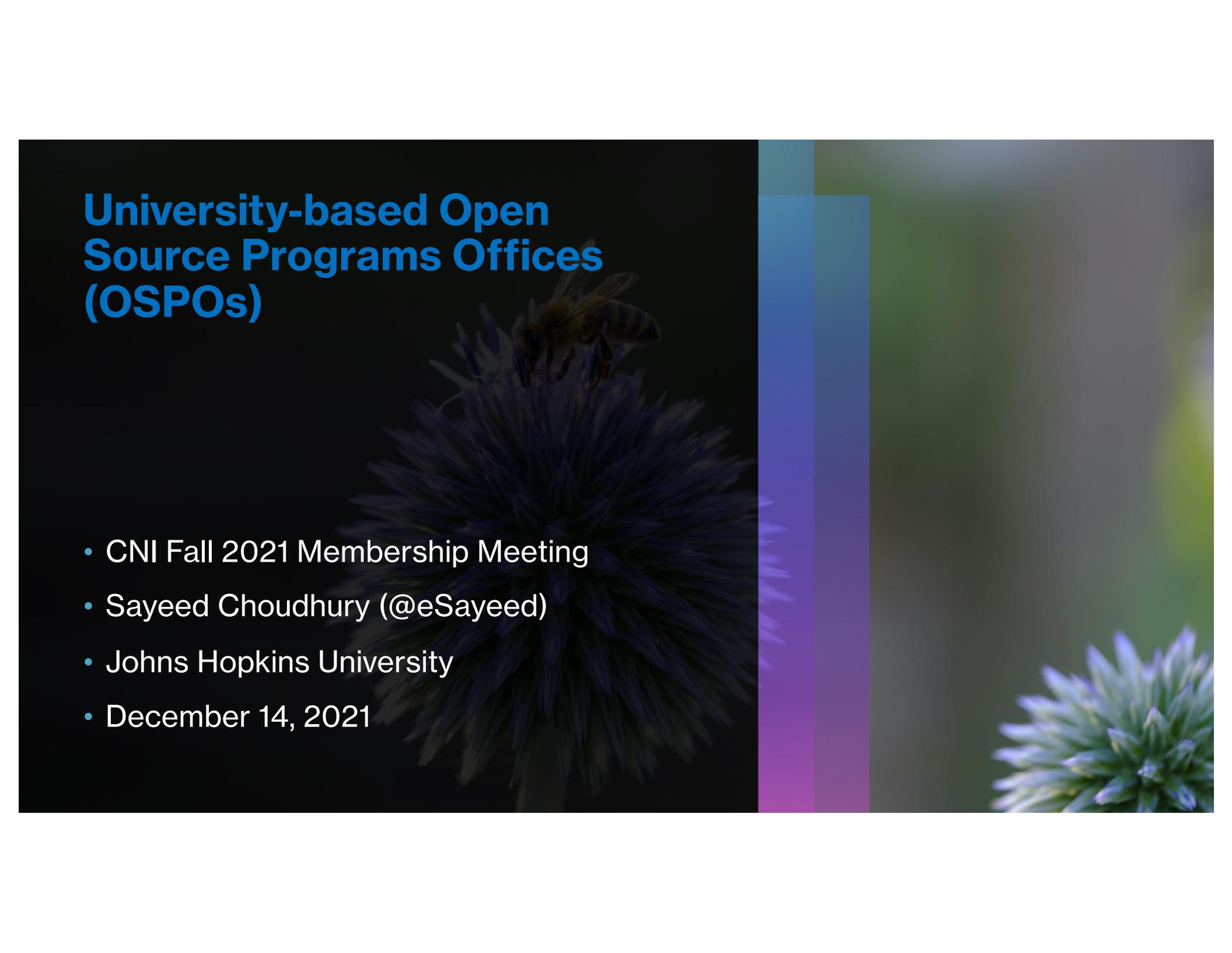


University-based Open Source Programs Offices (OSPOs)



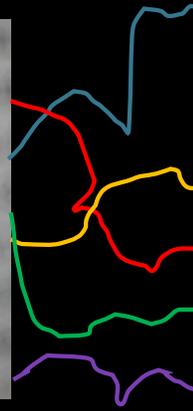
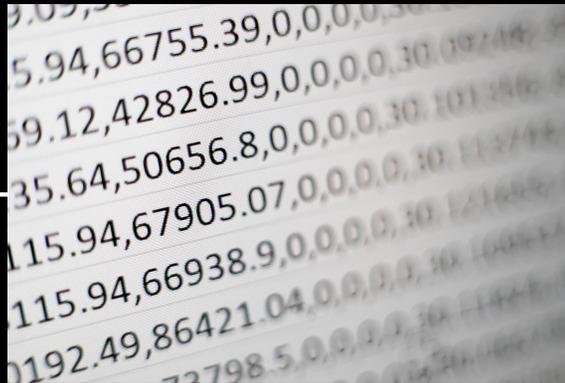
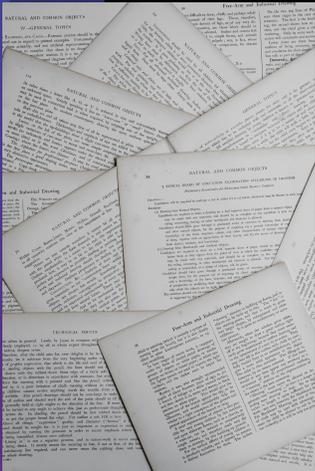
- CNI Fall 2021 Membership Meeting
- Sayeed Choudhury (@eSayeed)
- Johns Hopkins University
- December 14, 2021

OPEN SOURCE PROGRAMS OFFICE (OSPO)

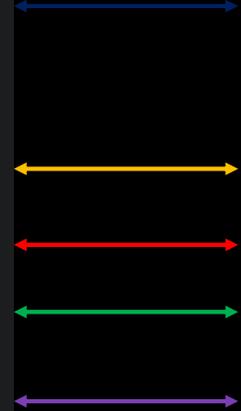
The open source programs office (OSPO) is a construct used widely within technology companies such as [Google](#), [Microsoft](#), and [GitHub](#) to organize and coordinate open source program activity within an organization and to engage with the broader community. The DRCC has launched the first US university-based OSPO by working with open source companies and foundations with the goal of establishing a model for other universities. Through the OSPO, Johns Hopkins University has become a member of the [Eclipse Foundation](#) including access to their working groups. The JHU OSPO has joined the [OSPO++](#) network to establish additional OPSOs within other universities and government organizations. The OSPO focuses on both operational and engineering aspects of open source programs and strategic priorities such as educational experiences and partnerships with the broader community. The OSPO represents the first point of contact for Baltimore City organizations that wish to work with the [Institute for Data Intensive Engineering and Science](#) (IDIES).

The OSPO has established a university-wide GitHub enterprise account available for all Johns Hopkins affiliates and organizations. The enterprise GitHub account includes several features not available in free GitHub accounts and covers costs for existing paid JHU GitHub accounts. If you are current paying for a GitHub account, or wish to access additional features available through the enterprise account, please contact the OSPO to merge your account(s) into the enterprise account. Additionally, groups that merge their GitHub accounts into the enterprise account will have access to engineering expertise and support from GitHub mediated through the OSPO.

Software as a primary research object



```
75 //trigger the timer event when appropriate
76 var check = function() {
77   //is the element visible?
78   if (!t.is('visible')) {
79     //it became hidden
80     t.appeared = false;
81     return;
82   }
83   //is the element inside the visible window?
84   var a = w.scrollLeft();
85   var b = w.scrollTop();
86   var o = t.offset();
87   var x = o.left;
88   var y = o.top;
89   var ax = settings.scroll;
90   var ay = settings.scroll;
91   var th = t.height();
92   var wh = w.height();
93   var tw = t.width();
94   var ww = w.width();
95   if (y + th > ay &&
96       y <= ay & wh > ay &&
97       x + tw > ax &&
98       x <= ax & ww > ax) {
99     //trigger the custom event
100    if (!t.appeared) t.trigger('appear', settings.data);
101  }
102  else {
103    //it scrolled out of view
104    t.appeared = false;
105  }
106 }
107 //create a modified fn with some additional logic
108 var modifiedfn = function() {
109   //mark the element as visible
110   t.appeared = true;
111   //is this supposed to happen only once?
112   if (settings.one) {
113     //remove the check
114     w.unbind('scroll', check);
115     var i = $.inArray(check, $.fn.appear.checks);
116     if (i >= 0) $.fn.appear.checks.splice(i, 1);
117   }
118   //trigger the original fn
119   fn.apply(this, arguments);
120 }
121 //bind the modified fn to the element
122 t.on('appear', settings.data, modifiedfn);
123 //and the original fn to the element
124 t.on('appear', settings.data, fn);
```



Submit COVID-19 related research manuscripts here

[Home](#) [About](#) [Contact](#) [FAQ](#)

[Login](#)



Public Access Submission System

Use PASS to submit your manuscripts to funder and institutional publication repositories (e.g. PubMed Central, JScholarship) and comply with access policies.

Using the web-based PASS system, you can: avoid paying article processing charges to make your publication open to the public, simultaneously send your manuscript to multiple repositories seamlessly, and populate forms automatically with publication and author information by providing DOIs and ORCID IDs. [Learn more about PASS?](#)

[Get started!](#)

PASS supports existing submission workflows for the following agencies and institutions

JOHNS HOPKINS
UNIVERSITY & MEDICINE



FDA

ASPR
ASSISTANT SECRETARY FOR
PREPAREDNESS AND RESPONSE

Eclipse Foundation Project Handbook

Table of Contents

- [Notices](#)
- [Overview](#)
 - [Principles](#)
- [Starting an Open Source Project at the Eclipse Foundation](#)
 - [Project Proposal](#)
 - [Provisioning](#)
 - [After Provisioning](#)
 - [Project Phases](#)
 - [Frequently Asked Questions](#)
- [Project Resources and Services](#)
 - [Identifiers](#)
 - [Source Code Management](#)
 - [Git Commit Records](#)
 - [GitLab](#)
 - [GitHub](#)
 - [Gerrit Code Review](#)
 - [Issue Trackers](#)
 - [Forums and Outbound Communication](#)
 - [Project Websites](#)
 - [Builds](#)
 - [Signed Artifacts](#)
 - [Downloads](#)
 - [External Resources](#)
 - [Frequently Asked Questions](#)
- [Managing and Reporting Vulnerabilities](#)
 - [Security Team](#)

Eclipse Projects

- [▶ Development Process](#)
- [▶ Project Handbook](#)
- [▶ Search Projects](#)
- [▶ All Projects](#)

Lifecycle

- [▶ Activity](#)
- [▶ Proposals](#)
- [▶ Reviews](#)

Eclipse Specifications

- [▶ Specification Process](#)
- [▶ Operations Guide](#)

Working Groups

- [▶ Process](#)



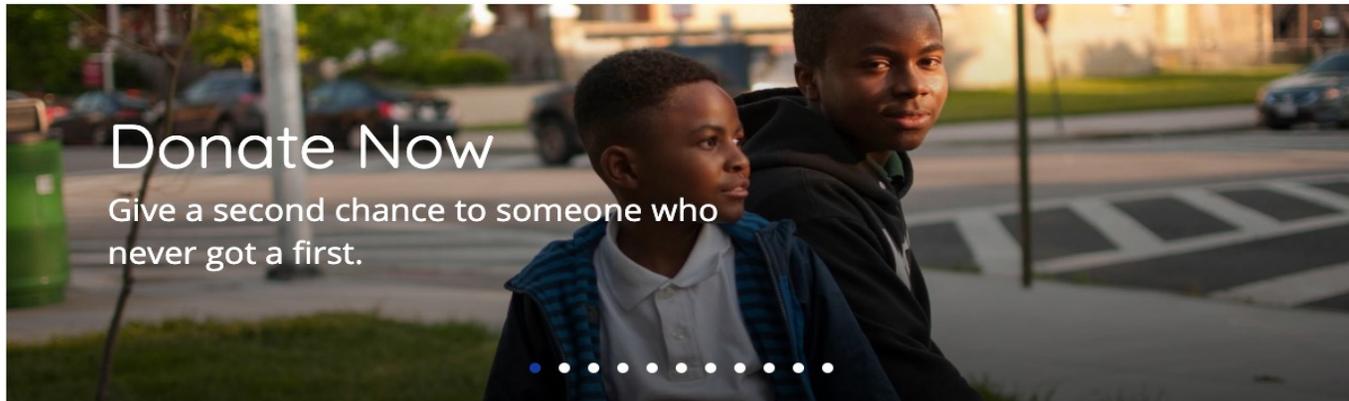
We believe in collaboration
across cities.

What is Lutece?

Lutece is an open source platform developed by the City of Paris to help you develop digital solutions. Honed for cities' use through almost 20 years of development, Lutece has evolved into multifaceted platform with more than 400 plugins and modular architecture that will enable your specific needs and enhance your users' digital experience.

In 2020, the team is getting ready to release version 7 of Lutece Core, a version that further marks the desire to integrate new core functions while lightening its code.

Lutece harnesses the power of almost 20 years of iterations and constant evolution.



St. Francis Neighborhood Center has existed since 1963 to raise awareness and bring change to the lives of those we serve in our community of Reservoir Hill & Penn North in Baltimore City. We are the oldest youth enrichment center in the City! Over 1,200 children in this area live below poverty and with your help we can make a difference as we help in stabilizing families. [Visit our Capital Campaign page](#) to learn more about our amazing capital campaign to renovate and expand. Thank you for visiting. Your support is appreciated.

New contributors from the Johns Hopkins University

The Johns Hopkins University is one of the largest private universities in the US. Based in Baltimore, Maryland, it has recently started its own Open Source Program Office, being the first university in the US to run one. Led by Sayeed Choudhury, who is a CTO at JHU, they have created a center of work around ideas for the city of Baltimore.



JOHNS HOPKINS
UNIVERSITY

Meanwhile, the St Francis Neighborhood Center is a local community center also based in Baltimore, Maryland. It has picked up the slack for the children of Baltimore, to help them get support. Since there are no good after school programs run by the city, it has to go through community centers such as the SFNC. So they bring computer classes after school for the kids, yoga classes, parenting information, among all the other activities that we expect a local community would need. They've recently over taken an Open Source software project : Lutece! How?



Through the JHU Open Source Program Office, JHU researchers have started collaborating with the community center, building a website based on Lutece and delivering already existing features from shelf, as well as adding new ones, based on SFNC's needs.

So they have started putting their hands in the code, also preparing some work for their students to work on. Great enhancements were made regarding the hosting of a Lutece website in a container, and a new plugin called enrolment has been submitted. With the recent

Semesters of Code

- Building upon prior efforts and success at other universities (e.g., RIT, Brandeis, Western New England University) and hackathons, Google's summer of code
- Key differentiator is emphasis on software engineering, especially as it applies to research software
- Taught by Stephen Walli, an executive at Microsoft with 40 years experience
- Projects include PASS, Lutece, Semester.ly, OpenCRAVAT, and Microsoft PowerShell
- Exploring potential for multi-university, coordinated program

New project unites digital humanities, Black studies, and data and computation

Black Beyond Data, a new project backed by a \$300,000 Mellon grant, will seek to create an open resource for scholars to combat racial injustice through digital humanities

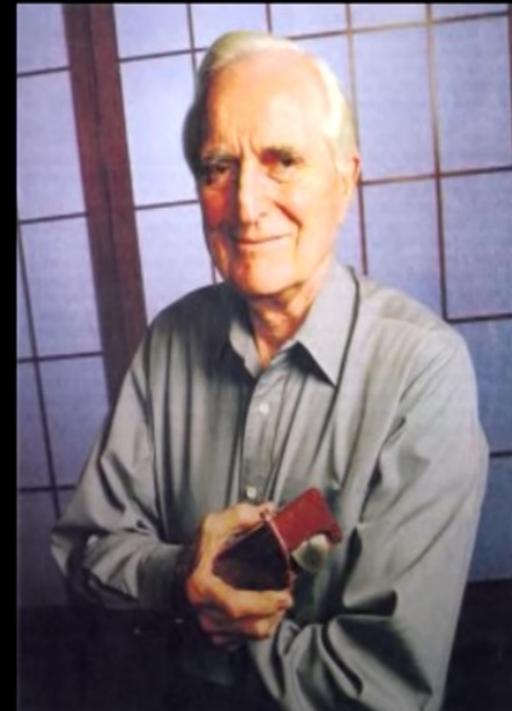


GETTY IMAGES

Systems Thinking

- When I say systems thinking, I'm saying looking at the whole and its interactions as much as possible to understand both each part of it, but also how it all comes together.
- ZEYNEP TUFEKCI in The Ezra Klein Show

Doug Engelbart envisioned harnessing the **power** of computers as tools for **collaboration** and the **augmentation** of our **collective intelligence** to work on humanity's most **important problems**.



Open Source Revolution

- Covid affected every country on the planet...and we just shut down the planet for the first time...
- We will not return to normal; we will have a new normal...or maybe not even “normal”
- Open source as a verb...explicit commitment to transparency, trust, engagement, diversity and partnerships
- Covid-19, cybersecurity, climate change, social justice, and more require operating openly at scale using systems thinking

Wisdom from the Hopi

- “There is a river flowing now, very fast. It is so great and swift that there are those who will be afraid. They will try to hold on to the shore. They will feel they are being torn apart and suffer greatly. Know that the river has its destination. The elders say we must push off into the middle of the river, keep our eyes open and our heads above the water. See who is in there with you and celebrate. At this time in history we are to take nothing personally, least of all ourselves, for the moment we do that, our spiritual growth comes to a halt. The time of the lone wolf is over. Gather yourselves; banish the word ‘struggle’ from your attitude and vocabulary. All that we do now must be done in a sacred way and in celebration. **We are the ones we’ve been waiting for.** Now, go to your mat and push off from the shore.”



OSPO++

OSPO++ is a network and a community of collaborative open source program offices in universities, governments, and civic institutions. We're building resources to help create OSPOs, actively engaging in discussions on how to best manage and grow open source programs, and how to garden sustainable communities that last.



Good Practices Primer - Code and Software (community enhanced).docx (Version: 1)

[Download](#) [Share](#) [View](#) [Revisions](#)

Filter

- Developing a Toolkit for Fostering Open ...
- OSF Storage (United States)
- Community Contributed or Adapt...
- Good Practices Primer - Code a...**
- Good Practices Primer - Prepri...
- + Original Toolkit Elements
- + Supplementary Materials

Page: 1 of 8 Automatic Zoom

Code and Software

Relevance to the Open Ecosystem

Despite its long standing place in various sectors of society including universities, there has been relatively less emphasis on open source software in discussions regarding open science. Ironically, many of the points of friction related to incentives for open articles and open data do not exist for open source software so the opportunities are arguably more pronounced. Additionally, the private sector has created and leveraged open source software for decades to generate products, innovation, jobs and partnerships.

As an example of economic impact, Open Forum Europe, in collaboration with Knut Blind from Fraunhofer ISI, presented the results of a study at the OFE's Open Source Policy Summit in February 2021. This study indicates that the economic impact of open source software on the EU economy is estimated to be between Euro 65 and Euro 95 billion in 2018. EU countries and EU located companies made significant investments into open source software of Euro 1 billion in 2018, the product of which is available for reuse by the private and public sector. It would have required 16,000 full time developers otherwise to provide the same volume of code. The study also estimated that a 10% increase of open source software contributions would generate

What Can We Do?

- Join the PASS community – either as developer or user
- Join OSPO++
- Engage in National Academies communities of practice
- Start an open source programs office (OSPO)
- Work with local communities as equal, mutually respectful partners that bring value
- **We are the ones we've been waiting for...**

Resources

- <https://drcc.library.jhu.edu/open-source-programs-office/>
- <https://pass.jhu.edu>
- <https://lutece.paris.fr/lutece/>
- <https://ospoplusplus.com>
- <https://ospoplusplus.com/blog/paris-open-source-global-forum/>
- <https://ospoplusplus.com/assets/pdfs/empowering-communities-worlds-apart.pdf>
- <https://www.nationalacademies.org/event/12-07-2021/roundtable-on-aligning-incentives-for-open-science-workshop-on-open-scholarship-priorities-and-next-steps>

Any
Questions

Pages

Comments

Websites