

Community Health and Sustainability



April 26th, 2018, Omaha, NE

Thanks!



Alfred P. Sloan
FOUNDATION

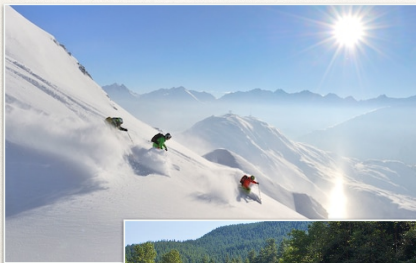


UNIVERSITY OF
Nebraska
Omaha



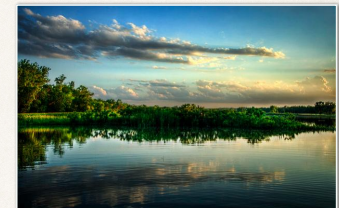
University of Nebraska
FOUNDATION

Welcome



Omaha

- ❖ UN-Omaha and Creighton
- ❖ 950,000 people
- ❖ Conor Oberst and Alexander Paine
- ❖ 5 or 6 Fortune 1000 companies
- ❖ Nice Districts Throughout



Agenda



9am - Welcome, Introductions, and Gift Exchange
9:30am - Community Health and Sustainability - Existing and Near-neighbor Efforts
10:15am - Break
10:30am - Breakout Sessions for Identifying Health and Sustainability Issues Relevant to Your Context
11:30am - Break for Lunch (Walk - Sean will pay at Voodoo Taco)
1:00pm - Summaries and Discussion from Breakout Sessions
1:30pm - Breakout Sessions for Identifying Health and Sustainability Issues that are Cross-context
2:30pm - Break
3:00pm - Summaries from Consensus-building from Breakout Sessions
4:00pm - Conclude
6:30pm - Dinner at Pitch Pizza in Dundee

April 27th
9am - Sharing work around Health and Sustainability -- Laying a Foundation
9:15am - Breakout Sessions On Laying a Foundation
10:30am - Break
11am - Summaries and Discussion from Breakout Sessions
12noon - Concluding Remarks

Workshop Goals



- ❖ More informed sense of similarities and differences health and sustainability in the open communities represented here
- ❖ What to pay attention to and what to coordinate around in the future
- ❖ Reduce fragmented efforts
- ❖ Develop connections and explore collaboration opportunities between people with shared interests
- ❖ Summary publication of the workshop

Community Health and Sustainability: Existing and Near-neighbor Efforts

❖ CHAOSS



CHAOSS

Metrics

Growth/Maturity/Decline
Diversity & Inclusion
Risk
Value

CHA^{SS}

Metrics

Growth/Maturity/Decline
Diversity & Inclusion
Risk
Value

Software

GrimoireLab
Augur
Prospector
Cregit

CHA^{SS}

Metrics

Software

Workgroups

CHA^{SS}

Metrics

Software

Workgroups

Field

Community Health and Sustainability: Existing and Near-neighbor Efforts

- ❖ CHAOSS
- ❖ Mozilla Diversity & Inclusion
- ❖ SciStarter 2.0
- ❖ What else is going on?

Breakout Sessions for Identifying Health and Sustainability Issues Relevant to Your Context

- ❖ Goals
- ❖ Questions
- ❖ Metrics

Etherpad

<https://public.etherpad-mozilla.org>

- Morning OSS
- Morning Citizen Science

Summaries and Discussion from Identifying Health and Sustainability Issues Relevant to Your Context Breakout Sessions

Openness Index – Determining the True Openness of Open Source Projects

Ibrahim Haddad, Ph.D.



OPENNESS INDICATORS

[insert intro](#)

The success of an open source project depends on many metrics, most of which can be grouped under a single category: openness.

- License
- Governance
- Access
- Processes
- Development
- Community Structure
- Tools
- Release Openness
- Roadmap
- Diversity of Contributors
- Compliance Considerations
- Documentation

In this article, we examine each of these indicators, and discuss how their openness can contribute to the health and openness of the overall project.

Summaries and Discussion from Identifying Health and Sustainability Issues Relevant to Your Context Breakout Sessions — Open Source

- ❖ Sustainability: Ability to develop software over time
- ❖ More about large scale people and artifact issues
 - ❖ Ecosystem impact
 - ❖ Organizational configurations
 - ❖ Metrics across project lifecycle
- ❖ Less about any particular metric

Summaries and Discussion from Identifying Health and Sustainability Issues Relevant to Your Context Breakout Sessions — Citizen Science

- ❖ Many facets of sustainability
- ❖ Heavy focus on the people
 - ❖ Precision on goals/questions/metrics
 - ❖ Skills, duration, structures (governance and technical),

- ❖ Open Source: Projects persist and want to maintain engagement within the project
- ❖ Citizen Science: Projects end and they want a path forward for the community that assisted in that project
- ❖ Open Source: Raise persistent engagement
- ❖ Citizen Science: Support drive-by engagement

Suggestions

- ❖ Retain the Goal - Question - Metric Approach
 - ❖ Goal: Understand the Growth of a Project
 - ❖ Question: How many new contributors were there this month?
 - ❖ Metric: Number of new contributors measured by commits
- ❖ Attend to shared and consistent language
- ❖ Consider shared actionable items that can advance understanding of citizen science and open source project health and sustainability.

Breakout Sessions for Identifying Cross-context Health and Sustainability Issues

- ❖ Similarities and Differences and Anything New

Etherpad

<https://public.etherpad-mozilla.org>

- Afternoon Group A
- Sean, Ray, James, Aaron S., Becky, Greg, Aaron H., Kevin,
- Afternoon Group B
- Georg, Don, Hanna, Vinod, Carsten, Jonathan, Holly

Shared: Identifying Cross-context Health and Sustainability Issues

- ✦ Who are the GQM for?
- ✦ Attract and retain contributors
- ✦ Make it easier for new contributors to participate in the project (train, socialize, and onboard)
- ✦ Improve project impacts and outcomes
- ✦ Encourage and measure pathways of people and artifacts between disparate projects
- ✦ Understanding a set of useful project categories, genres or groupings that will aid in framing a set of metrics useful for making sense of project health.

Unique: Identifying Cross-context Health and Sustainability Issues

- ✦ Integrate contributions from new or "drive-by" members with those of longer-term, engaged members
- ✦ Engage new diverse audiences
- ✦ Encourage new / casual contributors to become "core members" of the community
- ✦ Fix bugs in a timely manner
- ✦ Make contribution easy while maintaining quality
- ✦ Bring online projects offline via meet-ups, etc
- ✦ Small-group participation challenges within the larger citizen science community
- ✦ Project is a source of rewarding employment opportunities
- ✦ Impact of governance structures on the project

Thanks!



Alfred P. Sloan
FOUNDATION



UNIVERSITY OF
Nebraska
Omaha



University of Nebraska
FOUNDATION

My Takeaway

- ❖ People — It's all about the people



Breakout Sessions on Sharing Work around Health and Sustainability -- Laying a Foundation

- ❖ Who needs to be part of this conversation? Who do you know is missing?
- ❖ What are the next steps to advance the conversation?
- ❖ What are the resources you need?
- ❖ Fundraising health metrics and strategies for open and citizen science projects
- ❖ Match up phenomena in Open Source/Citizen Science/Open Knowledge production. E.g. How are *bugs* similar or different to what we see in Wikipedia and Citizen Science.

Etherpad

<https://public.etherpad-mozilla.org>

- Day 2 OSS
- Day 2 Citizen Science

Summaries and Discussion from Breakout Sessions on Sharing Work around Health and Sustainability -- Laying a Foundation

Group Picture

What's Next?

- ✦ What should we **DO**?
- ✦ How can we stay in touch?
- ✦ Where can we share this conversation?
- ✦ Publication regarding methods (per Carsten) and taxonomy
 - ✦ CACM Practice
 - ✦ Nature Comment
 - ✦ Citizen Science Theory & Practice: Essay
 - ✦ CSA Conference - May 2019