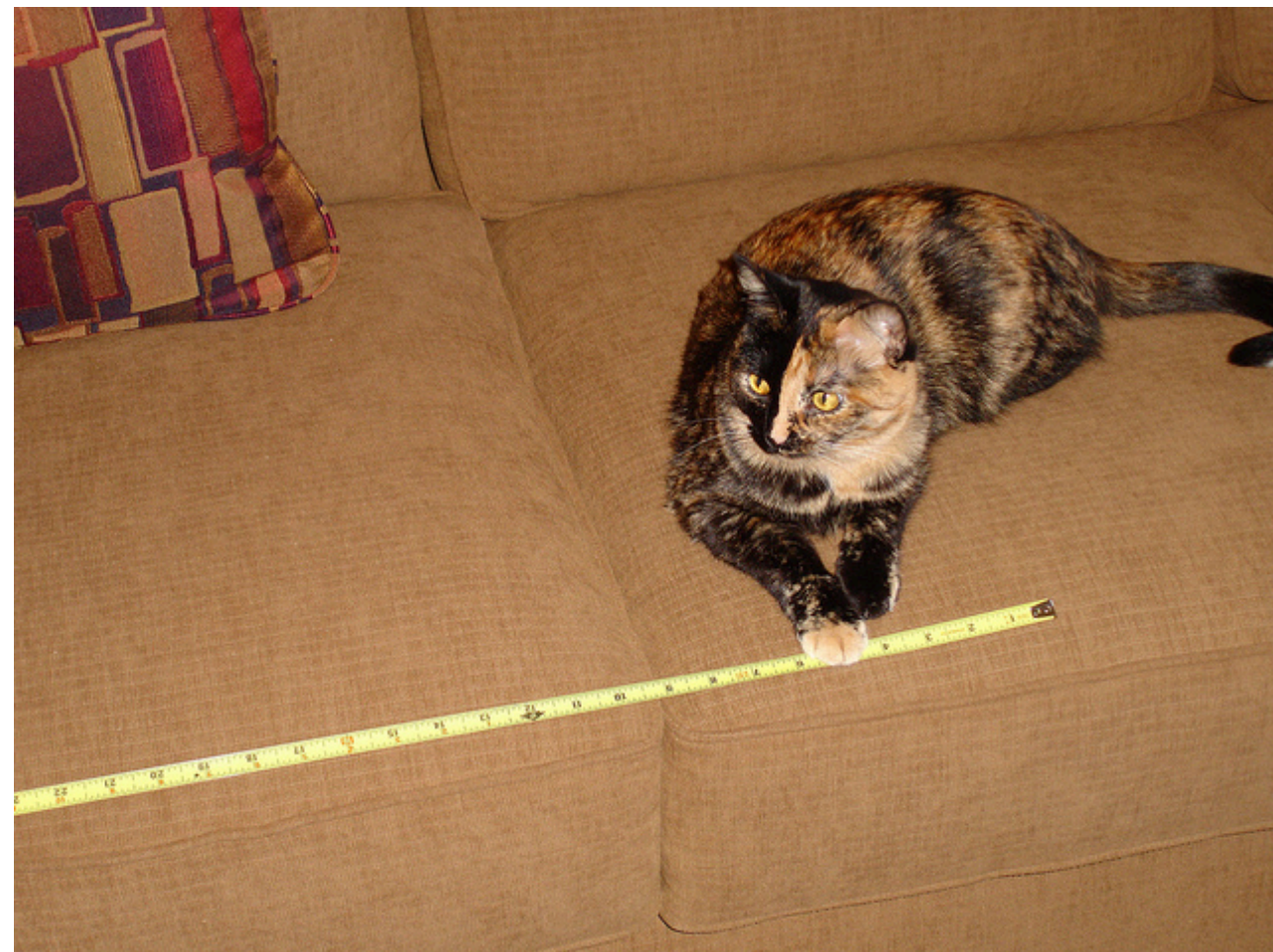# BUILDING A COMMUNITY METRICS STRATEGY

Dawn M. Foster

OSS Strategy Lead at Pivotal

@geekygirldawn
dawn@dawnfoster.com

FOSDEM Community Devroom 2019
Slides posted: fastwonderblog.com/speaking

http://www.flickr.com/photos/tlk/5630885373/

WHOAMI

Geek, traveler, reader

OSS Strategy Lead at Pivotal

**20+ year tech career
(Intel, Puppet Labs, …)**

PhD researching Linux kernel

CHAOSS Board Member

Bitergia Advisory Board

Photos by Josh Bancroft, Don Park

DEFINING COMMUNITY

Community = People

users, developers,

marketing, evangelism,

documentation, vendors ...

Photo by marya

METRICS ARE USEFUL

Measure progress, learn, spot trends and recognize contributors.

Photo by Marg

START WITH GOALS

What is

important for

your project?

https://www.flickr.com/photos/notemily/4765937286

WHY FOCUS ON GOALS?

Avoid a mess:

measure the right things,

encourage good behavior.

https://www.flickr.com/photos/94255673@N00/2156221490

@geekygirldawn

SET UP THE *RIGHT* METRICS

Start with your goals

and find the right metrics.

MEASURE TOO MUCH

Help in the future when

goals have changed or

the unexpected happens.

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NOW WHAT?

Report regularly,

share with your community

and recognize contributions.

https://www.flickr.com/photos/quinnanya/5092218940

EXAMPLE

kubernetes

Pivotal

CNCF METRICS

DevStats projects:

Graduated

Kubernetes Prometheus Envoy

Incubating

OpenTracing Fluentd gRPC containerd rkt CNI Jaeger

Incubating

Notary TUF Vitess CoreDNS NATS Linkerd Helm Rook Harbor etcd

Sandbox

OPA SPIFFE SPIRE CloudEvents Telepresence OpenMetrics TiKV Cortex Buildpacks Falco

Sandbox

Dragonfly Virtual Kubelet

CNCF

All CNCF

https://devstats.cncf.io/

VANITY METRICS

Company	Number
All	1412221
Google	552673
Red Hat	253800
Huawei	31675
Independent	28044
VMware	27693
IBM	23400
Microsoft	21166
Fujitsu	16948
Weaveworks	16277
Movies Anywhere	11477
CNM Consulting	11360

@geekygirldawn   https://k8s.devstats.cncf.io

SIGS

Repository group	User names	Opened PRs
SIG Testing	Hannes Hoerl, Hannes Hörl	27
Kubernetes	Hannes Hoerl, Hannes Hörl	11
Kubernetes	John Calabrese	11
SIG CLI	Hannes Hoerl, Hannes Hörl	11
SIG Testing	Gareth Smith	11
SIG API Machinery	Hongxu Ma, interma	8
SIG CLI	Gareth Smith	7
Kubernetes	Ben Moss	3
SIG Cluster Lifecycle	Hannes Hoerl, Hannes Hörl	3
SIG Contributor Experience	Gareth Smith	3
Kubernetes	Maria Ntalla	2
SIG Contributor Experience	Claudia, Claudia Beresford	2
SIG Contributor Experience	Dawn Foster, Dawn M. Foster	2
SIG Contributor Experience	Hannes Hoerl, Hannes Hörl	2
SIG Docs	Glyn Normington	2
SIG Release	Hannes Hoerl, Hannes Hörl	2

@geekygirldawn   https://k8s.devstats.cncf.io

BITERGIA/GRIMOIRELAB

Authors

Search

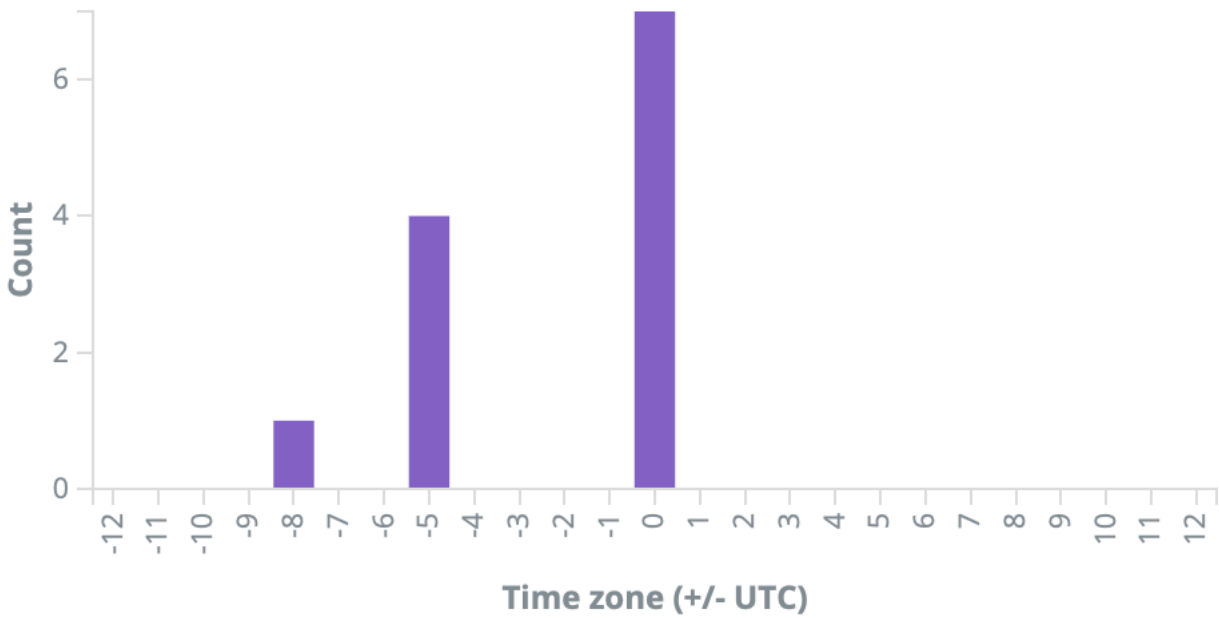| Author	Commits	Projects	Added Lines	Removed Lines	Avg. Files
Hannes Hoerl	5	1	760	399	3.8
Claire Laurence	2	1	3	2	1
Ben Moss	1	1	112	0	1
Dawn Foster	1	1	1	1	1
James Bayer	1	1	1	1	1
Leah Hanson	1	1	6	0	1
Maria Ntalla	1	1	1	1	1

Commits by Time Zone

Time zone (+/- UTC)

Repositories

Search

Repository	Commits	Authors	Organizations	Added Lines	Removed Lines	Avg. LInes/Commit	Avg. Files/Commit
https://github.com/kubernetes/features.git	2	2	1	118	0	59	1
https://github.com/kubernetes/utils.git	2	2	1	173	1	87	2.5
https://github.com/kubernetes/apiserver.git	1	1	1	358	326	684	1
https://github.com/kubernetes/cloud-provider-azure.git	1	1	1	1	1	2	1
https://github.com/kubernetes/community.git	1	1	1	1	1	2	1
https://github.com/kubernetes/kube-controller-manager.git	1	1	1	27	27	54	1
https://github.com/kubernetes/kube-scheduler.git	1	1	1	27	27	54	1
https://github.com/kubernetes/kubernetes.git	1	1	1	176	19	195	12
https://github.com/kubernetes/org.git	1	1	1	1	0	1	1
https://github.com/kubernetes/sig-release.git	1	1	1	2	2	4	1

DASHBOARDS

Use existing

Create your own

Pay someone

OTHER METRICS

Diversity & Inclusion

Leadership

Specific items

Image by Takashi Hososhima

@geekygirldawn

JOIN US!

http://chaoss.community

GET STARTED
https://chaoss.community/participate/
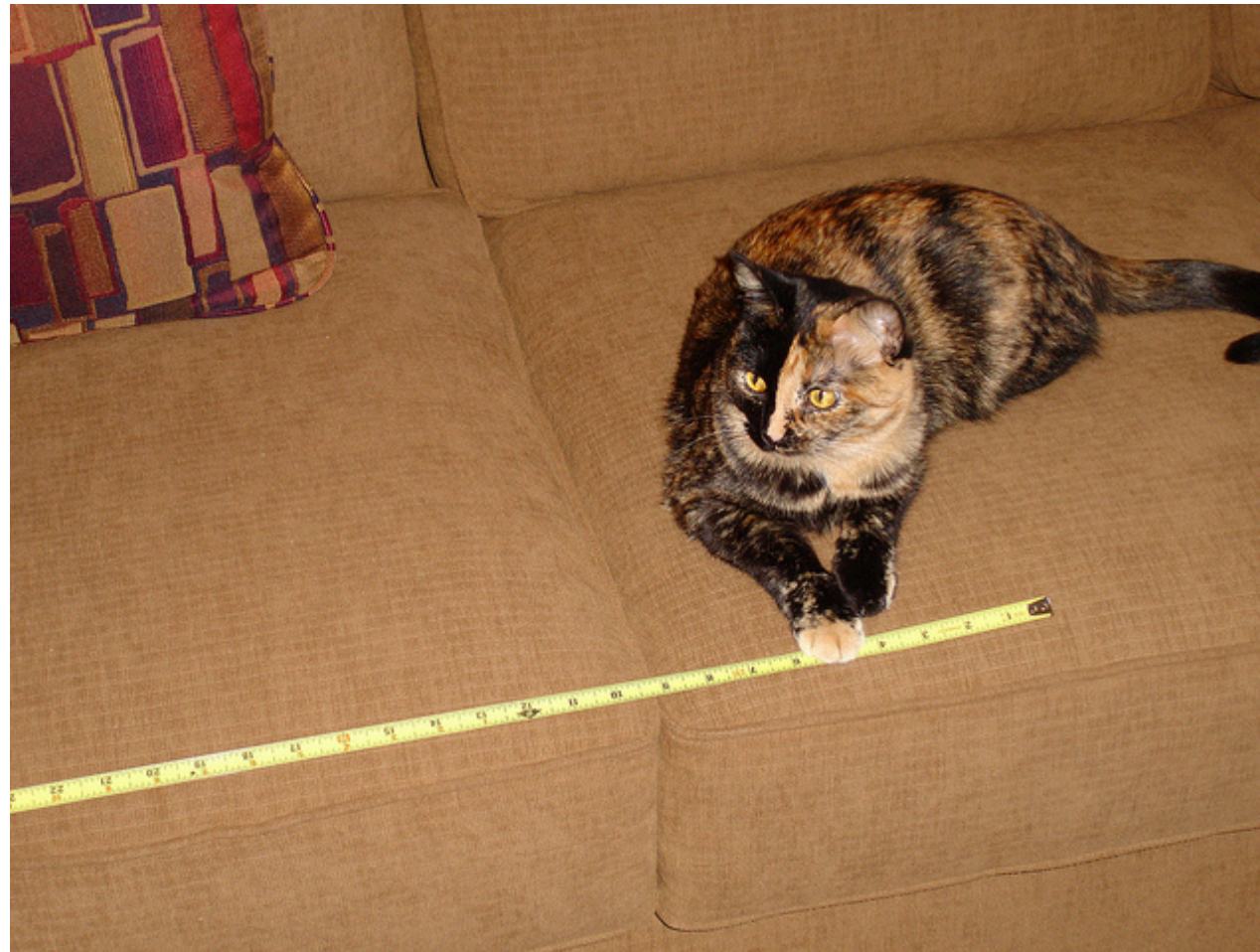
3 Working Groups

Mailing Lists

Regular Calls

All skills needed

THANK YOU

Dawn Foster
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fastwonderblog.com