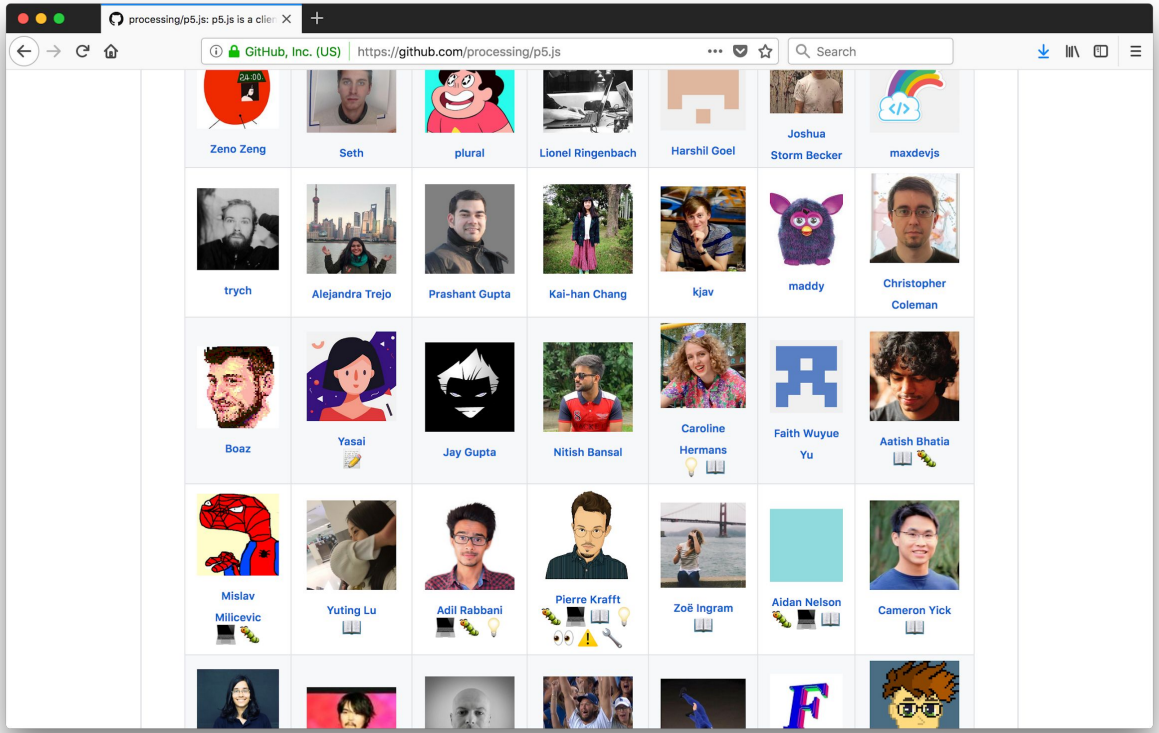
https://github.com/USER/REPOSITORY/issues

good first issue
help wanted


Want to contribute to processing/p5.js?
Dismiss
If you have a bug or an idea, read the contributing guidelines before opening an issue.
If you're ready to tackle some open issues, we've collected some good first issues for you .



https://github.com/USER/REPOSITORY/graphs/contributors



https://allcontributors.org/

Contribution types

- 💬 Answering questions
- 🐛 Bug reports
- 📝 Blog posts
- 💼 Business development
- 💻 Code
- 🖋 Content
- 📖 Documentation
- 🎨 Design
- 💡 Examples
- 📋 Event organization
- 💵 Financial support
- 🔍 Fundraising
- 🤔 Ideas and planning
- 🚇 Infrastructure
- 🚧 Maintenance
- 📦 Packaging
- 🔌 Plugin/utility libraries
- 📆 Project management
- 👀 Pull request review
- 🛡 Security
- 🔧 Tools
- 🌍 Translation
- ⚠ Tests
- ✅ Tutorials
- 📣 Talks
- 📓 User testing
- 📹 Videos

Thanks!

- Add Community Health files
- Write and label bite-size issues to encourage people to start contributing
- Credit them when they do

advancing
digital transformation
in museums

MCN 2019 | NOVEMBER 5-8 | SAN DIEGO

It Takes a Village: An OSS Sustainability Framework

Megan Forbes, Co-Director ITAV & Program Manager, CollectionSpace @ LYRASIS

November 6, 2019

Sustainable software is that which is viable and effective for as long as it is needed.

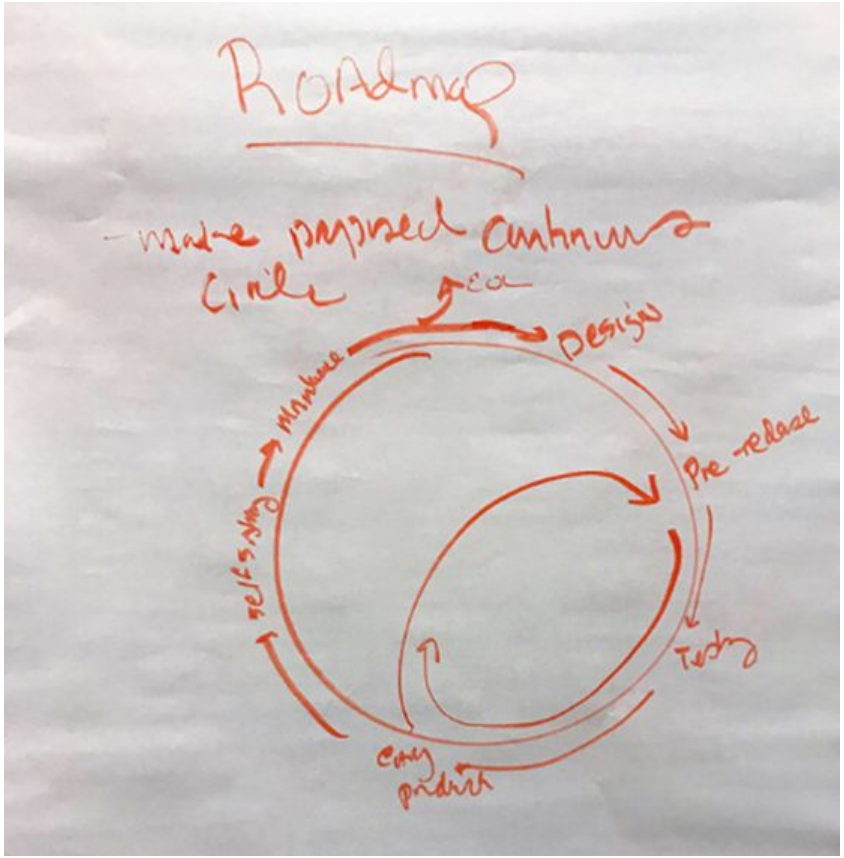
It Takes a Village: Overview

- OSS Programs serving cultural and scientific heritage suffer from a lack of resources devoted to sustainability planning
- IMLS funded the It Takes a Village project in 2017
- Intended outcomes:
  - Survey, forum, and roadmap
  - Increased awareness of OSS sustainability requirements
  - Opportunities for joint projects and collaborations

archivematica
ArchivesSpace
a community served by LYRASIS
avalon
MEDIA SYSTEM
catalyst
BitCurator
blacklight
COLUMBIA UNIVERSITY
IN THE CITY OF NEW YORK
COLLECTIVE ACCESS
collectionspace
a community served by LYRASIS
ConservationSpace
DURASPACE
EDUCOPIA
INSTITUTE
Fedora™
DPLA
CORAL
Library Simplified
The Open Source Library Platform
EVERGREEN™
Islandora
Meta Archive
DSPACE
LYRASIS
LOCKSS
LOTS OF COPIES KEEP STUFF SAFE
omeka
WIKIMEDIA COMMONS
Harvard University
Graduate School of Design
PKP
PUBLIC KNOWLEDGE PROJECT
samvera™
vega
Academic Publishing System
Specify
Sakai
Stanford University
vufind
Search. Discover. Share.

ITAV: Major Findings

- Sustainable programs grow from community needs
- Sustainability is not one thing, nor is it a straight line
- Sustainability has *facets* that move in cyclical *phases* – together and separately
- Gathered info from survey and forum to develop Guidebook to serve as practical reference source for OSS programs



ITAV: Phases

- Getting Started

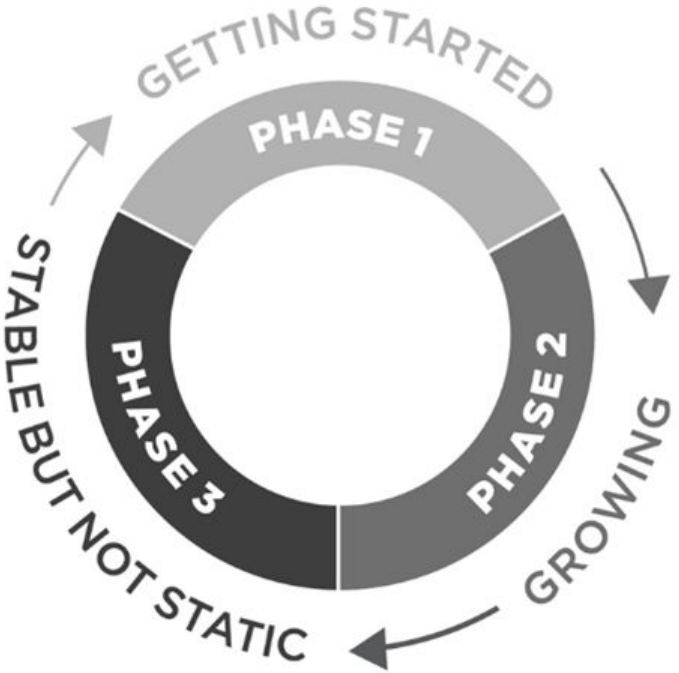
–Early stages of planning, design, and development

- Growing

–Broadest, critical time to transition to sustainability

- Stable, but not Static

–Reflects more mature program; beware complacency



ITAV: Facets

Establishing roles and processes; how decisions get made

Software development and challenges that impact the development process

Efforts to foster involvement within a community; users > stakeholders

Human and financial resources in a variety of forms

ITAV: Guidebook

For each phase of each facet:

- Characteristics - where am I?
- Concerns - common issues
- Moving forward - how do I move to the next phase or continue to evolve?

ITAV: Next Steps

- Round two at IMLS now
- Focus on practical exercises
- Example: Catastrophizing

–Brainstorm things that would have significant negative impact

–How would you manage this event with your current governance structure?

–How could you change/improve structure as a result?

Image courtesy the Metropolitan Museum of Art.
A rich man giving a beggar money. José Guadalupe Posada (Mexican, 1851–1913).

Thank you!

Want to learn more?
Visit: lyrasis.org/itav
Email: megan.forbes@lyrasis.org

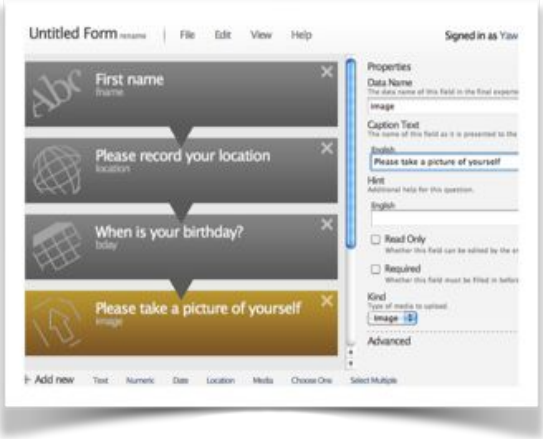
Open Data Kit
And Mozilla Open Leaders

👩‍💻Hélène Martin – ln@nafundi.com

📋Open Data Kit – https://opendatakit.org
Nafundi – https://nafundi.com

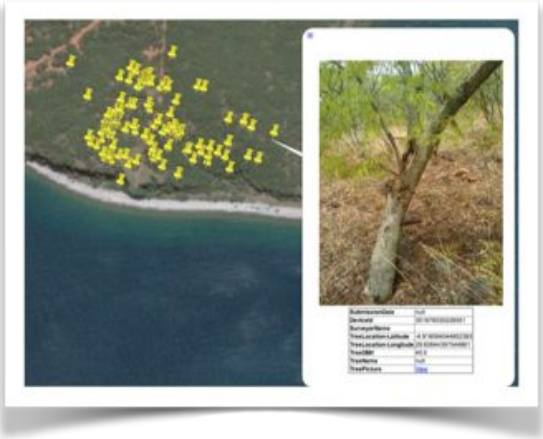
ODK replaces paper forms with mobile devices

1. Build form



2. Collect data

3. Aggregate results



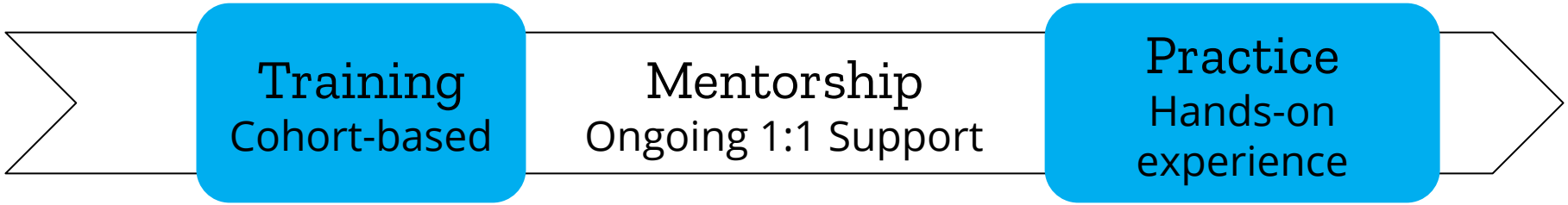
From academic project to standalone ecosystem

- 2008 founded at University of Washington
- 2010-2016 maintained by UW staff and students; rich ecosystem emerges
- 2012 Nafundi started as professional services company
- 2017+ maintained by “community”
- 2018 Technical Steering Committee created; Open Leaders

  http://opendatakit.org/community/governance/#tsc-1

Mozilla Open Leaders

14 weeks of training & mentorship on open practice



"Open leaders **design** and **build** projects that **empower** others to collaborate within inclusive communities."

Open Leadership Framework
mzl.la/olf

Any community, project or organization can be open

- **Understanding**: work is accessible and clear
- **Sharing**: work is easy to adapt, reproduce, and spread
- **Participation & inclusion**: share ownership with contributors

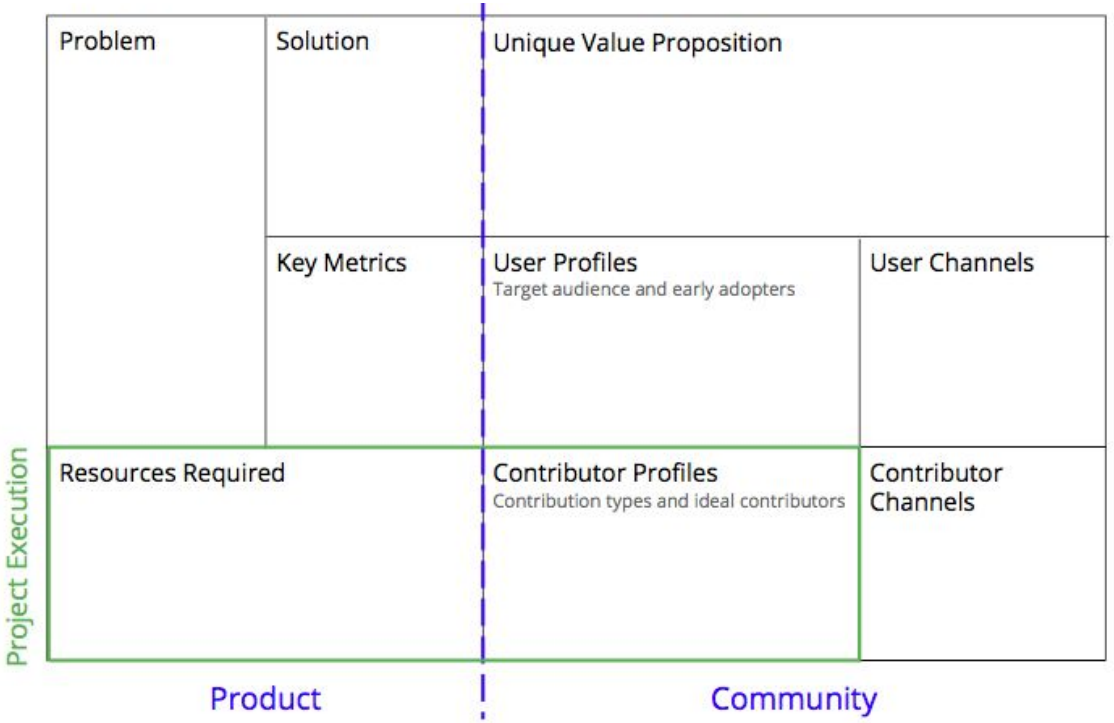
Open Leadership Framework mzl.la/olf

	Understanding	Sharing	Participation & Inclusion

Design for...	• Content focus
	• Community interactions
	  ○ Learning through use
	• Storytelling
		• Information-sharing focus
		• Community interactions
		  ○ Gifting
		  ○ Enhancing value exchange
		  ○ Networking common interests
			• Governance focus
			• Community interactions
			  ○ Creating together
			  ○ Soliciting ideas
			• Project identity

Build for...	• Communication • Design • Facilitation • Maintenance • Project management	• Commons-based production • Data stewardship • Documentation • Licensing • Networking	• Decision-making • Delegation • Event planning • Community Management • Mentoring
Empower for...	• Maintains clarity of vision & purpose • Maintain authenticity & integrity • Stays curious	• Makes connections • Resilience • Self-care	• Embraces failure • Ensures safety • Inspires contribution

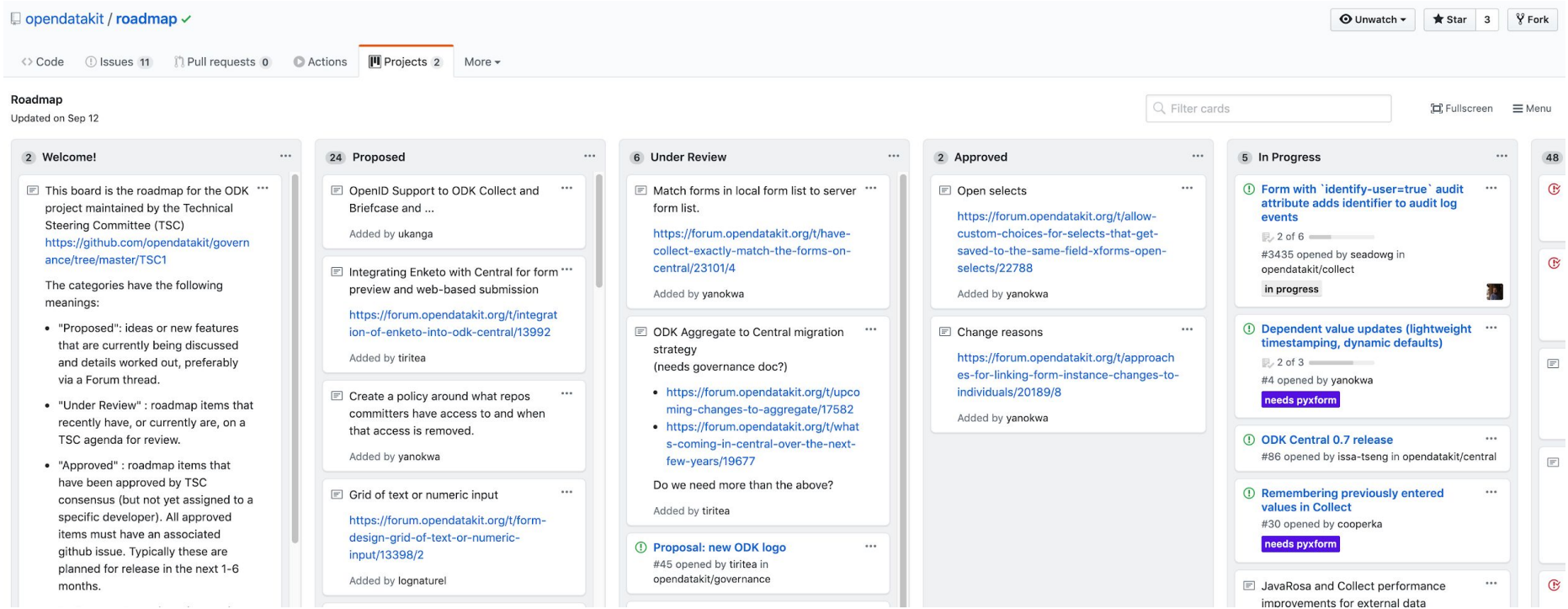
Open Canvas



Adapted from the Lean Canvas (https://leanstack.com/lean-canvas/) CC-BY-3.0

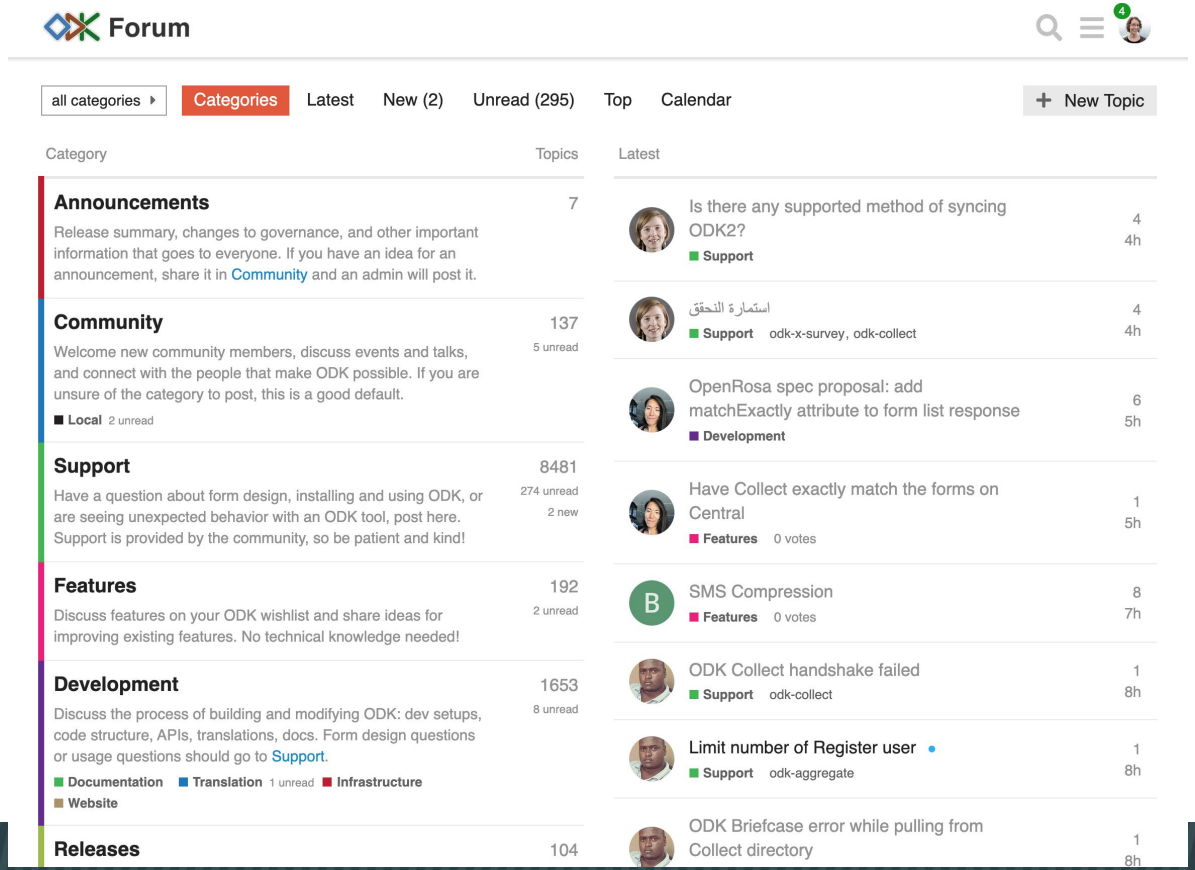
https://mozilla.github.io/open-leadership-training-series/articles/opening-your-project/develop-an-open-project-strategy-with-open-canvas/

GitHub can provide visibility into process and progress



https://github.com/opendatakit/roadmap/projects/1

Discourse complements GitHub to provide context



https://forum.opendatakit.org

Links

Mapping Open Source in Museums
https://geealbers.github.io/mapping-open-source

GitHub Community Profiles
(https://github.com/USER/REPOSITORY/community)
https://help.github.com/en/github/building-a-strong-community/about-community-profiles-for-public-repositories

GitHub Open Source Guides
https://opensource.guide/

Codes of Conduct
https://www.contributor-covenant.org/
http://citizencodeofconduct.org/
https://www.mediawiki.org/wiki/Code_of_Conduct

All Contributors
https://allcontributors.org/

Mozilla Open Leaders
https://foundation.mozilla.org/en/opportunity/mozilla-open-leaders/

Mozilla Open Leadership Training Series
https://mozilla.github.io/open-leadership-training-series/

It Takes a Village
https://lyrasis.org/itav

Free Discourse Hosting for Open Source Projects
https://blog.discourse.org/2018/11/free-hosting-for-open-source-v2/

The Open Source Way: Creating and nurturing communities of contributors
https://www.theopensourceway.org/wiki/Main_Page