OSPO key role for organizations and OSS projects

Southern California Linux Expo (SCaLE) 18x

March, 7th, 2020

Pasadena (CA)

#scale18x #ospo
“Software is eating the world”

Marc Andreessen
Open Source is eating the Software World

“By 2022, over half of the code in 75% of new apps will be from external sources. The need to improve developer productivity is driving the use of open source and commercial code repositories”
Inbound & Outbound Open Source

inbound

Consume open source projects
Inbound & Outbound Open Source

Inbound:
Consume open source projects

Outbound:
Contribute to open source projects
Release of new open source projects
OSPO (Open Source Program Office) role

**Inbound**
- Consume open source projects

**Outbound**
- Contribute to open source projects
- Release of new open source projects
OSPO (Open Source Program Office) role

The rangers in the organization’s open source software (OSS) ecosystem
OSPO pain points tasks

Consuming OSS

- Licenses Compliance
- Projects Health
- Security Flaws
- Talent Attraction
OSPO pain points tasks

Consuming OSS

Contributing to OSS

Licenses compliance
Projects health
Security flaws
Talent attraction

Leadership and footprint
IP compliance
Talent retention
OSPO pain points tasks

- Consuming OSS
- Contributing to OSS
- Releasing & Maintaining OSS
OSPO pain points tasks

Consuming OSS

Contributing to OSS

Releasing & Maintaining OSS

LICENSES COMPLIANCE
PROJECTS HEALTH
SECURITY FLAWS
TALENT ATTRACTION

LEADERSHIP AND FOOTPRINT
IP COMPLIANCE
TALENT RETENTION

ENGAGEMENT & GROWTH
IP COMPLIANCE
LEADERSHIP AND FOOTPRINT
TALENT ATTRACTION
How to manage an OSPO?

todogroup.org  chaoss.community
Inbound & Outbound Strategies
Inbound & Outbound Questions

From the inbound point of view:

Which projects are we using in our organization?

What’s the health of those projects?

Who are they key people in those projects?
Inbound & Outbound Questions

From the inbound point of view:

Which projects are we using in our organization?

What's the health of those projects?

Who are they key people in those projects?

From the outbound point of view:

Which projects are we contributing from our organization?

Which projects are we releasing?

How are we dealing with community contributions?

Who are the key contributors?
“Without data, you are just a person with an opinion”

William Edwards Deming
OSS Health?

Check out CHA OSS Metrics

chaoss.community/metrics

CHA OSS Metrics

Release 202001

Released metrics are only a subset of metric ideas that are being developed. If you would like to learn more and discuss different metrics please visit the working group repositories. The metrics are sorted into Focus Areas. CHA OSS uses a Goal-Question-Metric format to present metrics. Individual metrics are released based on identified goals and questions. The metrics include a detail page with definitions, objectives, and examples.

Focus Areas by Working Group

Common Metrics WG
- When: Time
- Who: People

Diversity and Inclusion WG
- Event Diversity
- Governance
- Leadership

Evolution WG
- Code Development Activity
- Code Development Efficiency
- Code Development Process Quality
- Issue Resolution
- Community Growth

Risk WG
- Business Risk
- Code Quality
- Licensing
- Security

Value WG
- Ecosystem Value
- Labor Investment
- Living Wage

Important Dates for Release 202001
Release Freeze: January 1st, 2020
Candidate Release: January 24th, 2020
Public Comment Period: January 1st, 2020 to January 24th, 2020
Metrics Release Date: January 31st, 2020

Download a PDF of the 202001 Release.
OSS Health?

Check out CHA OSS Metrics

cauldron.io
Who are the core maintainers?
Where are things happening?
What is our open source network?
How are we dealing with contributions?
Consumers vs Maintainers
Consuming open source software without care
From *Consumers* to *Contributors*

Users:

- Submitting issues
- Asking questions
From **Consumers** to **Contributors**

**Users:**
- Submitting issues
- Asking questions

**Contributors:**
- Solving issues
- Answering questions
- Sending patches
Multiple Options

Business
Multiple Options

Business

Foundations

Your own OSS funding initiative
Multiple Options

Business

Foundations

Your own OSS funding initiative

Gig Development?
Multiple Options

And last, but not least, there might be companies providing consulting, customization, and/or support services on open source projects...

Avoid the “not invented here” syndrome

Go and hire them!
Some Final **Remarks**
Final remarks

Managing the relationship with an open source software (OSS) ecosystem requires knowledge about diverse topics.

An OSS ecosystem is not just assets and resources. At the end of the chain it is people.

There are open source tools and organizations to help understand OSS ecosystems.

Don’t ignore your OSS ecosystem. Your sustainability and growth depends on it.
Let’s go for questions

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About Bitergia

We help companies and organizations to understand the software development projects that matter to them.