

MCN 2019

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

Making more of open source

Greg Albers

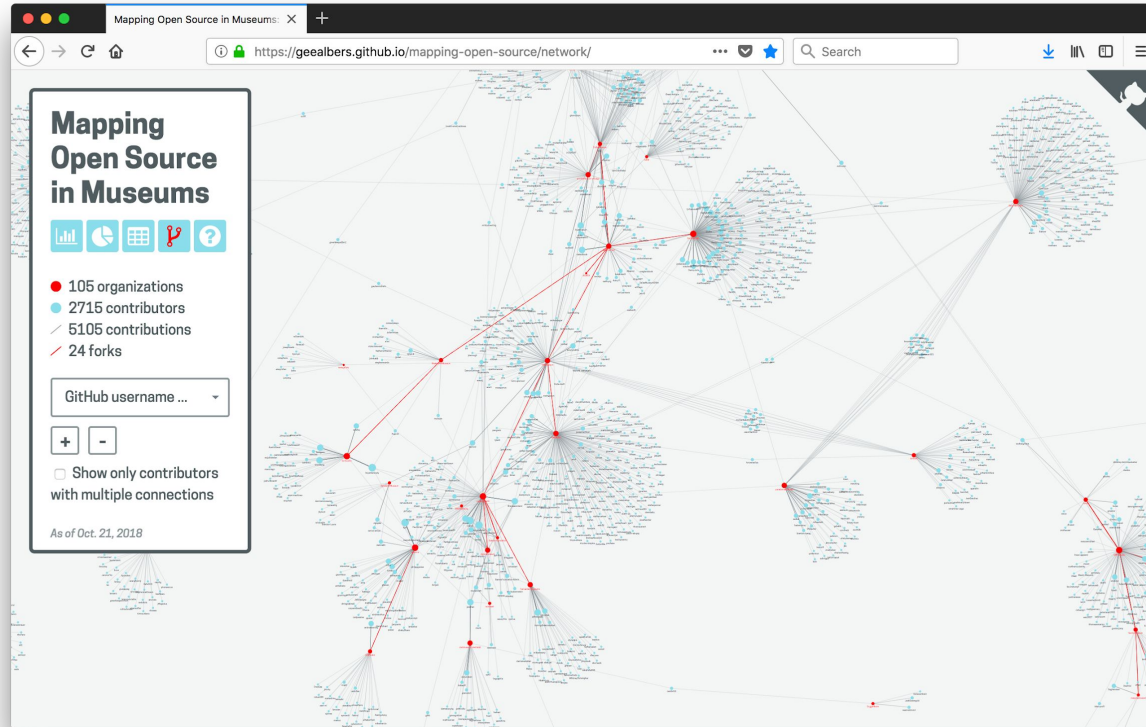
Digital Publications Manager, J. Paul Getty Trust | @geealbers

Hélène Martin

CTO, Nafundi | @purplespatula

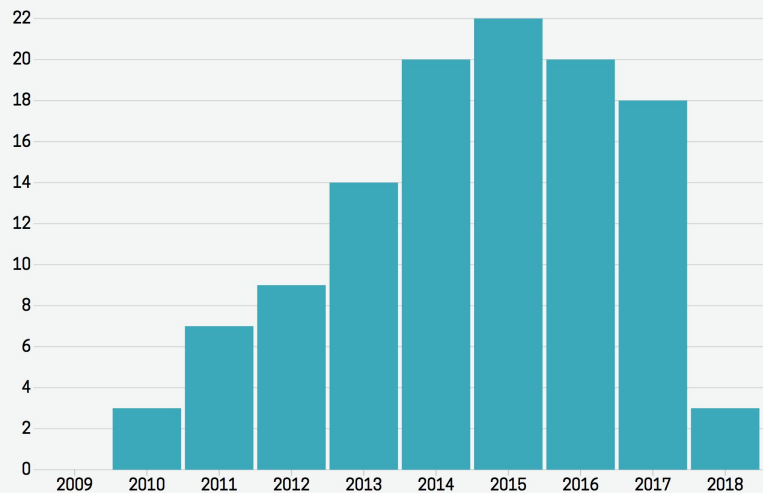
Megan Forbes

Co-Director ITAV & Program Manager, CollectionSpace @ LYRISIS

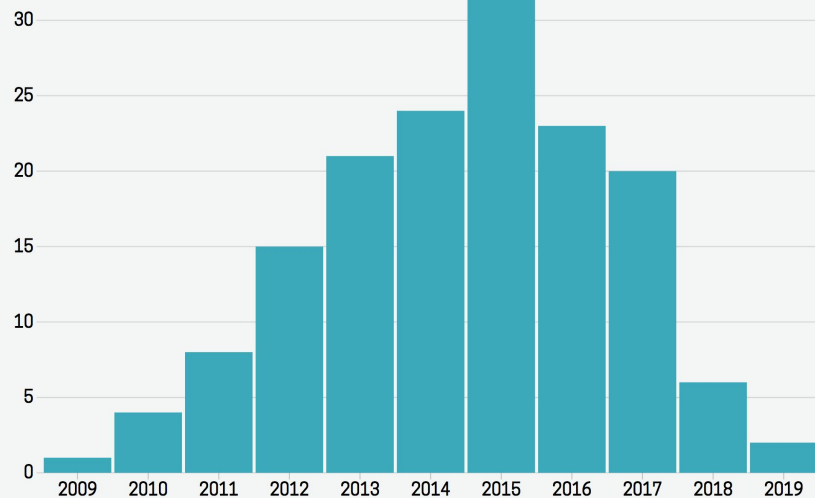


<https://geealbers.github.io/mapping-open-source>

Museums joining GitHub

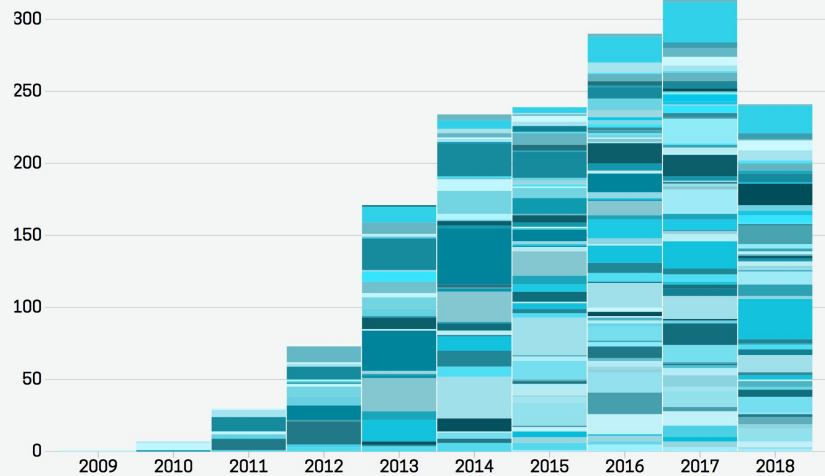


as of Oct 2018

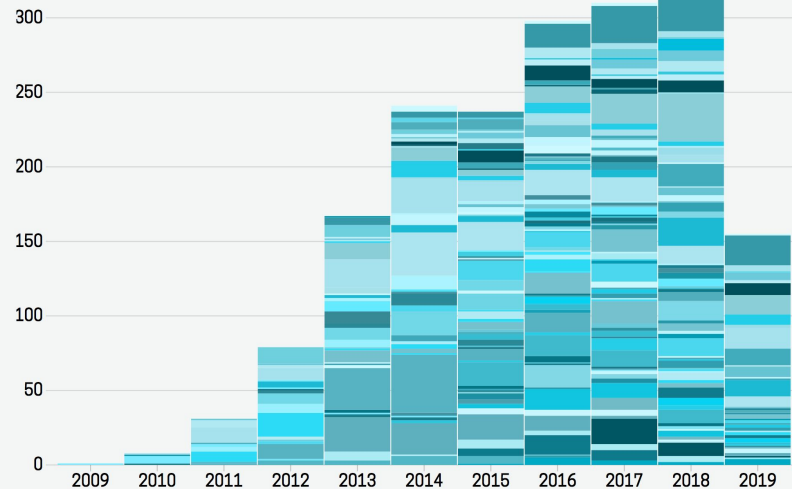


as of Oct 2019

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](#)

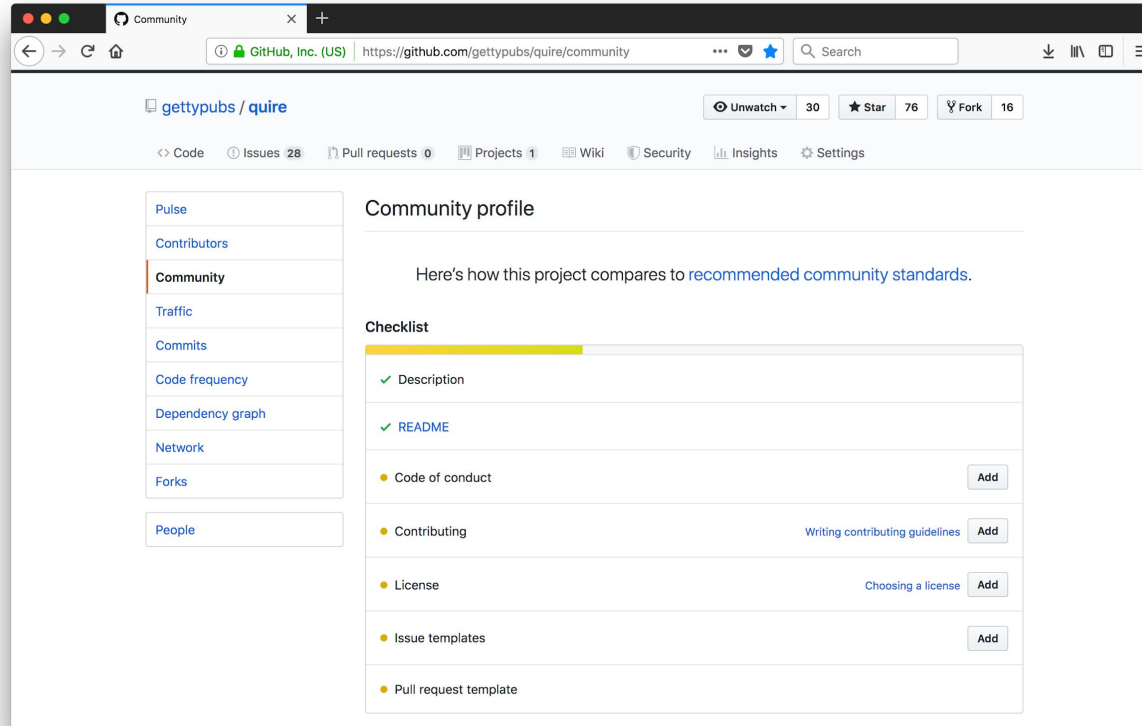
Co-Director ITAV & Program Manager, CollectionSpace @ LYRASIS

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?



It looks like this is your first time opening an issue in this project!

Be sure to review the [contributing guidelines](#) and [code of conduct](#).

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%

Mapping Open Source in Museums

Listing of all 1845 public repositories (* = forked from another source)

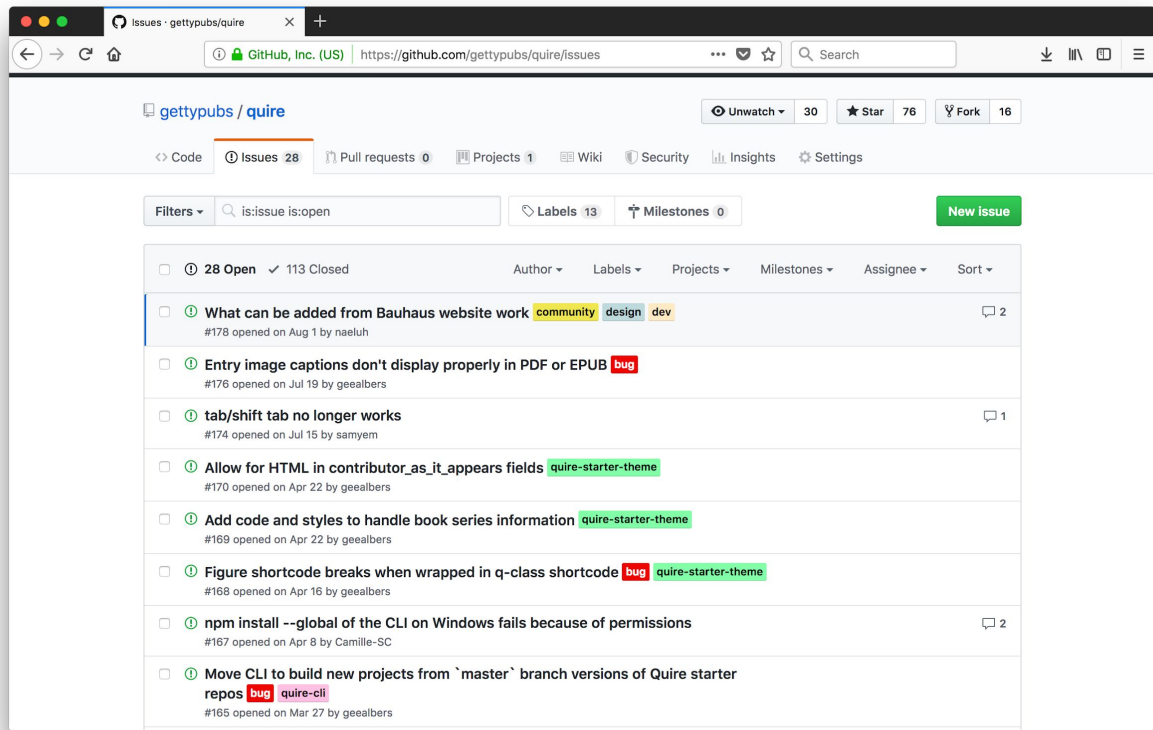
Search ...

1845 Repos

As of Oct. 30, 2019

Repository	Source	Description	Language	Updated	Stars	Forks
adler-uniview-controller	AdlerPlanetarium	a html5 controller for uniview	JavaScript	2012	2	1
adlerPhotoEmailer	AdlerPlanetarium	adlerPhotoEmailer	CoffeeScript	2012	2	1
afp-api-client	ina-foss	Java client library to access AFP API	Java	2019	1	0
aframe-ctm-model	MFN-Berlin	AFrame component that enables to load OpenCTM models	JavaScript	2017	0	0
africa-map	artsmia	An interactive wall installed in the MIA's African Galleries.	Game Maker Language	2014	0	0
after_effects_expressions	scimusmn	Snippets of After Effects expressions for video and animation manipulation	Unknown	2013	0	0
ag-sketches	artsmia		JavaScript	2014	0	0
ai-fann-evolving	naturalis	Framework to evolve optimal neural networks	Perl	2014	0	2
aic-mobile-android	art-institute-of-chicago	Art Institute of Chicago Official Mobile App - Android	Kotlin	2019	29	11

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



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

good first issue

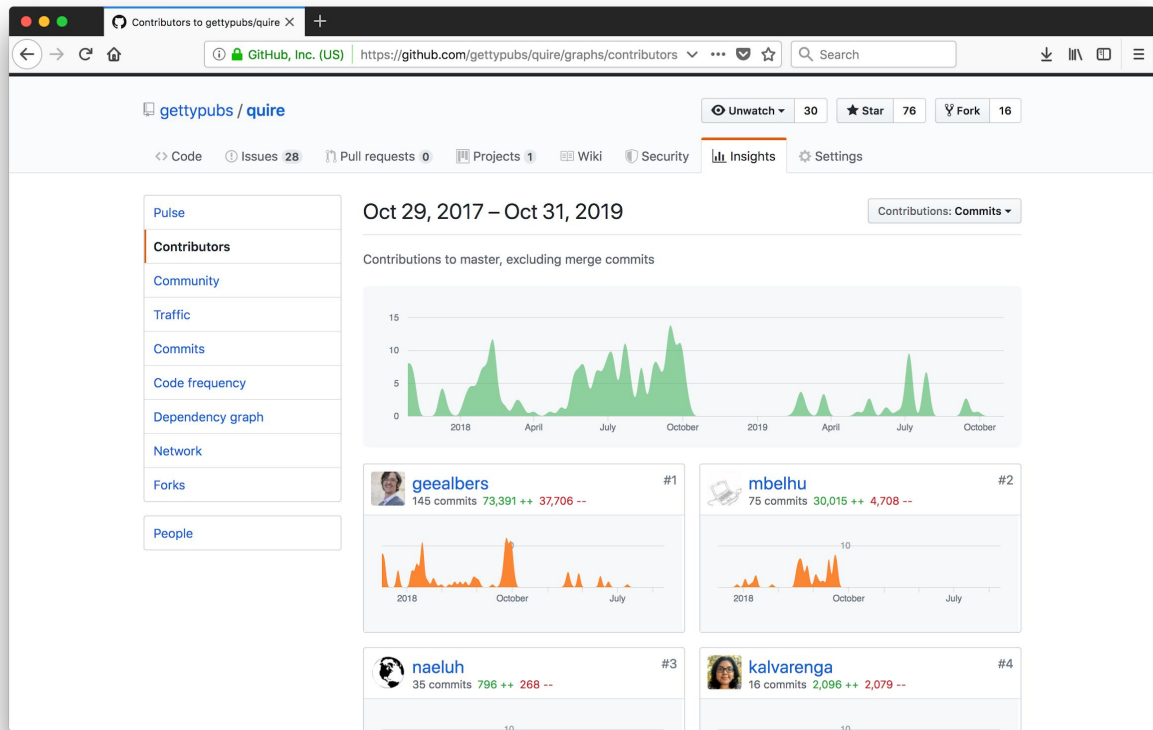
help wanted



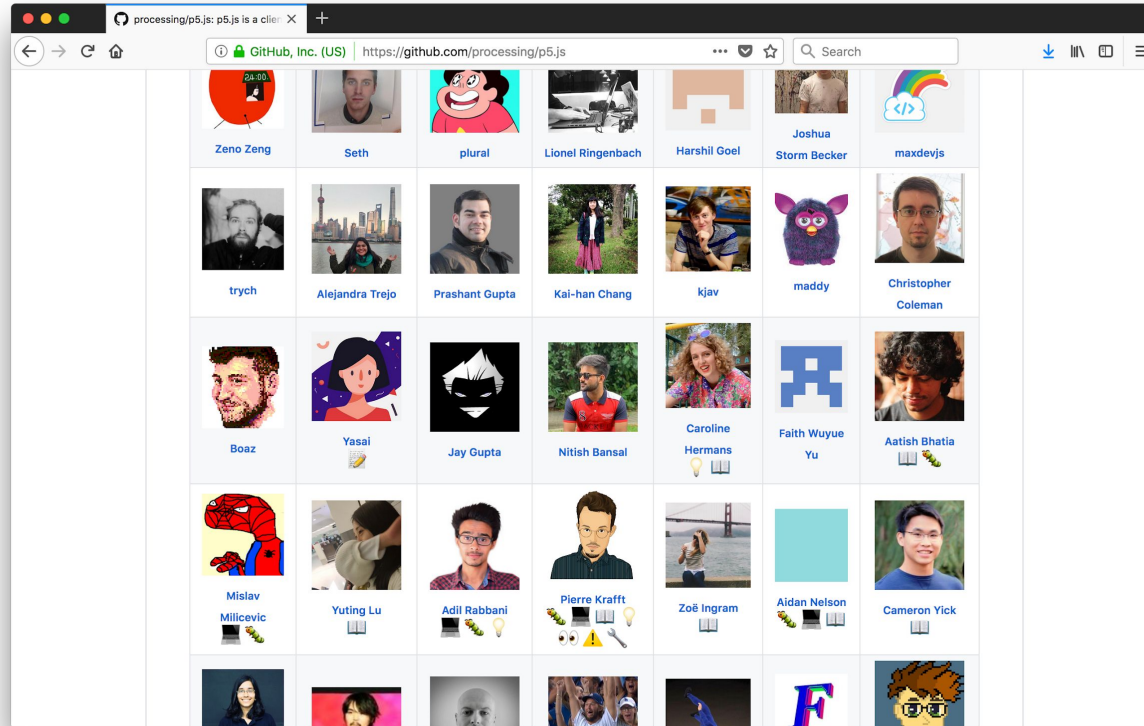
Want to contribute to processing/p5.js?

[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

The background of the slide features a photograph of a historic mission building, likely the San Diego de Alcalá Mission. The building is constructed of light-colored adobe and has a prominent bell tower with a cross on top. The image is overlaid with a semi-transparent magenta filter. The title text is positioned over the left side of the image.

It Takes a Village: An OSS Sustainability Framework

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

COLLECTIVE
ACCESS



blacklight



COLUMBIA UNIVERSITY
IN THE CITY OF NEW YORK

collectionspace
a community served by LYRASIS

ConservationSpace

CORAL

DURASPACE

EDUCOPIA
INSTITUTE

Fedora™



DSpace

EVERGREEN™



slandora

MetaArchive



Library Simplified
The Open Source Library Platform

LYRASIS



samvera™



omeka



WIKIMEDIA
COMMONS



LOTS OF COPIES
KEEP STUFF SAFE



Harvard University
Graduate School of Design

PKP
PUBLIC
KNOWLEDGE
PROJECT

Specify

Sakai

Stanford
University

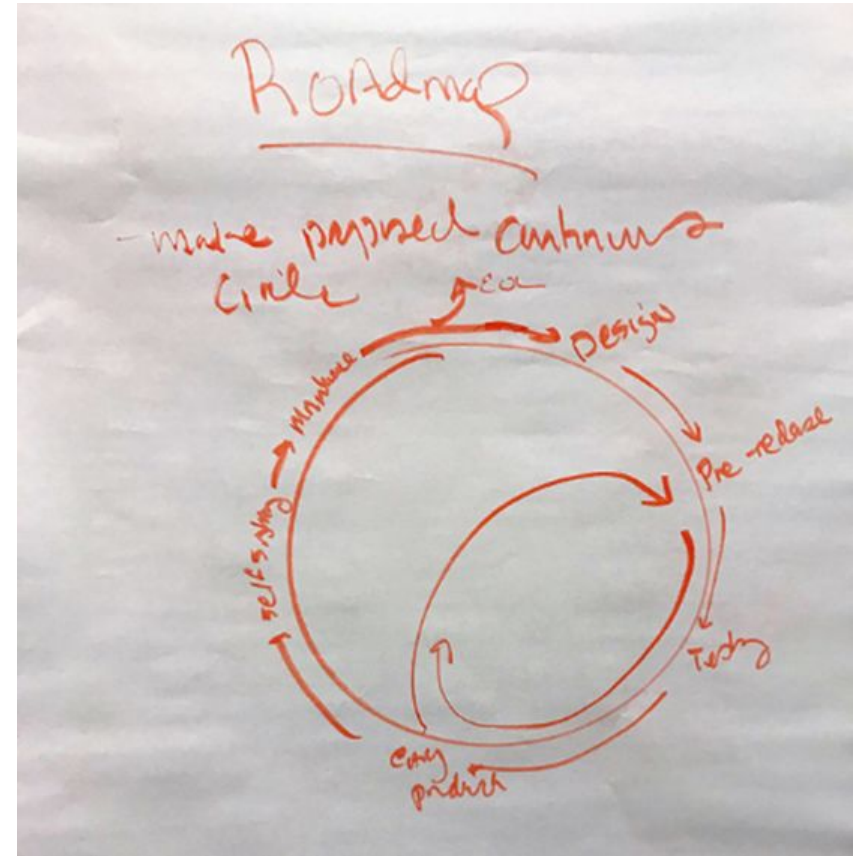
vufind
Search. Discover. Share.

vega

Academic
Publishing
System

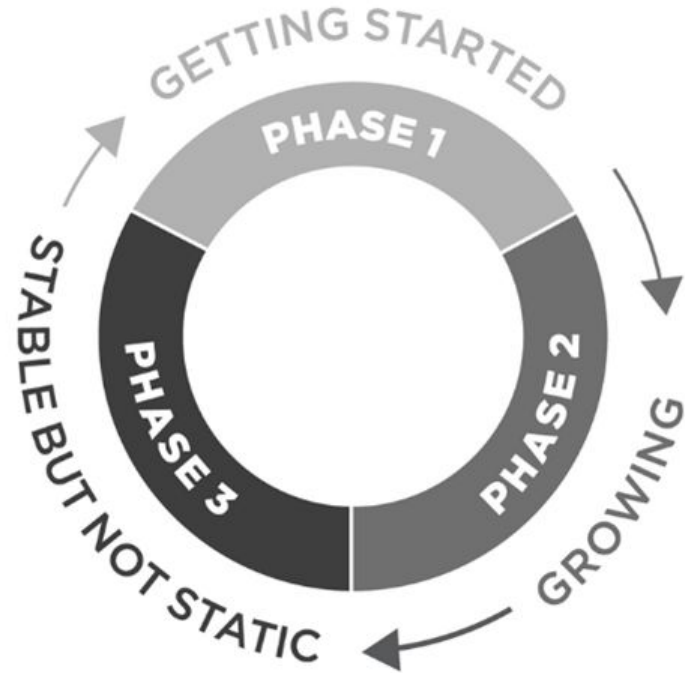
ITAV: Major Findings

- 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

Efforts to foster involvement within a community; users > stakeholders



Software development and challenges that impact the development process

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



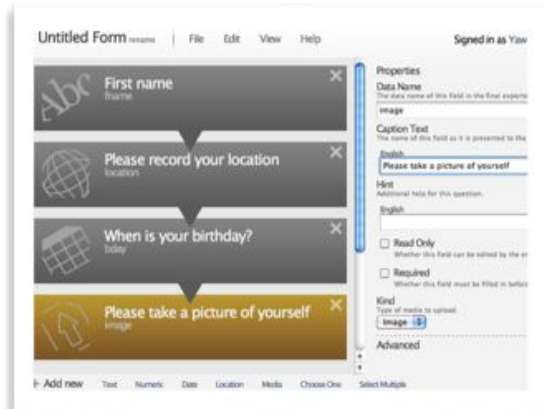
Open Data Kit – <https://opendatakit.org>



Nafundi – <https://nafundi.com>

ODK replaces paper forms with mobile devices

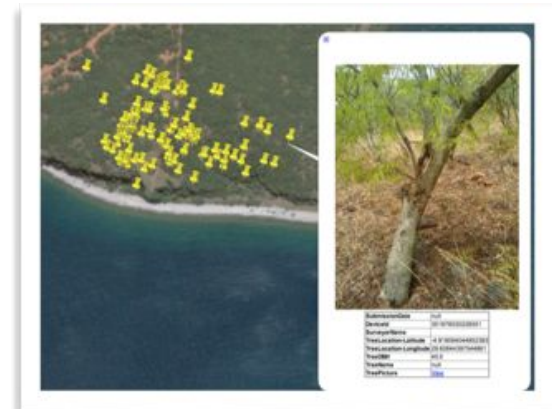
1. Build form



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



Training
Cohort-based

Mentorship
Ongoing 1:1 Support

Practice
Hands-on
experience

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

Open Leadership Framework
mzl.la/olf

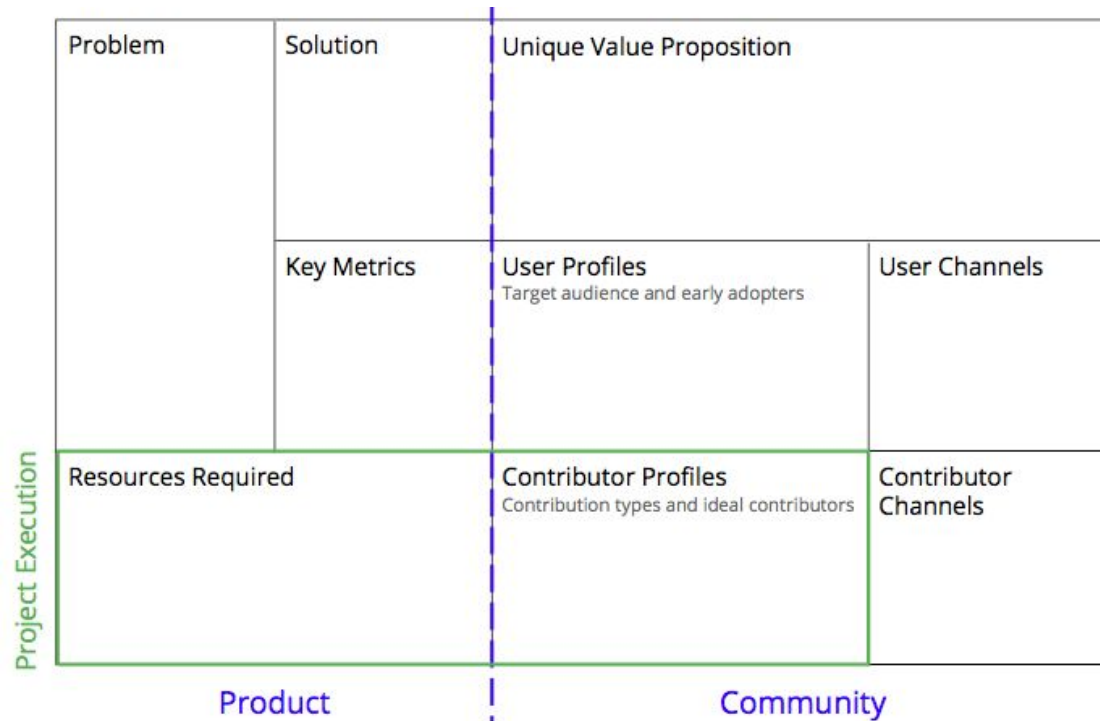
Any community, project or organization can be open

- **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...	<ul style="list-style-type: none"> • Content focus • Community interactions <ul style="list-style-type: none"> ◦ Learning through use • Storytelling 	<ul style="list-style-type: none"> • Information-sharing focus • Community interactions <ul style="list-style-type: none"> ◦ Gifting ◦ Enhancing value exchange ◦ Networking common interests 	<ul style="list-style-type: none"> • Governance focus • Community interactions <ul style="list-style-type: none"> ◦ Creating together ◦ Soliciting ideas • Project identity
Build for...	<ul style="list-style-type: none"> • Communication • Design • Facilitation • Maintenance • Project management 	<ul style="list-style-type: none"> • Commons-based production • Data stewardship • Documentation • Licensing • Networking 	<ul style="list-style-type: none"> • Decision-making • Delegation • Event planning • Community Management • Mentoring
Empower for...	<ul style="list-style-type: none"> • Maintains clarity of vision & purpose • Maintain authenticity & integrity • Stays curious 	<ul style="list-style-type: none"> • Makes connections • Resilience • Self-care 	<ul style="list-style-type: none"> • Embraces failure • Ensures safety • Inspires contribution

Open Canvas



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

GitHub can provide visibility into process and progress

opendatakit / roadmap ✓

Unwatch ★ Star 3 Fork

Code Issues 11 Pull requests 0 Actions Projects 2 More

Roadmap

Updated on Sep 12

Filter cards

Fullscreen Menu

2 Welcome!

This board is the roadmap for the ODK project maintained by the Technical Steering Committee (TSC)
<https://github.com/opendatakit/governance/tree/master/TSC1>

The categories have the following meanings:

- "Proposed": ideas or new features that are currently being discussed and details worked out, preferably via a Forum thread.
- "Under Review": roadmap items that recently have, or currently are, on a TSC agenda for review.
- "Approved": roadmap items that have been approved by TSC consensus (but not yet assigned to a specific developer). All approved items must have an associated github issue. Typically these are planned for release in the next 1-6 months.

24 Proposed

OpenID Support to ODK Collect and Briefcase and ...

Added by ukanga

Integrating Enketo with Central for form preview and web-based submission

<https://forum.opendatakit.org/t/integration-of-enketo-into-odk-central/13992>

Added by tiritea

Create a policy around what repos committers have access to and when that access is removed.

Added by yanokwa

Grid of text or numeric input

<https://forum.opendatakit.org/t/form-design-grid-of-text-or-numeric-input/13398/2>

Added by lognaturel

6 Under Review

Match forms in local form list to server form list.

<https://forum.opendatakit.org/t/have-collect-exactly-match-the-forms-on-central/23101/4>

Added by yanokwa

ODK Aggregate to Central migration strategy (needs governance doc?)

- <https://forum.opendatakit.org/t/upcoming-changes-to-aggregate/17582>
- <https://forum.opendatakit.org/t/whats-coming-in-central-over-the-next-few-years/19677>

Do we need more than the above?

Added by tiritea

Proposal: new ODK logo

#45 opened by tiritea in opendatakit/governance

2 Approved

Open selects

<https://forum.opendatakit.org/t/allow-custom-choices-for-selects-that-get-saved-to-the-same-field-xforms-open-selects/22788>

Added by yanokwa

Change reasons

<https://forum.opendatakit.org/t/approaches-for-linking-form-instance-changes-to-individuals/20189/8>

Added by yanokwa

5 In Progress

Form with 'identify-user=true' audit attribute adds identifier to audit log events

2 of 6

#3435 opened by seadowg in opendatakit/collect

in progress

Dependent value updates (lightweight timestamping, dynamic defaults)

2 of 3

#4 opened by yanokwa

needs pyxform

ODK Central 0.7 release

#86 opened by issa-tseng in opendatakit/central


Remembering previously entered values in Collect




#30 opened by cooperka

needs pyxform

JavaRosa and Collect performance improvements for external data

Discourse complements GitHub to provide context

 Forum



all categories ▾

Categories

Latest









New (2)

Unread (295)

Top

Calendar

+ New Topic

Category	Topics	Latest
Announcements Release summary, changes to governance, and other important information that goes to everyone. If you have an idea for an announcement, share it in Community and an admin will post it.	7	 Is there any supported method of syncing ODK2? ■ Support 4h
Community Welcome new community members, discuss events and talks, and connect with the people that make ODK possible. If you are unsure of the category to post, this is a good default. ■ Local 2 unread	137 5 unread	 استمارة التحقق ■ Support odk-x-survey, odk-collect 4h
Support Have a question about form design, installing and using ODK, or are seeing unexpected behavior with an ODK tool, post here. Support is provided by the community, so be patient and kind!	8481 274 unread 2 new	 OpenRosa spec proposal: add matchExactly attribute to form list response ■ Development 5h
Features Discuss features on your ODK wishlist and share ideas for improving existing features. No technical knowledge needed!	192 2 unread	 Have Collect exactly match the forms on Central ■ Features 0 votes 5h
Development Discuss the process of building and modifying ODK: dev setups, code structure, APIs, translations, docs. Form design questions or usage questions should go to Support . ■ Documentation ■ Translation 1 unread ■ Infrastructure ■ Website	1653 8 unread	 SMS Compression ■ Features 0 votes 7h
Releases	104	 ODK Collect handshake failed ■ Support odk-collect 8h
		 Limit number of Register user ■ Support odk-aggregate 8h
		 ODK Briefcase error while pulling from Collect directory 8h

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