

Community and Sustainability

Open Source Software

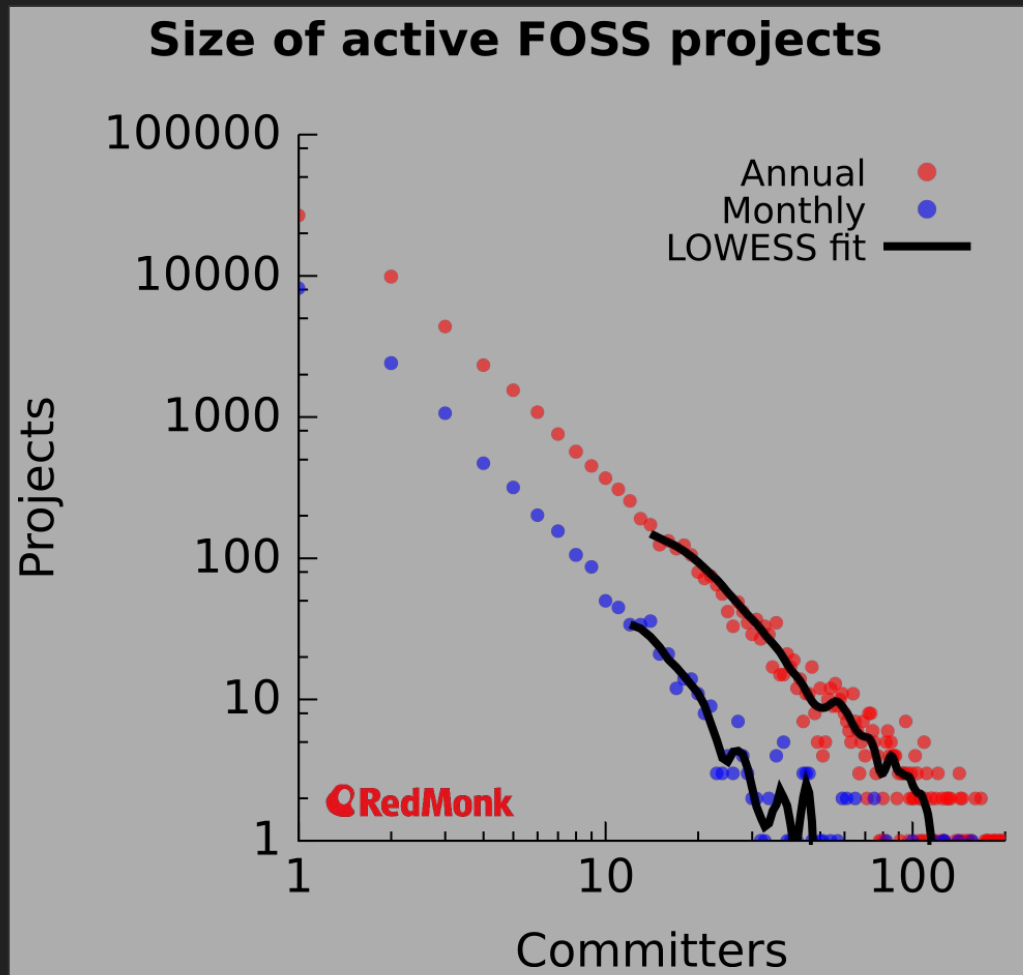
Dr. Marcus D. Hanwell
1 March, 2016

Scratching an itch

Join one, or
start your own?

How big are FOSS
communities?

One



51% have ONE
developer

87% of projects
have less than 5
contributors!

Large projects are
outliers,
not the norm

Measure activity

GitHub
OpenHub
Analytics

All about people

Who owns open
source projects?

No one: right to fork

Forking as a last
resort

XFree86
and
XOrg

Governance Models

Cathedral and the Bazaar

Benevolent dictator

Meritocracy

Doctor Who Regeneration Model

Small projects
are easier

Inflection point as
projects grow >20

Exercise: analysis of five projects

<http://github.com>

<http://openhub.net>

Growing a
community

Develop great code!

Licensing

Project hosting

IRC

Issue trackers

Mailing lists

Website

Social media

Code review

Continuous integration

Documentation

Other tools

Sustainability

Core values

Engagement

Onboarding

Mentoring

Communication

Coordination

Everyone will leave

Recruiting

Hackathons

Conferences

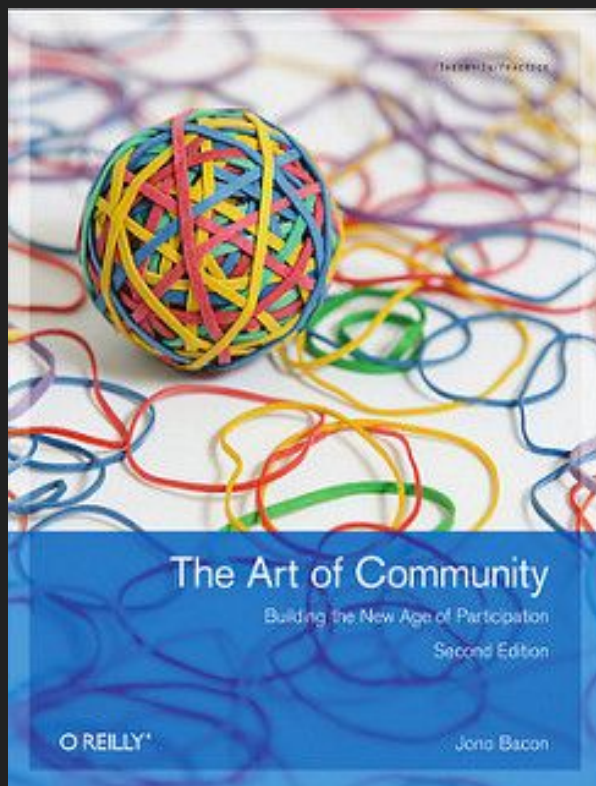
Advertising

Branding

Funding

Promotion

Google Summer of Code





ORGANIZATION FIELD GUIDE

Practical Tips for Igniting Passion
and Performance

A community-produced companion to
The Open Organization

Be a catalyst,
not a commander

Find a model for
sustainability

Passion is infectious

Listen, but
not too much!

Linux kernel

Red Hat

Gentoo

Ubuntu

KDE

VTk

Avogadro

Qt

Closing thoughts...