

# Establishing OSPO Metrics

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OSPO OnRamp  
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#opensource #business





**OSPO++** : *OSPO in universities, governments, and civic institutions*



**OSPO Zone**: *The OSPO Alliance's platform for sharing and promoting world class materials on good governance for Open Source Program Offices.*



**TODO Group**: *open group of organizations who want to collaborate on practices, tools, and other ways to run successful and effective open source projects and programs*



**Outdoors**

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**OSPO**

**Indoors**

Outdoors

OSPO

Indoors



Outdoors

OSPO

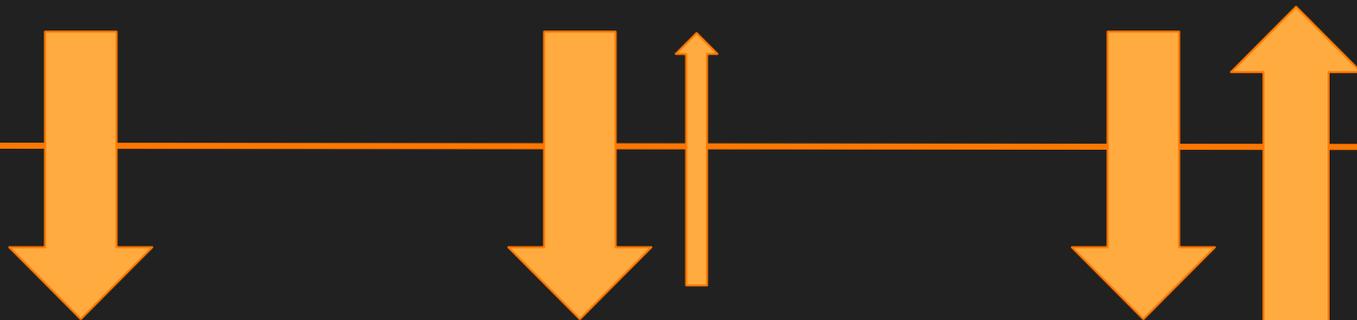


Indoors

Outdoors

Indoors

OSPO



**Outdoors**

**OSP0**

**Indoors**

**Outdoors**

**Reputation**

**Talent attraction**

**Use modern tools**

**Cost effective**

**Many more...**

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**OSPO**

**Indoors**

**Central place to organize OSS**

**Advice and training**

**Create workflows to safely  
(compliance) use and contribute  
back**

**Foster OSS culture**

**And some others :)**

**Share this! @Bitergia**

**Outdoors**

**What is your business goal when building an OSPO? What are you trying to achieve?**

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**OSPO**

**Indoors**

Common Goals  
*by the GGI Group*  
<https://ospo.zone/ggi/>

1- **Usage**

2- Trust

3- Culture / Community

4- Engagement / Support

5- **Strategy** / Governance

## Common Goals *by the TODO Group*

<https://todogroup.org/guides/measuring/>

- 1- **Efficient** and **compliant use** of OSS
- 2- Increase developer **productivity**
- 3- Create and **grow** open source projects
- 4- Recruit and **retain** developers
- 5- **Promote OSS Culture**
- 6- **Align** OSS community interest and product interest

Impact Openness Growth  
Influence Leadership Community  
Engagement Diversity Transparency  
Community Health Performance  
Collaboration Delivery  
Resilience

The OSPO  
Manager daily  
faces



Political background hat

Internal marketing hat

Building external reputation hat

Human resources hat

Training hat

Agent of change hat

Cultural change hat

Reporting hat

Fight against internal inertia

# Recap

Intro to OSPO flavours

OSPO Goals

OSPO Manager Hats

Other internal stakeholders

## Intro to OSPO flavours

Different goals depending on the type of OSPO you are:

OSPO Goals

*Academic institution*

OSPO Manager Hats

*Large corporation*

Other internal stakeholders

*Medium size company*

Intro to OSPO flavours

## **OSPO Goals**

The OSPO then may have  
different goals

OSPO Manager Hats

Let's choose **Impact** and  
**Influence**

Other internal stakeholders

Intro to OSPO flavours

OSPO Goals

## **OSPO Manager Hats**

Each of the hats have different ways of looking at metrics, and KPIs

Other internal stakeholders

Intro to OSPO flavours

Community managers

OSPO Goals

Developer advocates

OSPO Manager Hats

Business people

**Other internal stakeholders**

Product teams

Marketing

Let's discuss strategy and  
method

Embed metrics in your daily planning and decision making process => Have a metrics strategy in place

Let's discuss strategy and method

Follow a reproducible method, and document it!

Use OSS tools for algorithms traceability

Let's discuss strategy and method

Embed metrics in your daily planning and decision making process => Have a metrics **strategy** in place

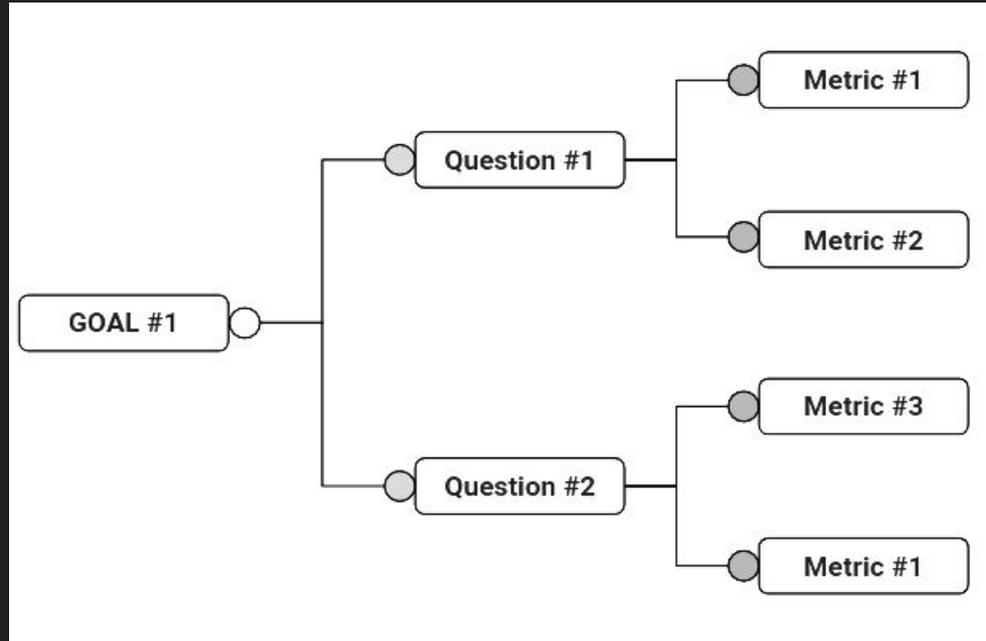
Follow a reproducible **method**, and document it!

Use **OSS tools** for algorithms traceability

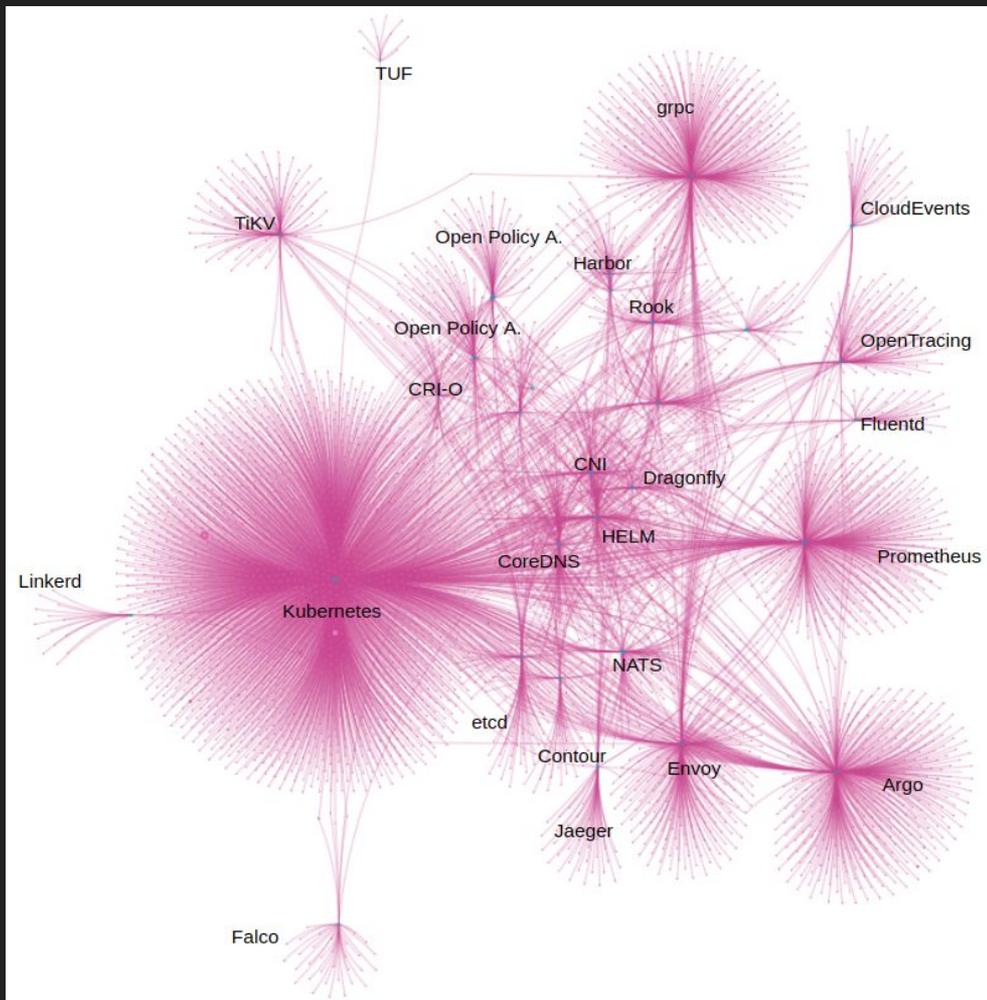
# Strategy



# Method



# Tools



*From Art to Science: The Evolution of Community Development.*  
*Diane Mueller and Daniel Izquierdo.*

*IEEE Software Volume:*  
*36, Issue: 6, Nov.-Dec.*  
*2019*

<https://www.cncf.io/blog/2020/08/04/a-guide-to-untangling-the-cncf-cross-community-relationships/>

*Analysis done using GrimoireLab / Bitergia Analytics*

<https://bitergia.com/ospo>

Share this! @Bitergia

# GrimoireLab - *Free, libre, OSS* tools for software development analytics



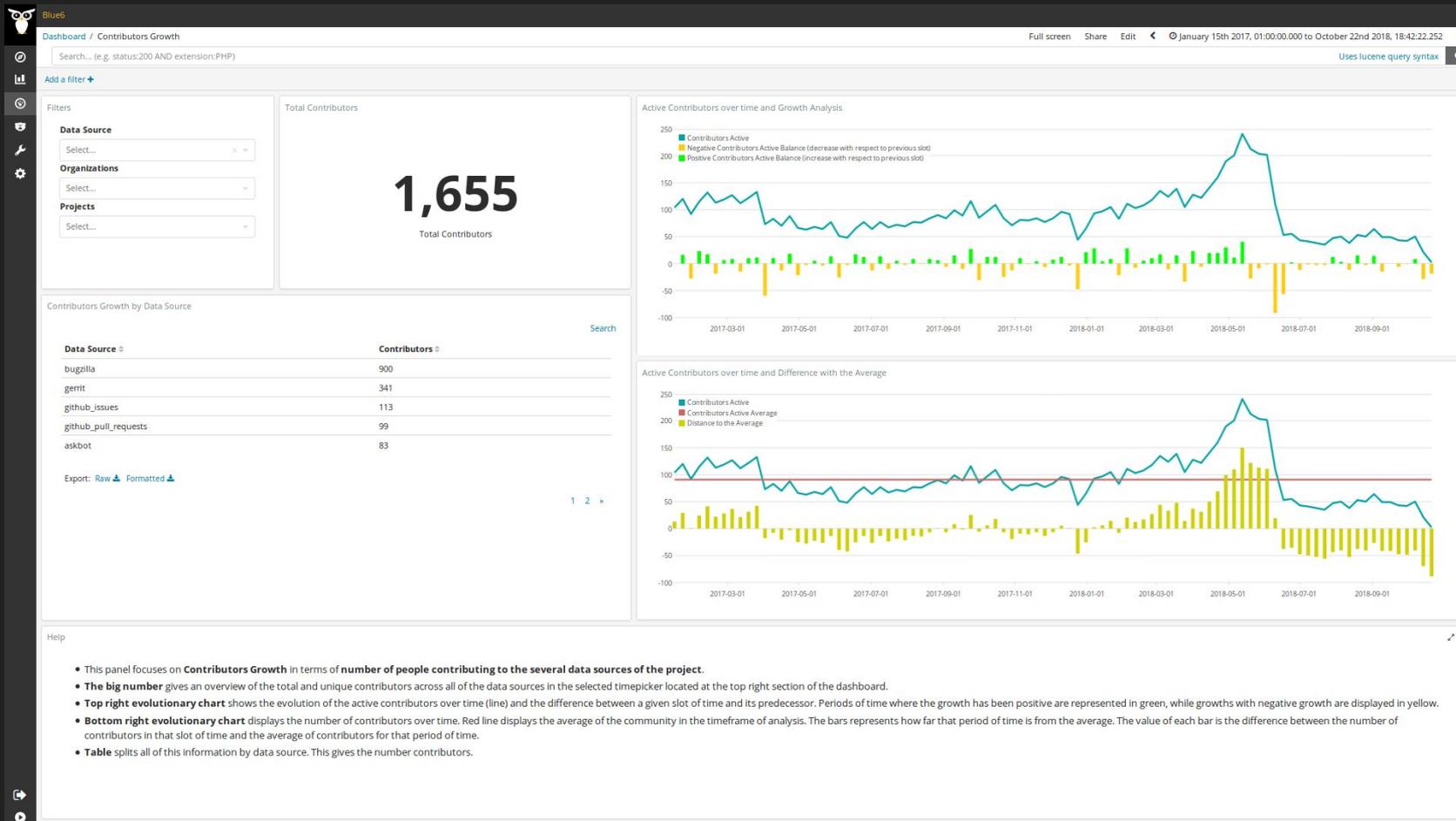
Sigils / **Use Cases** -

<https://chaoss.github.io/grimoirelab-sigils/>

**GrimoireLab** -

<https://chaoss.github.io/grimoirelab-sigils/>

# Contributors Growth



# Attraction and Retention Rate

Dashboard / Demographics Full screen Share Edit ◀ Last 10y ▶

Uses lucene query syntax 🔍

data\_source: "git" Add a filter + Actions ▶

### Summary

**1,489**

Contributions

**29**

Authors

### Data Source

**Data Source**

Apply changes
Cancel changes
Clear form

### Contributions

### People Leaving

### Contributors Becoming Inactive

Search ▲

Last contribution sent between (6 and 12 months ago) ⌵	Author ⌵	Last Contrib Date ⌵	Contribs ⌵
Oct 8th 2018, 10:51 to Apr 8th 2019, 10:51	Colleen Fogarty	Mar 19th 2019, 13:04	1
Oct 8th 2018, 10:51 to Apr 8th 2019, 10:51	Maureen Pflanz	Mar 4th 2019, 17:54	1
Oct 8th 2018, 10:51 to Apr 8th 2019, 10:51	Wiley	Nov 6th 2018, 22:37	2
Oct 8th 2018, 10:51 to Apr 8th 2019, 10:51	Gregory Baker	Oct 14th 2018, 15:19	1

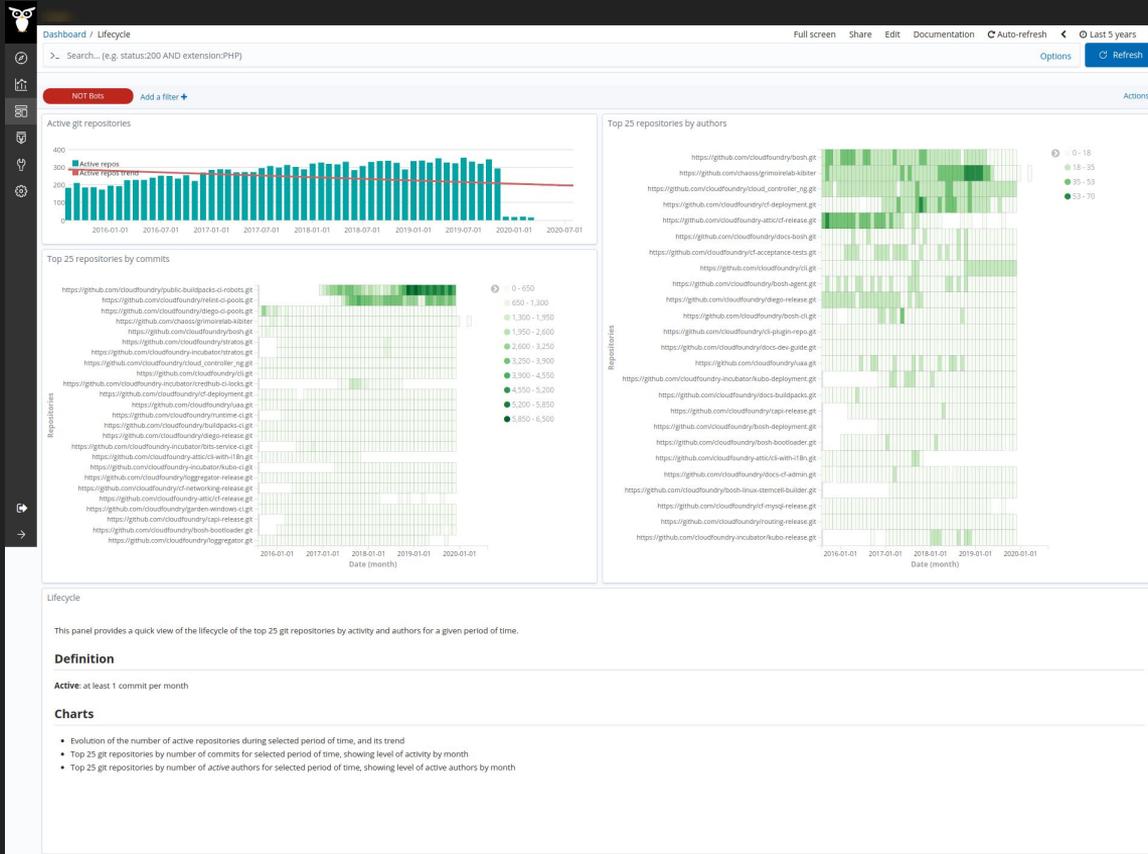
### Attracted Developers

### Last Attracted Developers

Search ▲

Author ⌵	First Contrib Date ⌵	Contributions ⌵
Victor Morales	Jul 8th 2019, 16:55	1
gibbericharts	May 17th 2019, 10:22	1
Colleen Williams	May 14th 2019, 10:21	1
Annexville Energy	May 3rd 2019, 13:28	1
Victor Gordon Kelly Toledo	Apr 8th 2019, 15:48	1

# Software Lifecycle



Dashboard / Discourse DevRel

Search... (e.g. status:200 AND extension:PHP)

NOT Bots Add a filter

Posts Created

■ Posts / day (Questions and Answers)  
■ Posts: 30d Rolling Avg.  
■ Posts: 60d Rolling Avg.  
■ Posts: 90d Rolling Avg.

Posts (Questions and Answers): Top 30 Contributors

Mar 4th 2020 to Jun 2nd 2020: Top 30 Contributors			
Author	Profile	Organization	Posts
	Go to Hatstall	Unknown	40
	Go to Hatstall	Unknown	31
	Go to Hatstall	Unknown	16
	Go to Hatstall	Unknown	13
	Go to Hatstall	Unknown	10
	Go to Hatstall	Unknown	10
	Go to Hatstall	Unknown	7
	Go to Hatstall	Unknown	6
	Go to Hatstall	Unknown	6
	Go to Hatstall	Unknown	6

Apr 3rd 2020 to Jun 2nd 2020: Top 30 Contributors			
Author	Profile	Organization	Posts
	Go to Hatstall	Unknown	36
	Go to Hatstall	Unknown	23
	Go to Hatstall	Unknown	16
	Go to Hatstall	Unknown	13
	Go to Hatstall	Unknown	10
	Go to Hatstall	Unknown	10
	Go to Hatstall	Unknown	7
	Go to Hatstall	Unknown	6
	Go to Hatstall	Unknown	6
	Go to Hatstall	Unknown	6

May 3rd 2020 to Jun 2nd 2020: Top 30 Contributors			
Author	Profile	Organization	Posts
	Go to Hatstall	Unknown	19
	Go to Hatstall	Unknown	11
	Go to Hatstall	Unknown	11
	Go to Hatstall	Unknown	9
	Go to Hatstall	Unknown	5
	Go to Hatstall	Unknown	5
	Go to Hatstall	Unknown	5
	Go to Hatstall	Unknown	5
	Go to Hatstall	Unknown	4
	Go to Hatstall	Unknown	4

Export: Raw Formatted

1 2 3 4 >

Discourse Activity, Active Authors, and Posts

This dashboard focuses on Discourse activity, and active authors in different timeslots

**Posts Created:** Number of new posts by month 30/60/90 day rolling avg posts/day. This calculates the numbers per day, as rolling averages are per day too. Metric says posts: a post is either a question or an answer (this can be easily modified to count only one of them or to count them separately).

**Posts:** Top 30 contributors in the last 30/60/90 days (excluding any automated tooling).

- To filter bots there is a filter on top of the dashboard.
- Links to Hatstall are provided within the tables to allow to editing profiles in case there are unmerged profiles or bots that are not marked as such.
- There are 3 tables, one per each time interval.

# Commercial Services for OSPOs



**OSPOaaS** by Bitergia  
[Open Source Program Office as a  
Service]

## Bitergia Analytics for OSPO

metrics

[Consistent reporting, community &  
process insights, metrics in action]



# Let's go for questions

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Governing board @ CHAOSS

Board of Directors @ InnerSource Commons

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