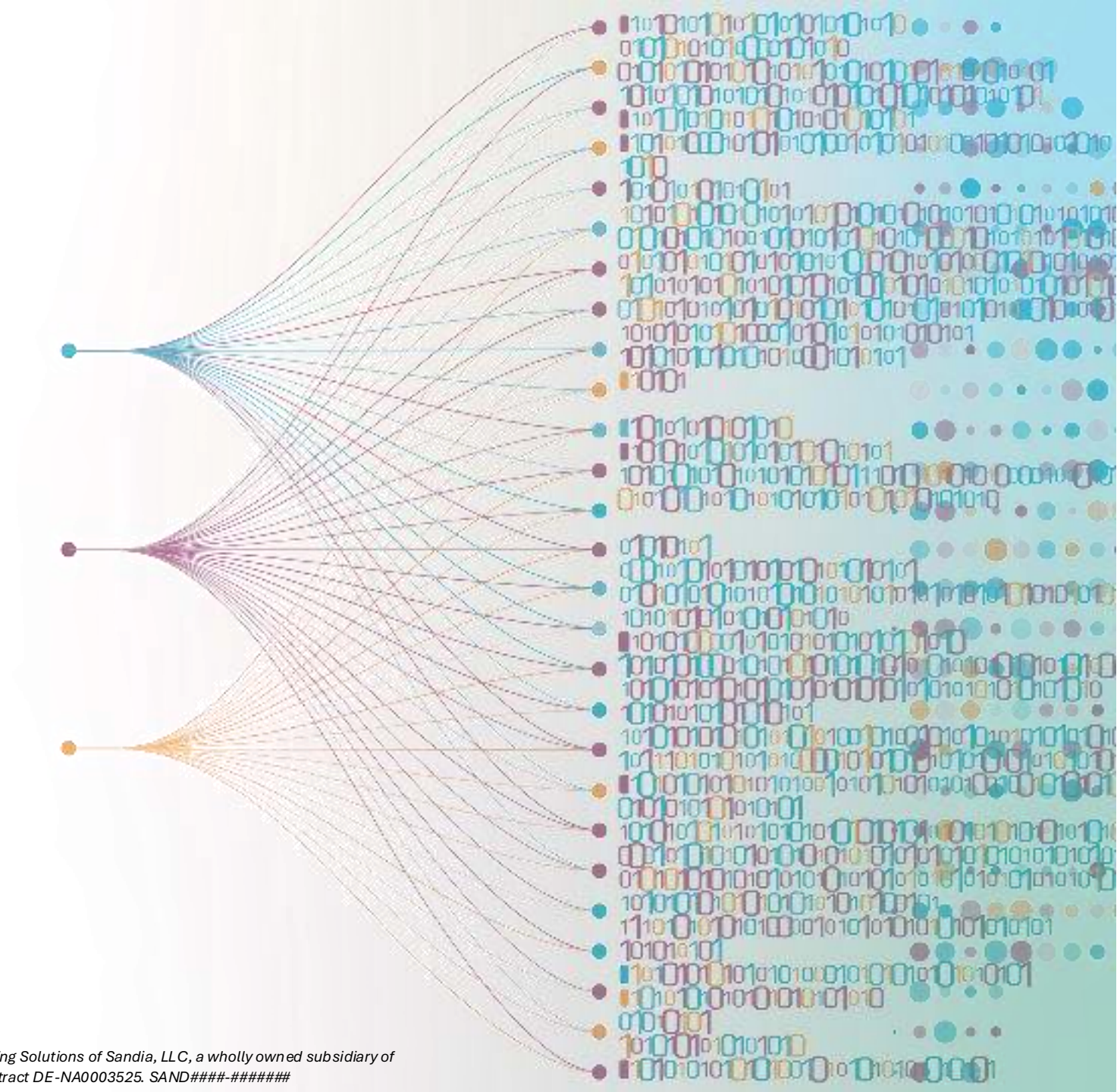




NLS³C CoP

Like-Minded Organizations



Check Out Our Wiki: <https://tiny.sandia.gov/nls3c-cop>

- Suggest topics for, or volunteer to lead, a future webinar
- Request content be added, or add it yourself
- Volunteer to join the leadership team

Date	Topic	Presenter	Institution
January 13 th	Clean Code	Jason M. Gates	Sandia
February 10 th	Test-Driven Development	Robert Kahler	Sandia
March 10 th	SOLID Principles by Example	Nathaniel Roehrig	Sandia
April 14 th	Agile Development	Ryan Shaw	Sandia
May 12 th	Working Effectively with Legacy Code	Nathaniel Roehrig	Sandia
June 9 th	Like-Minded Organizations	Rinku Gupta, Elaine Raybourn, Ian Cosden, Dan Katz, Keith Beattie	ANL, Sandia, Princeton, U of I, LBNL
July 14 th	Conference Recap	YOUR NAME HERE	?



Agenda

- **Better Scientific Software** ([BSSw](#))
Rinku Gupta, Argonne National Laboratory
- **The Consortium for the Advancement of Scientific Software** ([CASS](#))
Elaine Raybourn, Sandia National Laboratories (retired)
- **Innovative Training Enabled by Research Software Engineer Community of Trainers** ([INTERSECT](#))
Ian Cosden, Princeton University
- **The Research Software Alliance** ([ReSA](#))
Daniel S. Katz, University of Illinois
- **The US Research Software Engineer Association** ([US-RSE](#))
Keith Beattie, Lawrence Berkeley National Laboratory





A Short Introduction to BSSw.io

<https://bssw.io>

So your code will see the future

Rinku Gupta
Editor-in-Chief, BSSw.
June 2026

Agenda

- **BSSw.io overview**
- **How to contribute**

The screenshot shows the homepage of the Better Scientific Software (BSSw) website. The header is dark blue with the BSSw logo on the left and navigation links for 'Information For', 'Contribute To BSSw', and 'Receive Our Email Digest' on the right. Below this, a secondary navigation bar includes 'Resources', 'Blog', 'Events', and 'About'. The main content area has a dark blue background with a subtle geometric pattern. It features the title 'Better Scientific Software (BSSw)' in large white text, followed by a paragraph describing the organization's mission. At the bottom, there are four light blue buttons labeled 'Communities Overview', 'Site Overview', 'Intro to CSE', and 'Intro to HPC'. Two light blue callout boxes are overlaid on the right side of the page.

Information For ▾ Contribute To BSSw Receive Our Email Digest

better scientific software

Resources ▾ Blog Events About 🔍

<https://bssw.io>

Collaborative content development on topics related to developer productivity and software sustainability for CSE

Better Scientific Software (BSSw)

Software—the foundation of discovery in computational science & engineering—faces increasing complexity in computational models and computer architectures. BSSw provides a central hub for the community to address pressing challenges in software productivity, quality, and sustainability.

We welcome contributions from the community ... Join us!

GET ORIENTED

Communities Overview Site Overview Intro to CSE Intro to HPC



Dedicated to improving developer productivity and software sustainability for CSE

<https://bssw.io>

- [Community-based resource](#) for scientific software improvement
- Hub to gather, write, and disseminate experiences, techniques, tools, and other resources

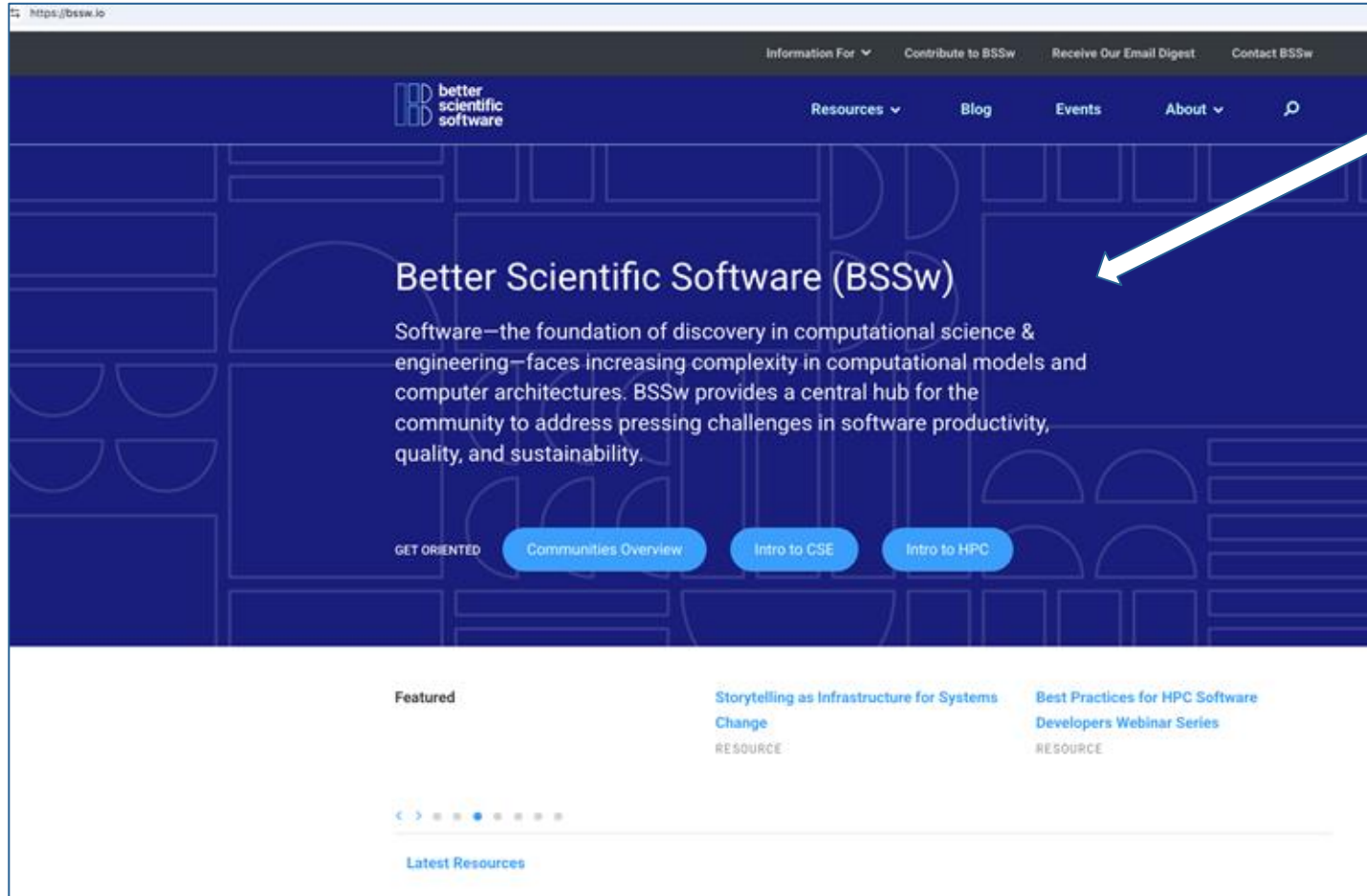
Goals:

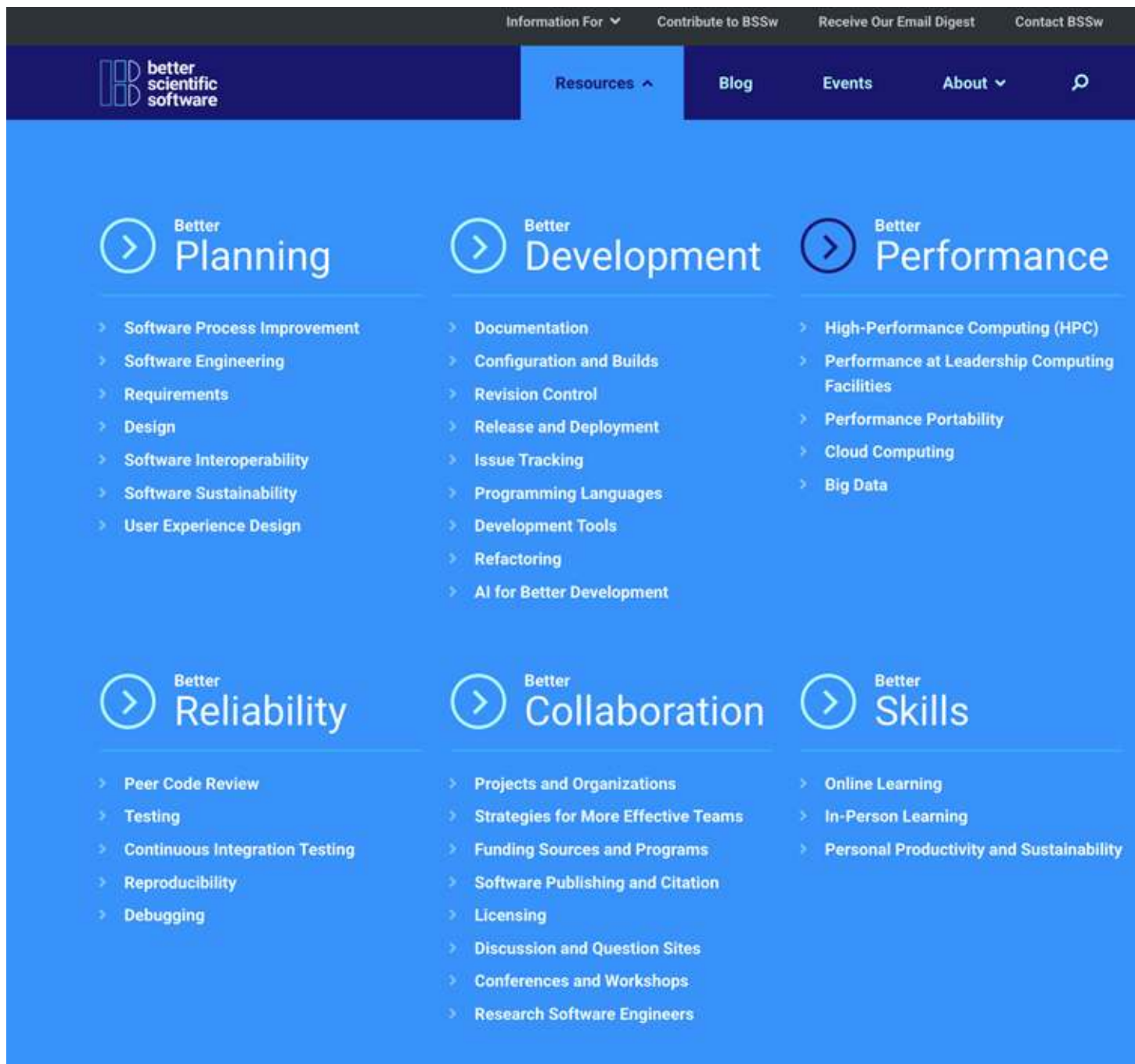
- Raise awareness of best practices to scientific productivity and to the quality and reliability of computationally-based scientific results
- Raise awareness of the increasing challenges facing HPC/CSE software developers

Site users can:

- [Find information](#) on scientific software topics
- [Curate or create new content](#) based on their own experiences.

Front Page of <https://bssw.io/>





BSSw.io Content Map

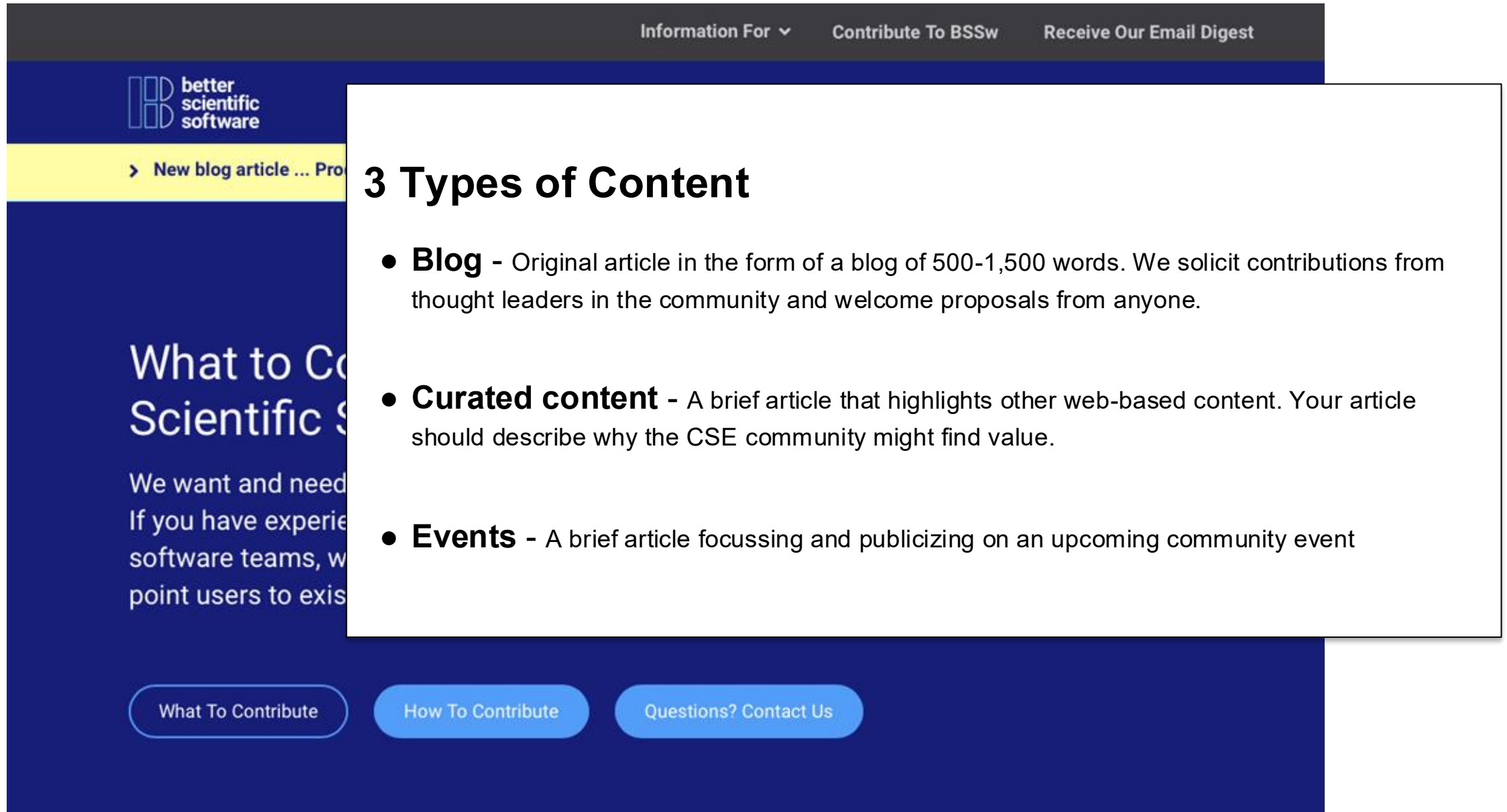
**Focuses on six broad
categories**

**Each category has many
topics of interest**

**For every topic, there
could be three types of
content:**

- blog
- curated content
- events

Types of Contributions



The image is a screenshot of the 'better scientific software' website. The top navigation bar is dark grey with links for 'Information For', 'Contribute To BSSw', and 'Receive Our Email Digest'. The left sidebar is dark blue with the 'better scientific software' logo and a yellow button that says '> New blog article ... Pro'. The main content area has a dark blue background with white text that reads 'What to Co Scientific S' and 'We want and need If you have experie software teams, w point users to exis'. At the bottom, there are three light blue buttons: 'What To Contribute', 'How To Contribute', and 'Questions? Contact Us'. A white callout box with a black border is overlaid on the right side of the page, containing the title '3 Types of Content' and a bulleted list of contribution types: Blog, Curated content, and Events.

Information For ▼ Contribute To BSSw Receive Our Email Digest

better scientific software

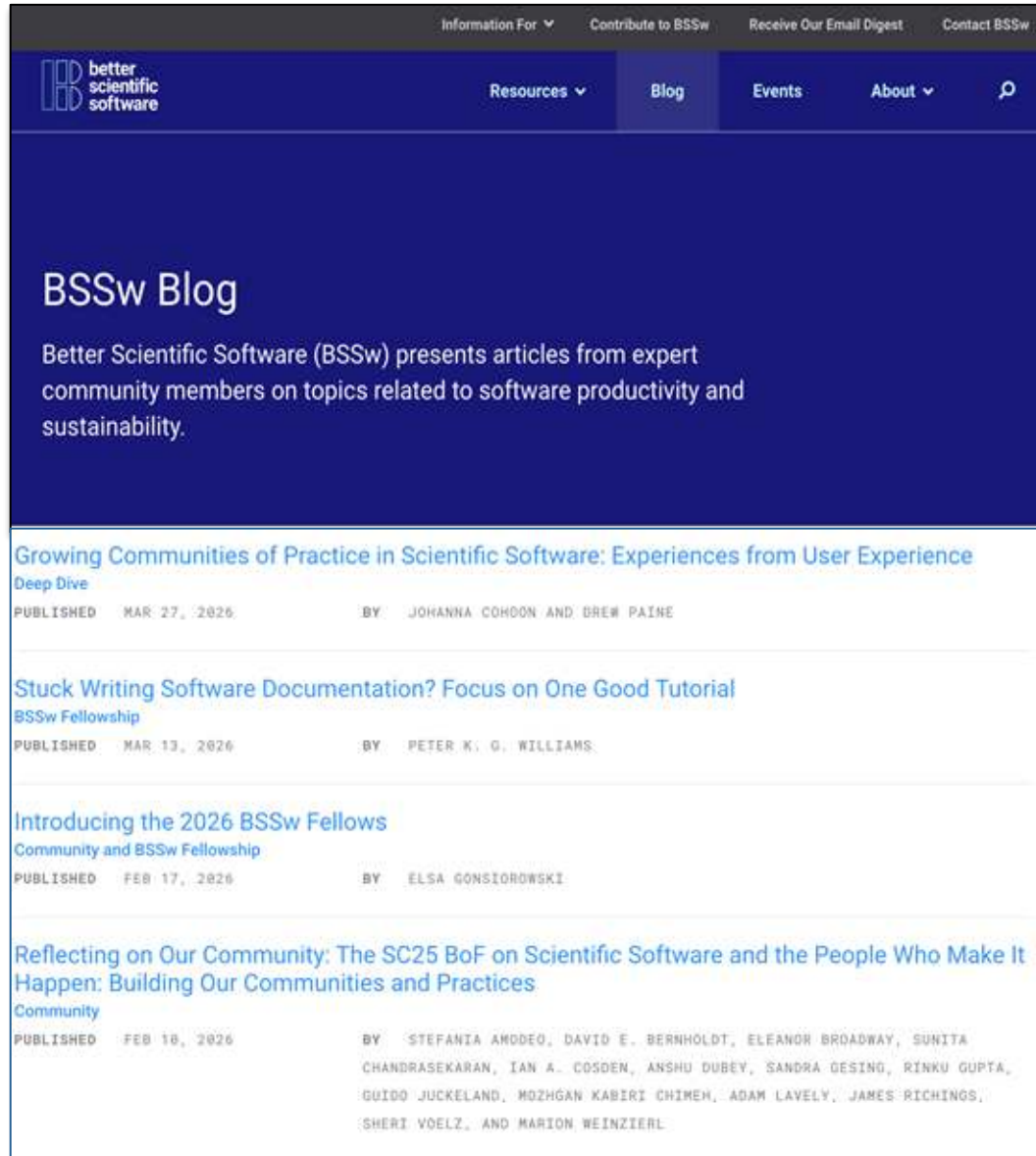
> New blog article ... Pro

3 Types of Content

- **Blog** - Original article in the form of a blog of 500-1,500 words. We solicit contributions from thought leaders in the community and welcome proposals from anyone.
- **Curated content** - A brief article that highlights other web-based content. Your article should describe why the CSE community might find value.
- **Events** - A brief article focussing and publicizing on an upcoming community event

What To Contribute How To Contribute Questions? Contact Us

Blogs and Blog Tracks



The screenshot shows the BSSw Blog homepage. At the top, there's a navigation bar with links for 'Information For', 'Contribute to BSSw', 'Receive Our Email Digest', and 'Contact BSSw'. Below this is a secondary navigation bar with 'Resources', 'Blog' (selected), 'Events', and 'About'. The main header area has the BSSw logo and the text 'BSSw Blog' followed by a description: 'Better Scientific Software (BSSw) presents articles from expert community members on topics related to software productivity and sustainability.' Below this, there are four article previews, each with a title, track, published date, and author.

BSSw Blog
Better Scientific Software (BSSw) presents articles from expert community members on topics related to software productivity and sustainability.

Growing Communities of Practice in Scientific Software: Experiences from User Experience Deep Dive
PUBLISHED MAR 27, 2026 BY JOHANNA COHDON AND BREW PAINE

Stuck Writing Software Documentation? Focus on One Good Tutorial BSSw Fellowship
PUBLISHED MAR 13, 2026 BY PETER K. G. WILLIAMS

Introducing the 2026 BSSw Fellows Community and BSSw Fellowship
PUBLISHED FEB 17, 2026 BY ELSA GONSIORDWSKI

Reflecting on Our Community: The SC25 BoF on Scientific Software and the People Who Make It Happen: Building Our Communities and Practices Community
PUBLISHED FEB 18, 2026 BY STEFANIA AMODEO, DAVID E. BERNHOLDT, ELEANOR BROADWAY, SUNITA CHANDRASEKARAN, IAN A. COSDEN, ANSHU DUBEY, SANDRA GESING, RINKU GUPTA, GUIDO JUCKELAND, MOZHGAN KABIRI CHIMEN, ADAM LAVELY, JAMES RICHINGS, SHERI VOELZ, AND MARION WEINZIERL

Blog Tracks

- Blogs can have different tracks:
 - **BSSW Fellowship**
 - **Deep Dive**
 - **Experience**
 - **Community**
 - **How-To**

The Better Scientific Software Fellowship at US-RSE'25

SHARE in f w p

The Better Scientific Software Fellowship was well engaged at US-RSE'25!

PUBLISHED DEC 16, 2025 AUTHOR ADAM LAVELY TOPICS BETTER COLLABORATI

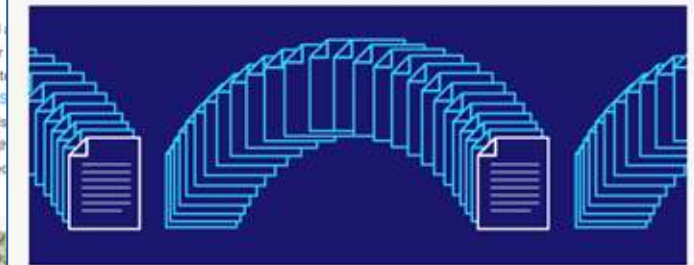
TRACK BSSW FELLOWSHIP

The Better Scientific Software (BSSw) Fellowship community was again well represented at the Research Software Engineer Association conference (US-RSE'25), taking place in October and historic Philadelphia, Pennsylvania. The conference was a great success, as highlighted by Gonsiorowski, Coordinator of the BSSw Fellowship Program, who showcased our 2025 BSSw and Honorable Mentions during the concluding plenary session. The BSSw community also showcased a successful poster session showcasing the fellowship and a well attended Birds-of-a-Feather session where 15 past and current fellows and honorable mentions talked about their BSSw project experiences, and they interacted with potential future fellows and collaborators.



Stuck Writing Software Documentation? Focus on One Good Tutorial

SHARE in f w p



PUBLISHED MAR 13, 2026 AUTHOR PETER K. G. WILLIAMS TOPICS BETTER DEVELOPMENT BETTER PLANNING DOCUMENTATION SOFTWARE PROCESS IMPROVEMENT

TRACK BSSW FELLOWSHIP

BSSw Fellow Peter K. G. Williams has developed a new resource called One Good Tutorial that aims to help creators of scientific software write better documentation with less stress.

The challenge of scientific software documentation

"Documentation." For many authors of scientific software, the word evokes a feeling of guilt or dread. Have I written enough? Is what I've written any good? We're already working outside of our comfort zones — scientists asked to pass as professional developers, and vice versa. To write really great documentation to go along with our software, we'd have to don many more hats: technical writer, information architect, typographer, teacher. If you or your project can marshal all those skill sets, that's wonderful, but most of us generally have to do the best we can with limited time, resources, and

Curated Content

- **Easiest contribution to create!**
- A brief article to reference other content.
- Explains why the CSE community might find value.

HOME > RESOURCES > Research Software Quality Kit (RSQK)

in f t p

Research Software Quality Kit (RSQKit)

FEB 12, 2026AUTHOR PATRICIA GRUBEL

Producing and sustaining research software requires making informed choices under real-world constraints. The Research Software Quality Kit (RSQKit) is an evolving set of information, resources, and tools for all roles involved in a research software project.

TOPICS

BETTER COLLABORATION

BETTER PLANNING

BETTER DEVELOPMENT

BETTER RELIABILITY

➤ RESEARCH SOFTWARE ENGINEERS

➤ SOFTWARE ENGINEERING

➤ SOFTWARE SUSTAINABILITY

➤ RELEASE AND DEPLOYMENT

➤ TESTING

Resource information	Details
Website	Research Software Quality Kit (RSQKit)
Focus	Support for research software quality and sustainability

Most research software is developed under real-world constraints: limited time, discovery-driven and evolving requirements, and varied expectations about reuse, sustainability, and credit, and, of course, funding and budget considerations. RSQKit, developed through the [EVERSE project](#), brings together information and tools that map roles, tasks, lifecycles, and goals to help practitioners reason about research software quality practices.

The goal of RSQKit is to provide resources that support anyone involved in producing or maintaining

HOME > RESOURCES > If You're Going to Vibe Code, Why...

in f t p

If You're Going to Vibe Code, Why Not Do It in C?

FEB 25, 2026AUTHOR KEITH BEATTIE

Stephen Ramsay's blog post *If You're Going to Vibe Code, Why Not Do It in C?* raises the point that if we're all vibe coding now, it might not matter what language is generated by the AI.

TOPICS

BETTER DEVELOPMENT

BETTER PLANNING

➤ AI FOR BETTER DEVELOPMENT

➤ DEVELOPMENT TOOLS

➤ SOFTWARE PROCESS IMPROVEMENT

➤ SOFTWARE ENGINEERING

Resource information	Details
Article Title	If You're Going to Vibe Code, Why Not Do It in C?
Authors	Stephen Ramsay
Focus	AI Tools for Software Development

"Programming languages are for humans, not computers" is a fact that is easy to forget when you spend a lot of time writing in one of those languages in order to get a computer do to something interesting or solve a problem. Over the history of computing, we (humans) have created quite a few languages for programming computers, generally moving in the direction away from the machine language in which computers natively work toward a language that is easier for humans to understand and use.

Now with AI models allowing us to *vibe code* by writing in our native spoken language and the AI generates the results of our requests in a programming language, Stephen Ramsay's blog post asks the question: *"Why vibe code with a language that has human convenience and ergonomics in view?"*, why not have the AI write in C, or for that matter machine language? Or maybe we want to come up with a "Vibe-Oriented Programming language" (VOP) that makes it easier for us to express ideas to the AI as opposed to a compiler?

Thank you to BSSw contributors!

- BSSw approaching 1000+ resources
 - Steady increase of contributors and articles
 - We have new topic areas being added (with editorial board approval)
 - Topics need content!
- We have over 350+ contributors
- Over time, build up rich content resources

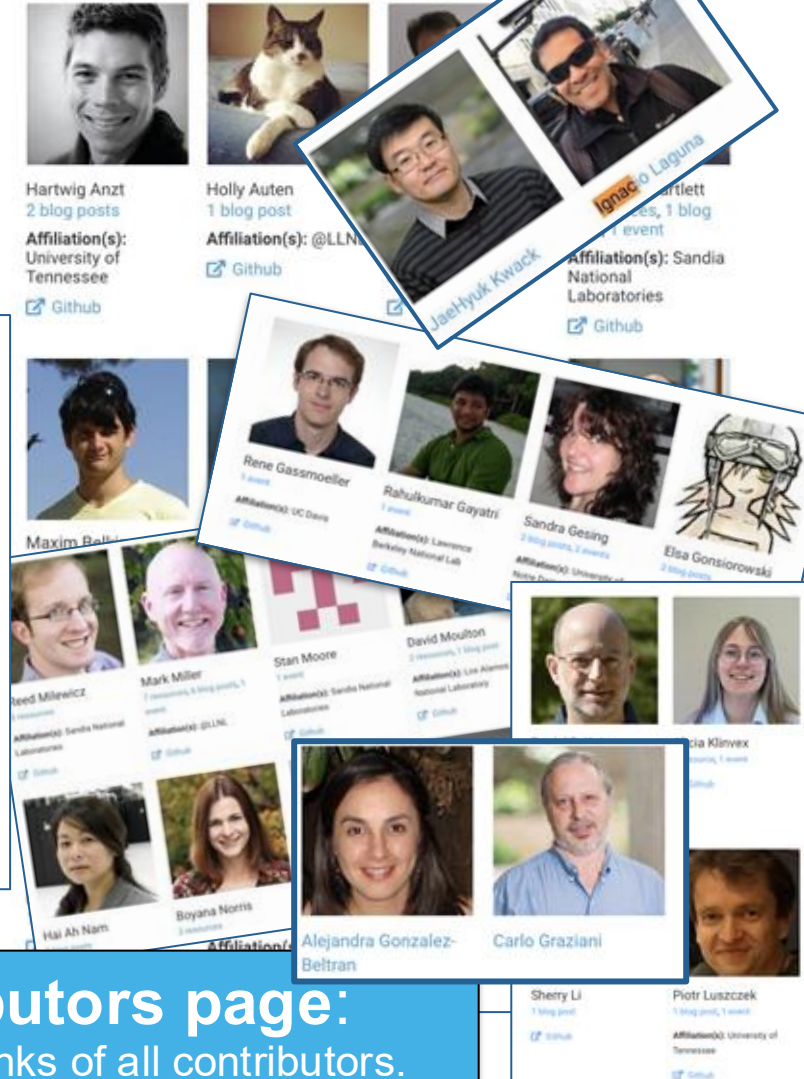
We welcome
YOUR
contributions!



Contributors

We thank all BSSw contributors for sharing information and perspectives on issues in software productivity and sustainability.

Below is an alphabetized list of contributors thus far. We welcome your input to the site, too; see [Contribute to BSSw](#) for information on how to get started.



BSSw Contributors page:
Github profile pics & links of all contributors.

Writing an article for [BSSw.io](https://bssw.io) is simple!

- 15 mins for event, 15-30 mins for curated content, >30min for blogs
- **Excellent visibility to HPC/CSE community**
 - Your github photo, name and article list is displayed on [Bssw.io](https://bssw.io)
 - Your new article is highlighted in bssw.io monthly digest as well as front page carousel



BSSw invitation: Join us!

- We need your contributions!
 - Share your resources, experiences, etc.
- Over time: Collaborate to build the site into a vibrant community resource
 - Content and editorial processes provided by volunteers throughout the HPC/CSE community

Many contributions from the community

Initiative of the IDEAS Productivity Project

- Support from DOE Office of Advanced Scientific Computing Research, DOE Exascale Computing Project
- Launched at SC17

Better Scientific Software: 2025 Highlights

SHARE in f w



2025 HIGHLIGHTS

PUBLISHED JAN 09, 2026

AUTHOR RINKU GUPTA

TOPICS BETTER COLLABORATION

PROJECTS AND ORGANIZATIONS

TRACK COMMUNITY

As we wrap up 2025, we want to take a moment to celebrate the people who make BSSw.io what it is: our contributors, readers, and supporters from around the world. This year brought another wave of thoughtful articles, practical insights, and shared experiences focused on improving software sustainability, productivity, and quality across the scientific software ecosystem. The generosity of our community in openly sharing successes, challenges, and lessons learned continues to be the heart of BSSw.io. In this blog post, we highlight a selection of content from 2025 that especially resonated with our readers and reflects the evolving ways we build and sustain scientific software together. Thank you for being part of this journey with us. We are excited to carry this energy into the year ahead. Happy New Year to the entire BSSw community.

Better Planning:

- Evaluation of Research Software: The CDUR Procedure, P. Grubel.
- Sustaining MPICH: 30+ Years of High-Performance Computing Software, K. Raffanetti.
- User Experience Engineering in the Lifecycle of Scientific Software, C. O'Donnell and D. Paine.
- User Experience Design (UXD) in the Lifecycle of Scientific Software, S. Poon, R. Deshmukh and D. Paine.
- What's in a Browser?, M. C. Miller.
- Sunsetting Open Source Projects: Dos and Don'ts, K. Beattie.
- Growing Resilient Scientific Software Ecosystems: Introducing the Software Gardening Almanack, D. Buntin, W. Davidson, and D. P. Way.
- Technical Credit, R. A. Bartlett.
- Creating An Offboarding Checklist for Technical Projects, K. Beattie.

Communities Overview

The Better Scientific Software umbrella encompasses a rich variety of communities who are working to advance the methods, practices, and processes of CSE software.

GET ORIENTED

Communities Overview

Site Overview

Intro to CSE

Intro to HPC

Community-specific landing pages, tailored to unique perspectives and priorities, provide a variety of starting points for using the BSSw site and promote a shared understanding of CSE software issues. Curators of a community landing page can customize content to serve the needs community members through highlighted resources and other custom content.

Better Scientific Software Communities:

- Community of Supercomputing Facilities and Their Users
- Computational Molecular Sciences
- Environmental System Science Community
- Exascale Computing Community
- Scientific Libraries Community**
- Software Engineering Community

We want your input and perspectives. Please contact us if you would like to start a community-specific landing page.

Community Landing Pages

Information For ^

Contribute To BSSw

Receive Our Email Digest

> Computational Molecular Sciences Community

> Environmental System Science Community

> Exascale Computing Community

> Scientific Libraries Community

> Software Engineering Community

> Co Scientific Libraries Community

The developers of scientific libraries provide widely used software that is the foundation of long-term CSE collaboration and discovery.

> Co Fa [Learn More About Communities](#)

A software library is a high-quality, encapsulated, documented, tested, and multiuse software collection that provides functionality commonly needed by application developers. Scientific libraries provide

scalable for high-performance computing. Key library developer expertise and reduced application ies provide easy access to sophisticated structures that have been developed by experts, mplex code and can instead focus on their

Promoting collaborative content creation through Github back-end

BSSw Software Platform

Component Technology	Backend		Frontend
	Google Docs	GitHub	Ruby on Rails
Location	Google Drive	bettterscientificsoftware Git Hub organization	https://bssw.io
Purpose	• Rapid collaborative content development • Multi-user typing, suggest edits, comments	• Content creation, refinement, management • Content packaging for use with bssw.io	• User-facing portal • Polished backend content • Curated content, articles, events
Contributors	Community subject matter experts	Community subject matter experts, BSSw editorial team	BSSw editorial team. Web development experts
Consumers	BSSw Git Hub Backend	BSSw Frontend	CSE community
Content Notes	Content migrates to Git Hub after it stabilizes	Content managed in git repos, markdown	Content from Backend

Contribute! Share your insights on CSE software practices and processes:

BSSw current status

- Current site is one of the **central points for HPC/CSE community collaboration** to share information on developer productivity and software sustainability
- Established BSSw.io editorial board
- Streamlined processes for article contributions

About

The Better Scientific Software (BSSw) community is an international group of researchers, practitioners, and stakeholders who are dedicated to curating, creating, and disseminating information that leads to improved software for computational science and engineering (CSE) and related technical computing areas.

We're creating a clearinghouse to gather, discuss, and disseminate experiences, techniques, tools, and other resources to improve developer productivity and software sustainability—a key element of overall scientific productivity. Site users can find information on many scientific software topics and can propose to curate or create new content based on their own experiences. We invite anyone interested in CSE software to join us and [contribute to the site](#).

We expect all contributors to the Better Scientific Software site to follow a Contributor Code of Conduct, as described in the [BSSw Policies](#).

BSSw Senior Editors



Rinku Gupta
Editor-in-chief



David Bernholdt

Affiliation(s): David Bernholdt



Mike Heroux



Editorial
board

BSSw Associate Editors



Roscoe Bartlett

Affiliation(s): Roscoe Bartlett



Patricia Grubel

Affiliation(s): Patricia Grubel



Mark Miller

Affiliation(s): Mark Miller



Jean Shuler

Affiliation(s): Jean Shuler



Greg Watson

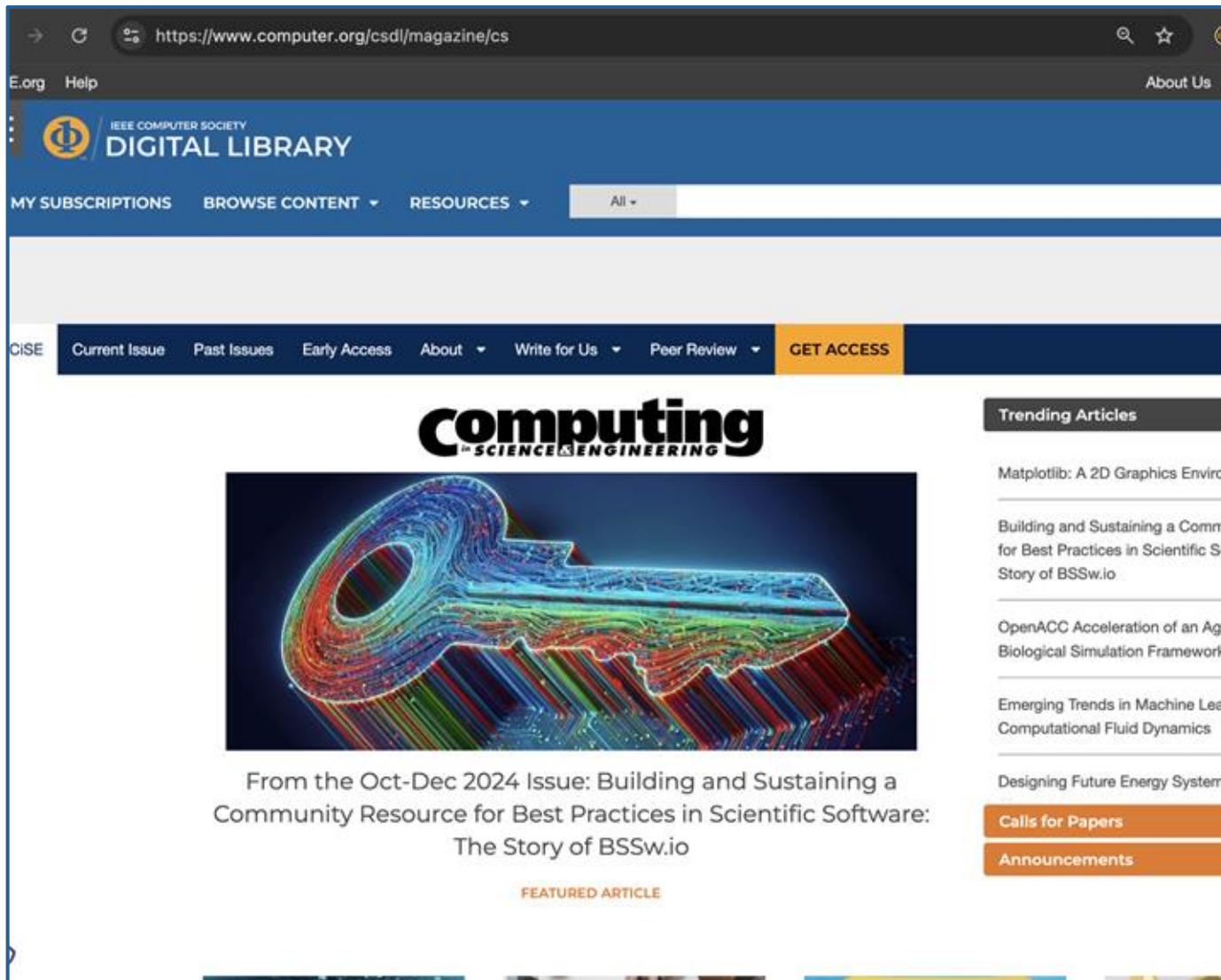
Affiliation(s): Greg Watson



Paul Wolferbarger

Affiliation(s): Paul Wolferbarger

BSSw Recognition



Surprise Mentions

- Cited organically in multiple recent talks and presentations across the HPC, DOE, and academic communities.
- Demonstrates BSSw.io's growing influence and reach.

Community Engagement

- Increasing number of contributors and submissions from new institutions and early-career researchers.
- Signals a healthy, growing ecosystem around best practices in scientific software.

Agenda

- **BSSw.io overview**
- **How to contribute**



How to build the site into a vibrant community resource

- Content and editorial processes provided by volunteers throughout the HPC/CSE community

Your ideas are welcome!

Grow the CSE community resource!

The image is a screenshot of the Better Scientific Software (BSSw) website. The top navigation bar is dark blue and contains the text "Information For" with a dropdown arrow, "Contribute To BSSw" (which is circled in red with a red arrow pointing to a callout bubble), and "Receive Our Email Digest". Below this, the BSSw logo is on the left, and "Resources" with a dropdown arrow, "Blog", "Events", "About", and a circular icon are on the right. The main content area has a dark blue background with a light blue geometric pattern. It features the heading "Better Scientific Software (BSSw)" and a paragraph: "Software—the foundation of discovery in computational science & engineering—faces increasing complexity in computational models and computer architectures. BSSw provides a central hub for the community to address pressing challenges in software productivity, quality, and sustainability." At the bottom, there is a row of buttons: "GET ORIENTED", "Communities Overview", "Site Overview", "Intro to CSE", and "Intro to HPC". A blue callout bubble with a black outline is positioned on the right side, containing the text: "I have an idea to share. I read a great article to share. I found an important event, video, tutorial ... I'll contribute!".

Information For ▾ **Contribute To BSSw** Receive Our Email Digest

better scientific software

Resources ▾ Blog Events About ○

Better Scientific Software (BSSw)

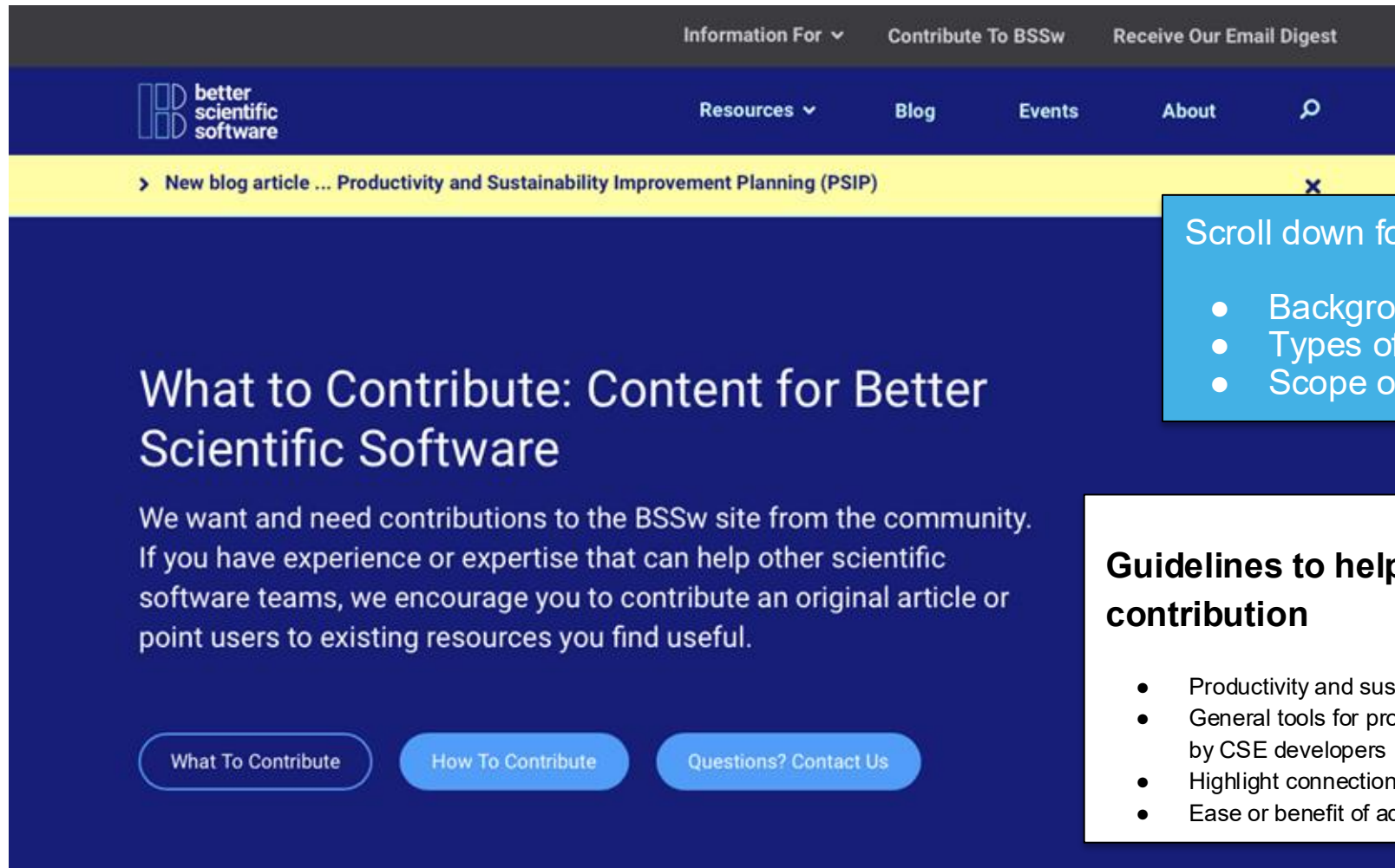
Software—the foundation of discovery in computational science & engineering—faces increasing complexity in computational models and computer architectures. BSSw provides a central hub for the community to address pressing challenges in software productivity, quality, and sustainability.

GET ORIENTED Communities Overview Site Overview Intro to CSE Intro to HPC

I have an idea to share.
I read a great article to share.
I found an important event,
video, tutorial ...
I'll contribute!

First: Is my idea a good fit?

Second: What type of content do I want to contribute (blog, curated content, event)?



Scroll down for Guidelines:

- Background Info
- Types of Content
- Scope of Content

Guidelines to help you with the scope of your contribution

- Productivity and sustainability challenges in CSE
- General tools for productivity and sustainability that can be widely used by CSE developers
- Highlight connections to the CSE community
- Ease or benefit of adoption

How to Contribute:

The screenshot shows the 'How to Contribute Content to Better Scientific Software' page. At the top, there is a navigation bar with links for 'Information For', 'Contribute To BSSw', and 'Receive Our Email Digest'. Below this is a dark blue header with the 'better scientific software' logo and a search icon. A yellow banner below the header reads '> New blog article ... Productivity and Sustainability Improvement'. The main content area has a dark blue background with white text. A blue cloud-shaped callout bubble contains the text 'My contribution is a good fit! How do I contribute?'. A red arrow points from this bubble to the 'How To Contribute' button, which is circled in red. To the right of the main content area, a light blue box contains text about the next steps for contributing content.

Information For ▾ Contribute To BSSw Receive Our Email Digest

better scientific software

Resources ▾ Blog ▾

> New blog article ... Productivity and Sustainability Improvement

How to Contribute Content to Better Scientific Software

Do you want to help the community work toward a long-term goal of advancing scientific discoveries through high-quality software? If yes, learn about *how to contribute* content to Better Scientific Software.

What To Contribute **How To Contribute** Questions? Contact Us

My contribution is a good fit!
How do I contribute?

Next step is to submit a title, short abstract, including links (curated content), or event details. Scroll down to contribute using:

- Github Issue

Links, directions, and guides for types and scope of content are provided.

How to Write an article

- **Submit a Github Issue on**
<https://github.com/betterscientificsoftware/bssw.io/issues>

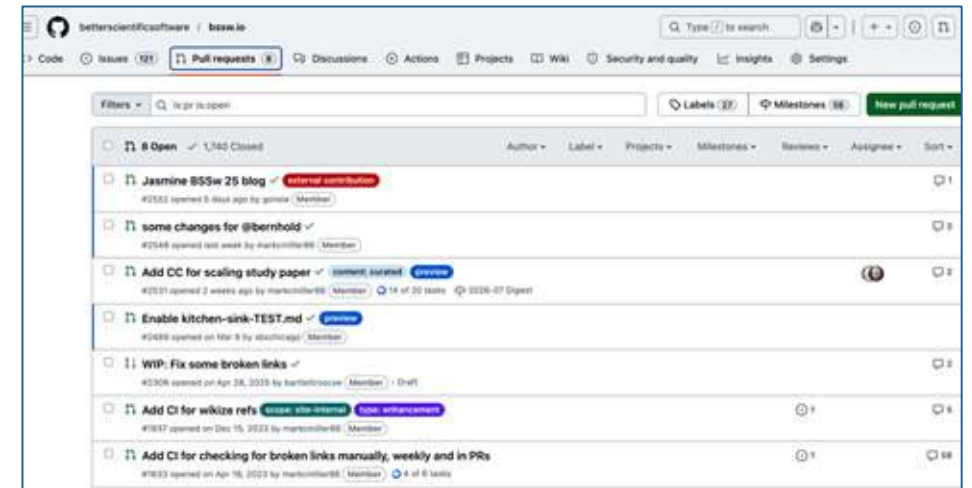
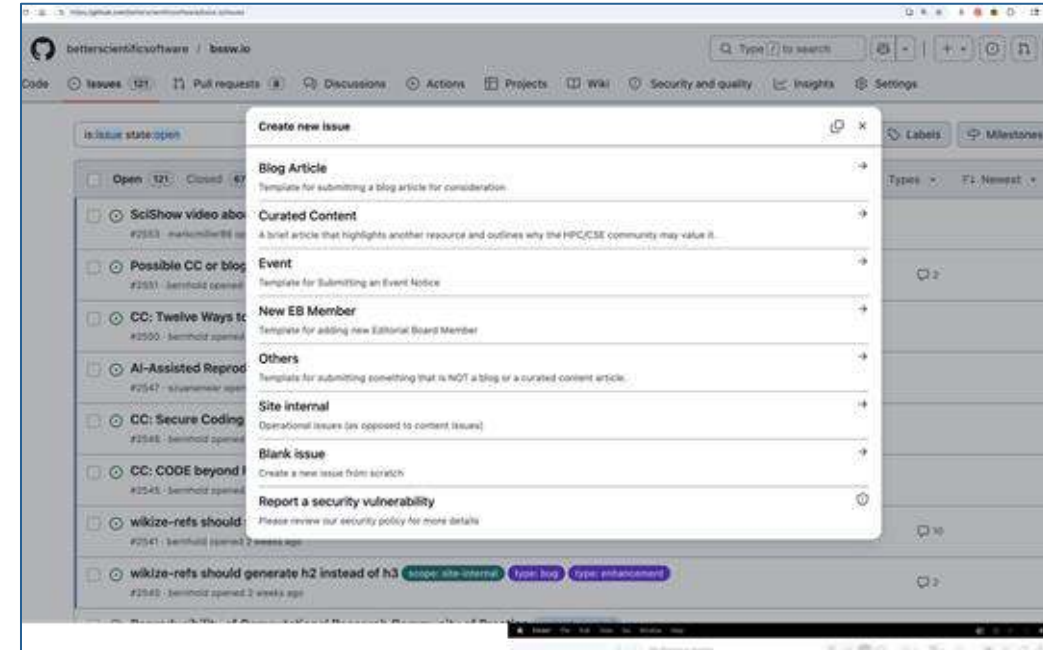
- Discuss scope and time frame
- Create PR and write

OR

- Submit a Github PR
 - Since BSSw fellowship articles are usually within scope

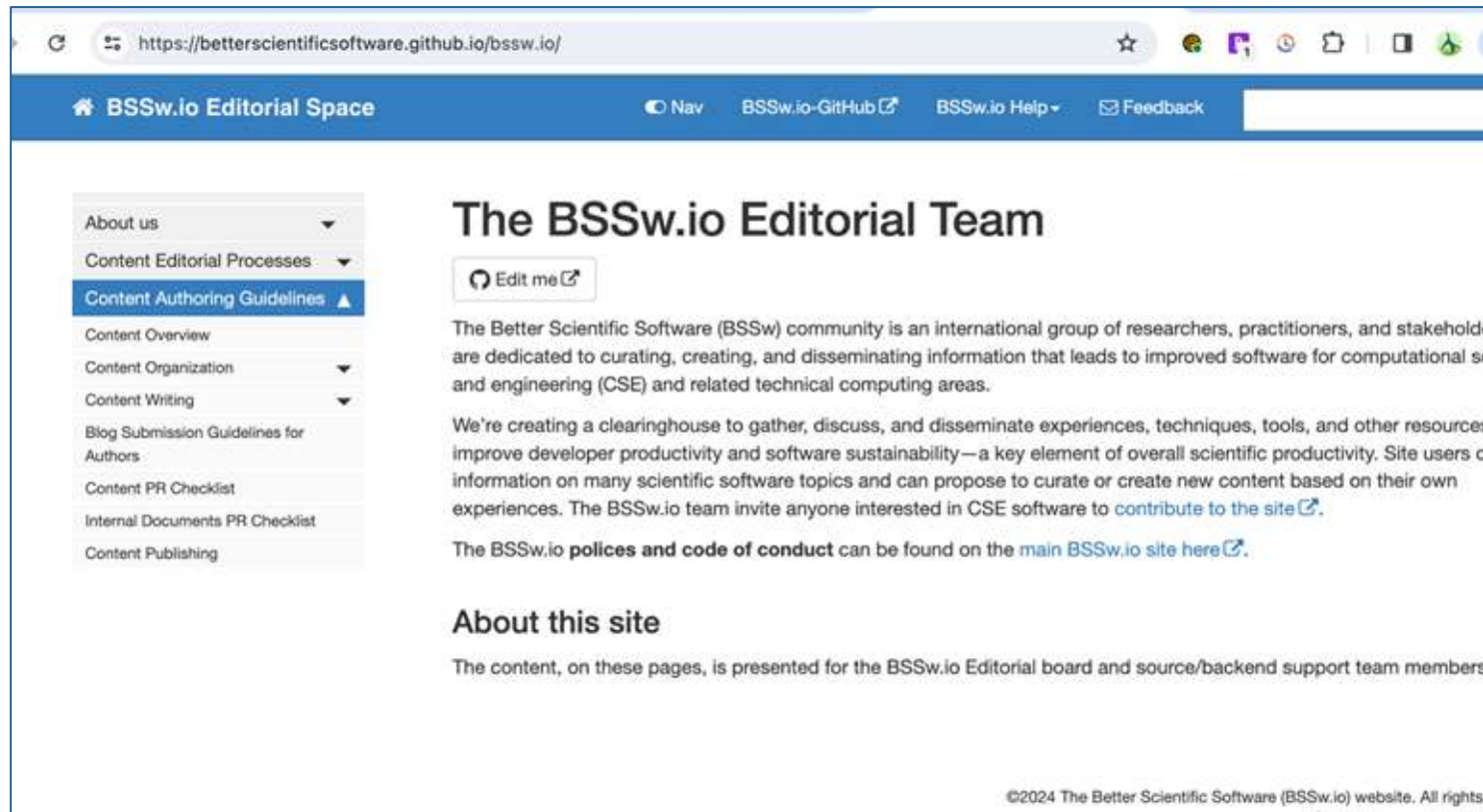
OR

- Submit via google docs/email
- EB member will do the Issue/PR creation
- This process could take a little longer due to communication overhead



Documentation on Authoring

- Guidelines present at <https://betterscientificsoftware.github.io/bssw.io/>



Process Overview (contributor side)

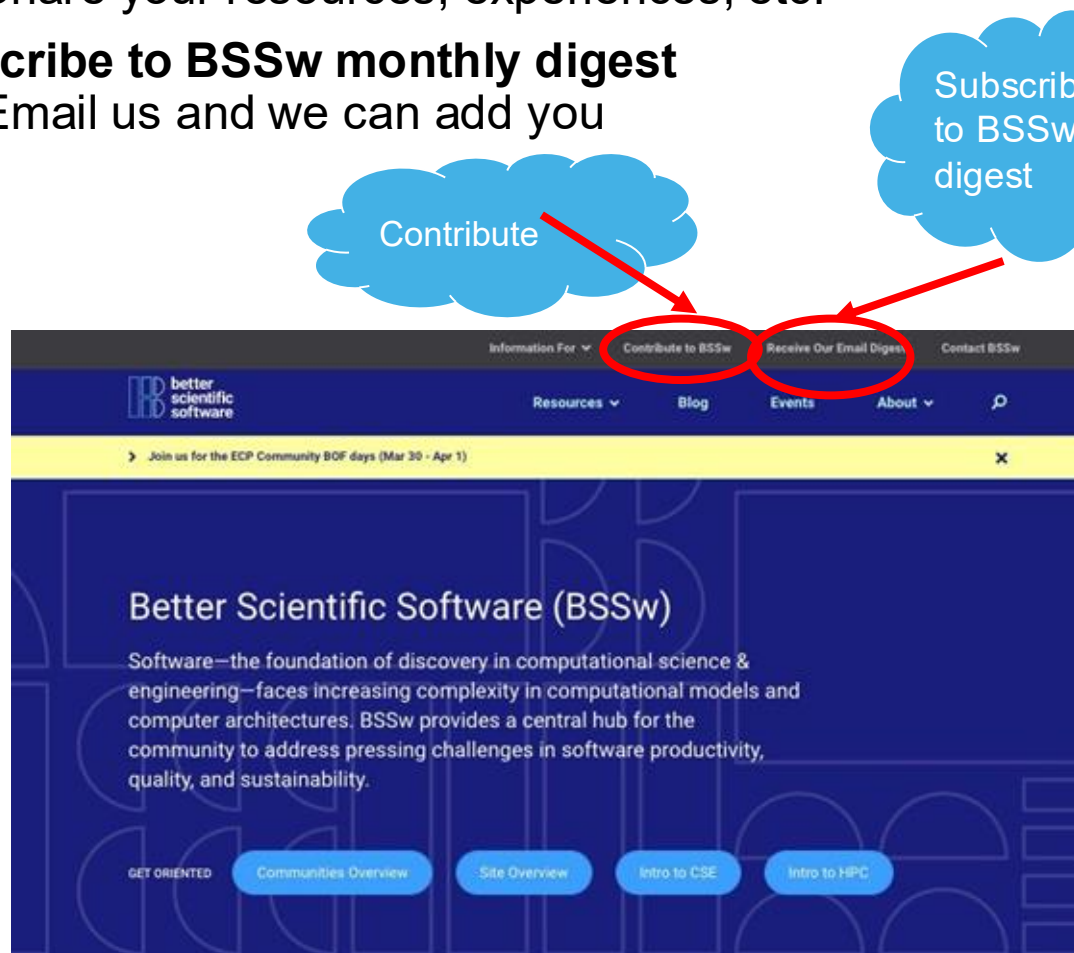
1. Submit a draft on github.
 - a. If not familiar with github, then submission in any format is ok (google docs, email etc.)
2. BSSw Editorial Board Member will communicate with you on github
3. BSSw EB member is assigned to shepherd the process
4. If blog, then EB members help you refine the article and set a timeline. Sometimes we may work with you to define a deck image (highlight image for the article)
5. If event → lightweight submission. EB member will monitor and help. Quick turnaround time.
6. If curated content → lightweight submission. EB member will monitor and help. Quick turnaround time.

Process Overview (EB side)

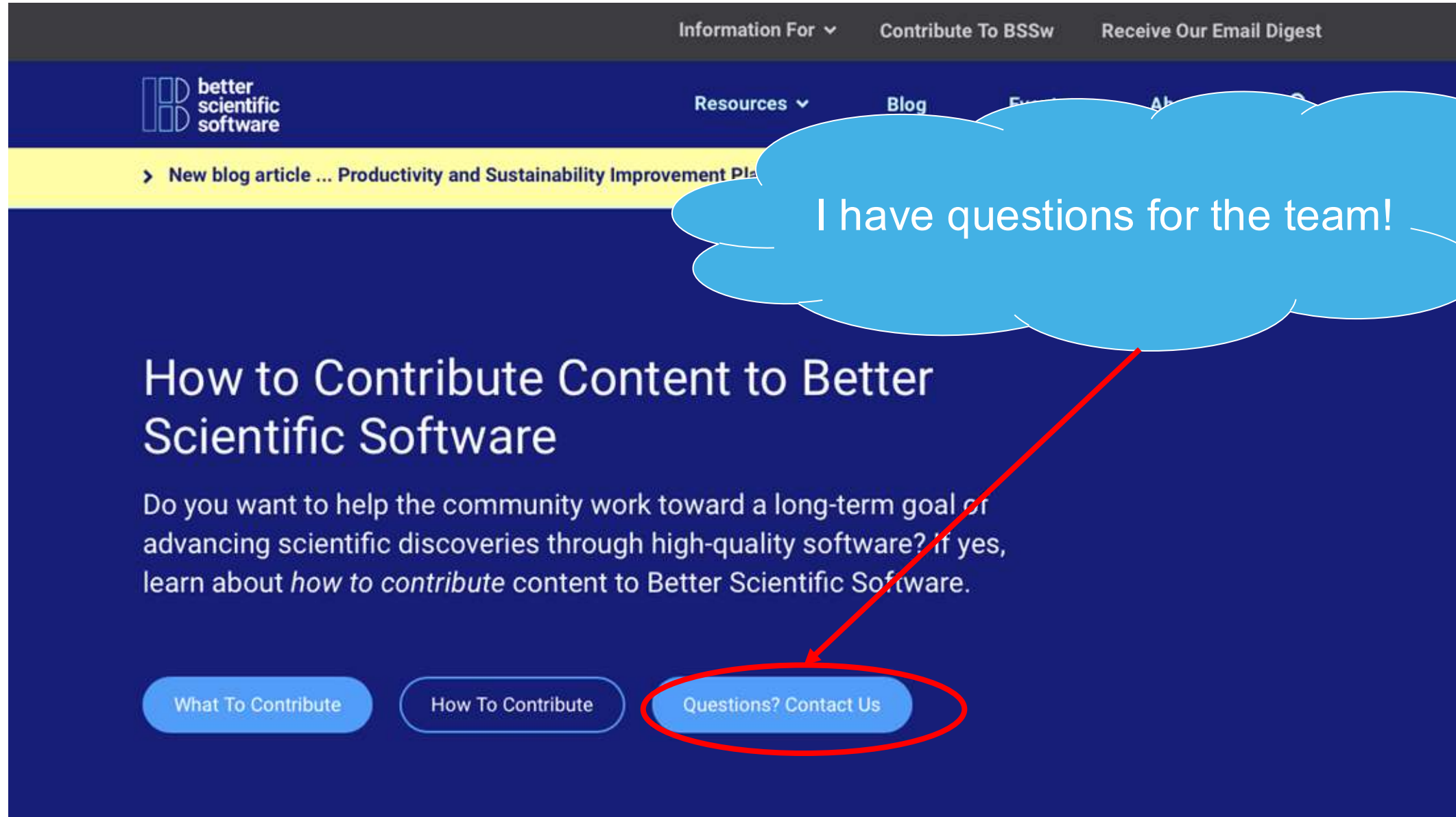
1. EB team gets submission on github
2. Submission gets add to content board, backlog column
 - <https://github.com/betterscientificsoftware/bssw.io/projects/3>
3. Members vote to check if topic is in scope and of interest and then it moves to “Ready to Write” phase.
 - For BSSw Fellows → mostly articles are expected to be in-scope.
4. EB shepherding member is assigned and articles moves to “In Progress” phase
5. EB member works with author to finish article and publish preview.bssw.io ← preview site when article is in progress (password protected)

THANK YOU!

- **Better Scientific Software Site: bssw.io Is Your Community Resource**
- **Your contributions needed!**
 - Share your resources, experiences, etc.
- **Subscribe to BSSw monthly digest**
 - Email us and we can add you



If you have questions, contact us.



The image is a screenshot of the Better Scientific Software website. At the top, there is a dark blue header with the logo on the left and navigation links: 'Information For', 'Contribute To BSSw', and 'Receive Our Email Digest'. Below this is a lighter blue navigation bar with 'Resources', 'Blog', 'Events', 'About', and 'Contact'. A yellow banner below the navigation bar reads '> New blog article ... Productivity and Sustainability Improvement Pla'. The main content area has a dark blue background with the title 'How to Contribute Content to Better Scientific Software' in white. Below the title is a paragraph: 'Do you want to help the community work toward a long-term goal of advancing scientific discoveries through high-quality software? If yes, learn about *how to contribute* content to Better Scientific Software.' At the bottom, there are three light blue buttons: 'What To Contribute', 'How To Contribute', and 'Questions? Contact Us'. The 'Questions? Contact Us' button is circled in red, and a red arrow points from a blue callout bubble to it. The callout bubble contains the text 'I have questions for the team!'.

Information For ▾ Contribute To BSSw Receive Our Email Digest

better scientific software

Resources ▾ Blog Events About Contact

> New blog article ... Productivity and Sustainability Improvement Pla

How to Contribute Content to Better Scientific Software

Do you want to help the community work toward a long-term goal of advancing scientific discoveries through high-quality software? If yes, learn about *how to contribute* content to Better Scientific Software.

What To Contribute How To Contribute **Questions? Contact Us**

I have questions for the team!

[cass-steering-committee
@email.ornl.gov](mailto:cass-steering-committee@email.ornl.gov)

<https://cass.community>



Consortium for the Advancement of Scientific Software



Elaine M. Raybourn, CASS Sec'y

Dept. of Computer Science, University of Central Florida

This material is based upon work supported by the U.S. Department of Energy, Office of Science, Office of Advanced Scientific Computing Research, Next-Generation Scientific Software Technologies (NGSST) and Scientific Discovery through Advanced Computing (SciDAC) programs.

CASS: Consortium for the Advancement of Scientific Software

- A **federation of member organizations** supporting specific communities or providing crosscutting capabilities related to **scientific software stewardship**
 - Software stewardship organizations (SSOs), for short
- CASS is a vehicle for SSOs to **coordinate and collaborate** on activities that benefit the scientific software community, including developers, users, and other stakeholders
 - Common identity/"brand" gives greater visibility to our efforts in the larger community
- Currently targeting the ASCR [scientific software ecosystem](#)
 - Especially software developed/enhanced through the ECP
 - Current CASS software portfolio: <https://cass.community/software/>

Current Core Members and Focus Areas

SciDAC Institutes

Other Software Areas

Ecosystem and Crosscutting

FASTMATH

Scalable mathematical libraries

S4PST

Programming models and runtimes

PESO

Fostering, curating, and delivering a scientific software ecosystem

RAPIDS

Platform readiness, data management / understanding, and AI tools

STEP

Performance and correctness tools

CORSA

Pathways to foundations, sw sustainability metrics

LEADS

Scalable, customized scientific machine learning

Current [members](#) supported by DOE/ASCR Next-Generation Scientific Software Technologies (NGSST) and SciDAC programs
We are open to new members from DOE or elsewhere

CASS Activities

More about the Better Scientific Software (BSSw) resource site in Rinku Gupta's presentation!

Inward-facing activities to support and enhance specific software products

- Improving software development practices, sustainability, quality, trustworthiness, impact
- Improving user experience, integration into the larger ecosystem

Stakeholder-facing activities to

- Facilitate the deployment of CASS software products via [E4S](#) and [Spack](#) through engagement with computing facilities
- Engage with HPC hardware, software, and service [vendors](#) to increase awareness and adoption of CASS software products
- [Working groups](#) bring together interested parties on various topics

Outward-facing activities to

- Curate the collection of software products (e.g., through [E4S](#))
- Help the community find and use [software](#) that might benefit them
- Help teams find and engage with users (e.g., [CASS Community BoF Days](#), [CASS at SC25](#), etc.)

Supportive and crosscutting activities, including

- Resources to improve software development practices through: [HPC Best Practices webinar series](#), [User/Developer Experience webinar series](#), [Better Scientific Software information site](#), etc.
- Advancing the multidisciplinary community and workforce for next-generation computing sciences
- The [Better Scientific Software Fellowship](#) program

Expect more CASS-related events at SC26!

Engage with CASS @ SC25

CASS, CASS members, and software teams are participating in more than 50 events throughout the week at SC25!

Day/Time (CST)	Event Type	Event (program link)	CASS Member(s)
Sun. Nov. 16 8:30am-12:00pm	Tutorial	Better Software for Reproducible Science	PESO, RAPIDS
Sun. Nov. 16 8:30am-12:00pm	Tutorial	Tools To Detect and Diagnose Floating-Point Errors in Heterogeneous Computing Hardware and Software	S4PST
Sun. Nov. 16 8:30am-5:00pm	Tutorial	Using Containers to Accelerate HPC	PESO
Sun. Nov. 16 9:00am-12:30pm	Workshop	ExHetAI: Extreme Heterogeneity and AI Convergence in HPC	S4PST
Sun. Nov. 16 9:00am-5:30pm	Workshop	Research Software Engineers in HPC (RSE-HPC-2025)	CORSA
Sun. Nov. 16 1:30pm-5:00pm	Tutorial	Julia for HPC	S4PST
Sun. Nov. 16 3:30pm-4:00pm	Presentation	MPI at Exascale and Beyond: Challenges and Progress from MPICH	S4PST
Sun. Nov. 16 3:30pm-4:10pm	Presentation	To Join or Not to Join - RSE Feedback on the Perceived Value of Joining an Open Source Software Foundation	CORSA
Sun. Nov. 16 4:10pm-5:30pm	Panel	RSEs and Research Culture	CORSA
Sun. Nov. 16 4:10pm-4:30pm	Paper	KDRSolvers: Scalable, Flexible, Task-Oriented Krylov Solvers	S4PST

CASS BOF Days, February 10 – 12, 2026

What

- Community-led Birds-of-a-Feathers sessions, organized by CASS
- Teams and stakeholders **meet, learn, discuss**
- BOFs on CASS-member **scientific libraries, tools**
- BOFs on **community development efforts**
- *Not limited to CASS software teams or communities*

Details

- 15 BoF events over three days
- 780 total registrations
- Held via Zoom

Future Plans

- Annual event, probably in February
- Join our [mailing list](#) for updates
- If you'd like to organize a BoF in the BoF Days, email the [CASS Steering Committee](#)

CASS Working Groups

- [Working groups](#) are the primary means by which we organize members of the CASS community to advance our stewardship efforts
- Most CASS working groups welcome public participation
- Request to join:
cass.community/working-groups

Active Working Groups

Impact Framework

Curating the CASS Impact Framework process

Integration

Improving quality, sustainability, and interoperability across the scientific software ecosystem

Metrics

Curating and developing metrics for understanding software sustainability, quality and impact

Software Ecosystem

Planning and executing activities that support and enhance holistic collaboration across the breadth of the CASS community member organizations to sustain and advance our software libraries and tools usage as a curated portfolio

User-Developer Experience

Promote improved user-developer experiences

Workforce

Advancing the multidisciplinary community and workforce for next-generation computing sciences, with emphasis on scientific software

Engage with CASS!

- **Participate!**
 - [HPC Best Practices webinar series](#), [UDX webinar series](#)
 - Community BoF Days, CASS @ Supercomputing
 - Read and contribute to the [Better Scientific Software](#) resource site
 - Apply for the [Better Scientific Software Fellowship](#)
- Join our [announcement mailing list](#) to follow our activities and our [Slack](#) to engage with the CASS community
- Find out more about our [software products](#)
- Reach out to [member organizations](#) in your communities of interest
- Participate in (or start!) [working groups](#), building throughout the ecosystem
- If you're a commercial vendor in the scientific computing space, join our [Vendor Forum](#)
- [Join CASS](#) and help us reach a larger portion of the scientific software ecosystem!

<https://cass.community>
cass-steering-committee@email.ornl.gov

<https://cass.community>



INTERSECT

Research Software Engineering Training

<https://intersect-training.org>

Ian A. Cosden

Sr. Director, Research Software Engineering
Princeton University

Jeffrey C. Carver

James R. Cudworth Professor of Computer Science
University of Alabama

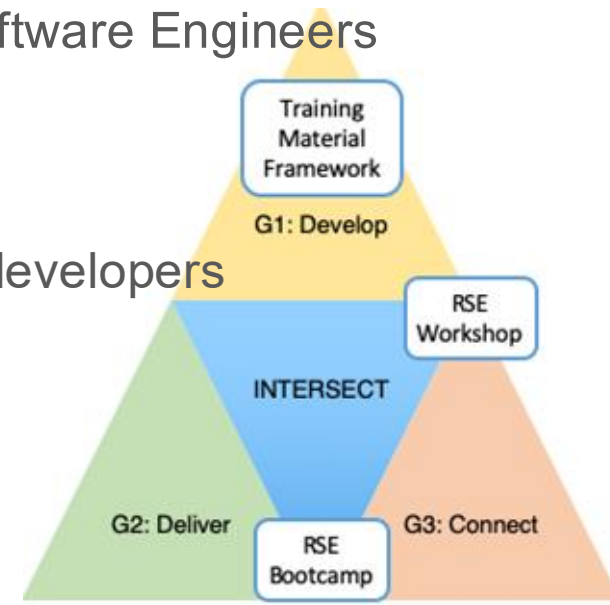


Supported by NSF Awards: 2017424, 2017259, 2519563 & 2519564



INTERSECT

- Innovative Training Enabled by a Research Software Engineering Community of Trainers
 - NSF-Funded CyberTraining project 2020-2025
- 3 main goals:
 - Develop an open-source modular training framework conducive to community contribution
 - Deliver RSE-led research software engineering training targeting developers
 - Deepen the connection within the national community of Research Software Engineers
- Sponsored events:
 - Workshop for RSEs to develop/refine material
 - 3x RSE-led bootcamps for intermediate/advanced research software developers
- INTERSECT 2.0
 - New NSF CyberTraining project 2025-2029



Project Timeline

- 2020 - Project funded
- 2021 - Collect and publish links to existing training material

Project Timeline

- August 2022: 1st Workshop - 2 days @Princeton
- Brought together practitioners, experts, instructors and researchers
- Conceptualized key curriculum elements
 - Design
 - Working Collaboratively
 - Testing
 - Packaging & Distribution



INTERSECT Workshop - Aug 2022

Project Timeline

- 2022 Sept - 2023 June: Bootcamp Planning & Lesson Development
 - Refined Curriculum “modules”
 - Primary instructors identified
 - Carpentries-style lesson format

This lesson is being piloted (Beta version)

Home Code of Conduct Setup Episodes + Extras + License Improve this page

Packaging

When you are programming, usually you are solving a problem - the programming is simply a means to an end. If that's the case, then packaging is a means to a means to an end. This often makes packaging the last thing you think about, but it's actually one of the most important parts of any work, as it's what makes code obtainable and reusable!

Packaging is absolutely critical as soon as you:

- Work on more than one thing
- Share your work with anyone (even if not as a package)
- Work in more than one place
- Upgrade or change anything on your computer

Unfortunately, packing has a *lot* of historical cruft, bad practices that have easy solutions today but are still propagated. This material tries to correct that by showing you a clean, modern way to write and work with Python packages.

See Also

This is a tutorial. For reference material, you should bookmark the following guides:

- learn.scientific-python.org/development
- packaging.python.org

Prerequisites

- Basic Python
- Light familiarity with pytest may be helpful

Schedule

	Setup	Download files required for the lesson
00:00	1. Environments and task runners	How do you install and manage packages? How can you ensure others run the same code you do?
00:20	2. Python to package	How do we take code in a Jupyter Notebook or Python script and turn that into a package? What are the minimum elements required for a Python package?

Curriculum Refinement

- Expanded from workshop
 - (Design, Working Collaboratively, Testing, Packaging & Distribution)
- Split Working Collaboratively into smaller modules
 - Collaborative Git
 - Issue Tracking
 - Documentation
 - Licensing
 - Project Management
 - Code Review & Pair Programming
- Add CI/CD

Software Design Module introducing basics of software design. Start learning now! Contribute!	Packaging Module introducing Python packaging and distribution. Start learning now! Contribute!	Collaborative Git Module introducing collaborative git. Start learning now! Contribute!
Issue Tracking Module introducing issue tracking. Start learning now! Contribute!	Making Good PRs Module introducing how to make good pull requests. Start learning now! Contribute!	Licensing Module introducing software licensing. Start learning now! Contribute!
Code Review Module introducing code review. Start learning now! Contribute!	Building a Community Module introducing basics of building a community around a software package. Start learning now! Contribute!	Testing Module introducing basics of systematic, automated testing. Start learning now! Contribute!
CI/CD Module introducing continuous integration and continuous development (CI/CD). Start learning now! Contribute!	Documentation Module introducing documentation practices. Start learning now! Contribute!	Project Management Module introducing project management. Start learning now! Contribute!

Target Audience for Bootcamp

- Developed “Learner Profiles”
 - Domain researchers with some experience with programming and research code
 - Graduate students; post docs; early career
 - But not computer science backgrounds
- Some may be RSEs or want to be RSEs
 - Prioritize those that self-express desire to do RSEng

Example Learner Profiles

Example Learner #1

Jose is a 4th year PhD student who is developing a framework for a computationally intensive problem. He took some programming classes as an undergrad and has started reading more books and tutorials on programming concepts and techniques as his passion for the work increases. He mostly works in C++ because that is what someone told him to do early on. However, he has been working in Python more recently. He is the only member in his research lab who is interested in software engineering. He wants to learn more and grow as a software developer.

Example Learner #2

Alyssa is a first year postdoc in computational neuroscience. Along with some junior graduate students in the lab, she's part of a small team developing an open software package intended to be used by other researchers. While she has never taken a formal course in programming, she spends the majority of her day working in Python. She has taken ownership of the codebase and wants desperately for it to be successful and adopted by the community. As the de facto leader of the group, she has come to the realization that her lack of programming knowledge causes her to question whether she is making smart programming decisions.

Example Learner #3

Julie is a 3rd year PhD student in Molecular Biology who loves writing code and has recently decided that she enjoys programming more than biology. With a PI who views programming as an "evil you must pay to get your research done," she feels like the only one who is prioritizing and interested in software development. She is starting to think that science may not be for her. She would like to learn all she can about writing good code, connect to a community who shares her passion and interest in research software, and have something to add to her CV that can help her pursue a career in research software.

Bootcamp Advertising and Selection

- Primarily advertised through US-RSE, professional networks, & social media
- Funding (via NSF) available to support participant travel
- Consistently 3x more applicants than space/funding
- Questions on application included:
 - Please describe any programming/computing background and experience you have.
 - What are your long term research software plans?
 - Why are you applying to attend this bootcamp?

Bootcamp Participant Profile

- 105 total participants across 3 cohorts
 - Undergraduate Students, Graduate Students, Research Software Engineers, Researchers, Postdocs, Staff Scientists, Faculty
 - Representing more than 50 unique institutions
 - Self-reported research domains include:

Biology/ecology

Scientific Computing

Public Policy

Astronomy

Materials Science

Humanities - Textual Criticism of the Greek

New Testament

Physics, CS(Machine Learning)

Biology-Genomics

(Space/plasma) physics

Biophysical Chemistry, Biophysics,

Bioinorganic Chemistry

Engineering

Systems Neuroscience

Environmental Engineering

Materials engineering

Electric Vehicles modelling

Physics, HPC Scientific Applications

Computational Neuroscience

Literature, Science, and Arts (primarily psychology)

Information Science

Biodiversity science, natural history

Biomedical science, public health

Data visualization

Humanities - art history and cultural studies in East Asia

Nuclear Engineering

Biology and engineering

Cosmology & Astrophysics

Neuroscience

Physics/Engineering

Climate change, Energy, Infrastructure

Physics, sociology, biology

Helio-physics

Genetics, Neuroscience, Bioinformatics

Biomedical Data Science

Bootcamp Curriculum & Agenda

- Monday
 - Intro
 - Project Management - Part 1
 - Project Management - Part 2
 - Design - Part 1
 - Design - Part 2
 - Licensing
 - *Welcome Reception & Dinner*
- Tuesday
 - Working Collaboratively - Intro
 - Collaborative Git - Part 1
 - Collaborative Git - Part 2
 - Issue Tracking
 - Making good PRs
 - Better Documentation
 - *Reception Dinner*
- Wednesday (half day)
 - Code Review - Part 1
 - Code Review - Part 2
- Thursday
 - Packaging & Distribution - Part 1
 - Packaging & Distribution - Part 2
 - Testing - Part 1
 - Testing - Part 2
- Friday (half day)
 - CI/CD - Part 1
 - CI/CD - Part 2



Bootcamp Cohort Community Building

- Intro slides
- Slack channel
- Collaborative hands-on exercises
- Breakfast, lunch, & breaks
- Mon & Tues night organized dinner/receptions
 - Sponsored by local campus partners





Ian Cosden

*Sr. Director, Research Software Engineering
Research Computing, Princeton University*
cosden@princeton.edu
[@IanCosden](https://twitter.com/IanCosden) (US-RSE Stack)
he/him

My role:
I lead the central Research Software Engineering Program at Princeton University.

I'm currently the chair of the US-RSE Steering Committee



I'm interested in RSE training because:
I think there is a huge need and therefore opportunity to (a) impact research software development, (b) build a pipeline of well-trained developers and (c) raise awareness of a new career path within the research ecosystem.

Related technical topics I'm interested in:
Performance tuning, parallel programming

My background (or other interesting info):
During my PhD I came to the conclusion that, while I enjoyed science, I was far more passionate about scientific programming.

My hope for the future of RSE training:
The community can collaboratively develop progressively more cohesive and comprehensive training programs. Starting with week long bootcamps (like this) and evolving into longer courses and possibly even certificate and degree granting programs.



Broad Impressions and Lessons Learned

- Technical subject matter would be hard to find elsewhere
- Format of material is useful
 - Self study
 - Bring to others to justify/explain best practices
- Modularity of subjects was a positive
 - Those who were lost in one section, quickly came back
 - Variety of instructors
- Value in community/cohort connections
 - Found “people like me”
 - Diversity of attendees was a positive
 - Potential collaborations
 - Impossible to replicate remotely



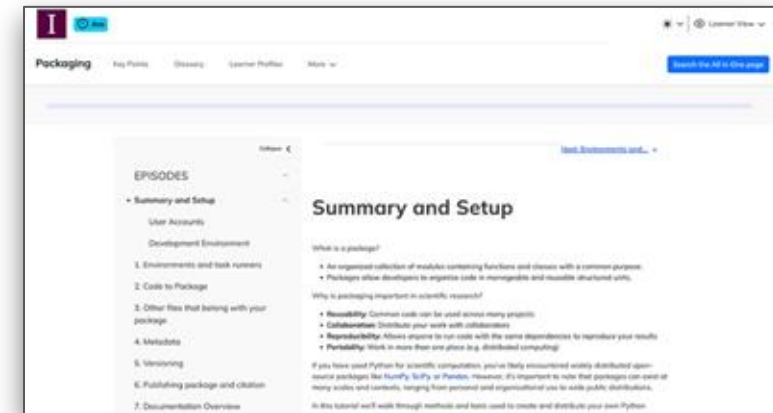
2023 INTERSECT Cohort

Lessons Learned Cont.

- Pacing and half day are well received
- Diverse backgrounds means vastly different entry points
 - Some struggle in places
 - Python
 - Git (especially for CI/CD)
 - Some would like different/extra material
 - C++, Cloud, ML
- Would benefit from more instruction time on some modules (testing, CI/CD)
- Reliant on volunteer instructors
- Carpentries format is time consuming and doesn't always work well live

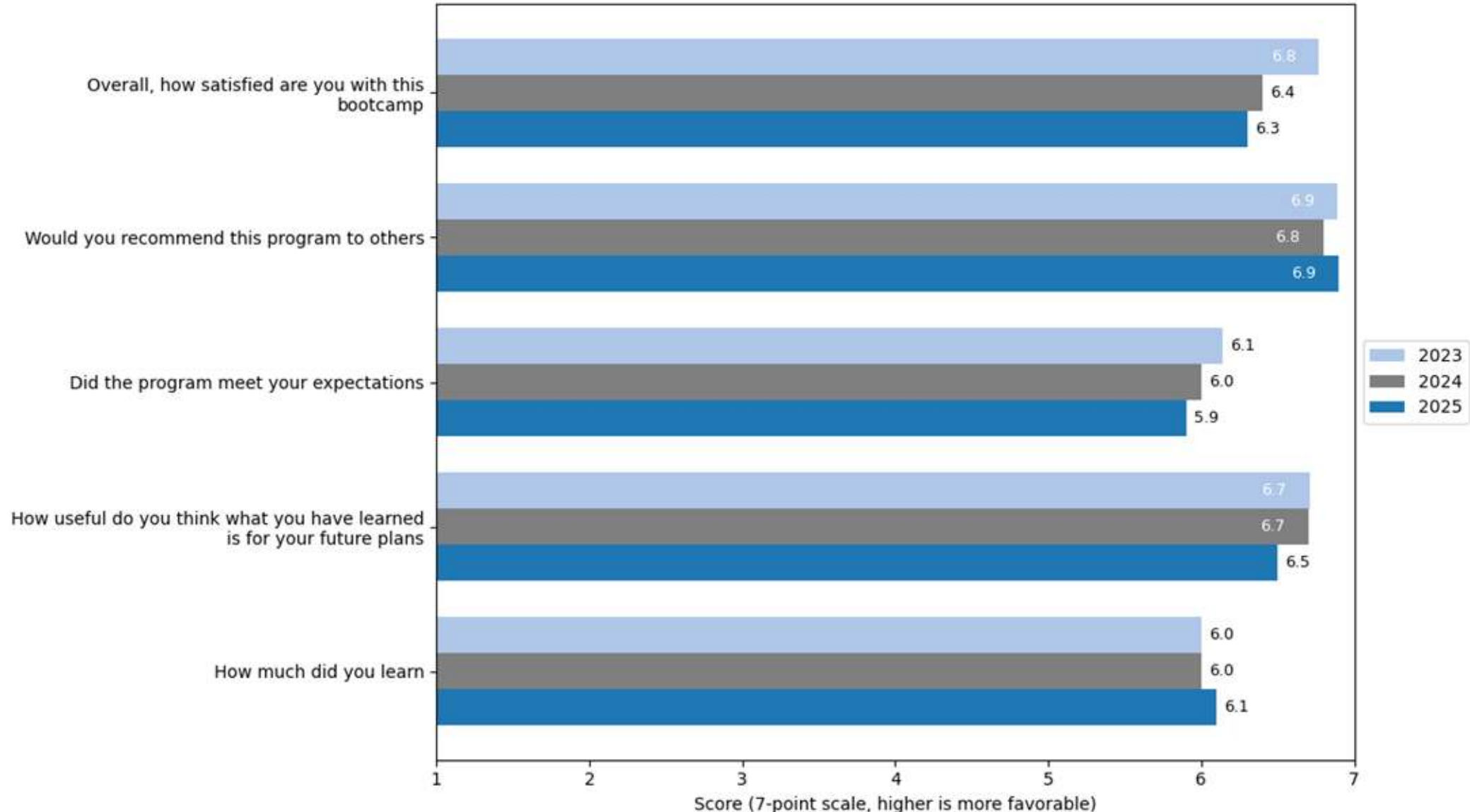


2024 INTERSECT Cohort



2025 INTERSECT Cohort

Snapshot of Overall Survey Results: Years 1-3



Direct Feedback

- “I am so grateful for the opportunity to be able to attend a bootcamp like this, as I cannot think of how I would have gotten exposure to all these important concepts we've learned otherwise.”
- “This is the single most influential program I have attended in grad school, and maybe even my whole college career.”
- “Attending in person is 200% better over zoom.”
- “This boot camp has been, hands down, the best experience in my self-taught programming journey by far.”

Thank you INTERSECT Instructors!



David Bernholdt



Abhishek
Biswas



Troy Comi



Julia
Damerow



George
Dang



Anshu Dubey



John Holland



Upulee Kanewala



Lauren Milechin



Marshall
McDonnell



Miranda Mundt



Gabe Perez-
Giz



Abbey Roelofs



Dave Rumph



Henry Schreiner

Next Steps

- Annual Bootcamps through summer of 2029
- Evolution of material
 - GenAI & Agentic Software Development Tools and Techniques
- Considering future possibilities
 - “Road Show”
 - (Inter)national collaboration with similar projects
 - We welcome local reuse

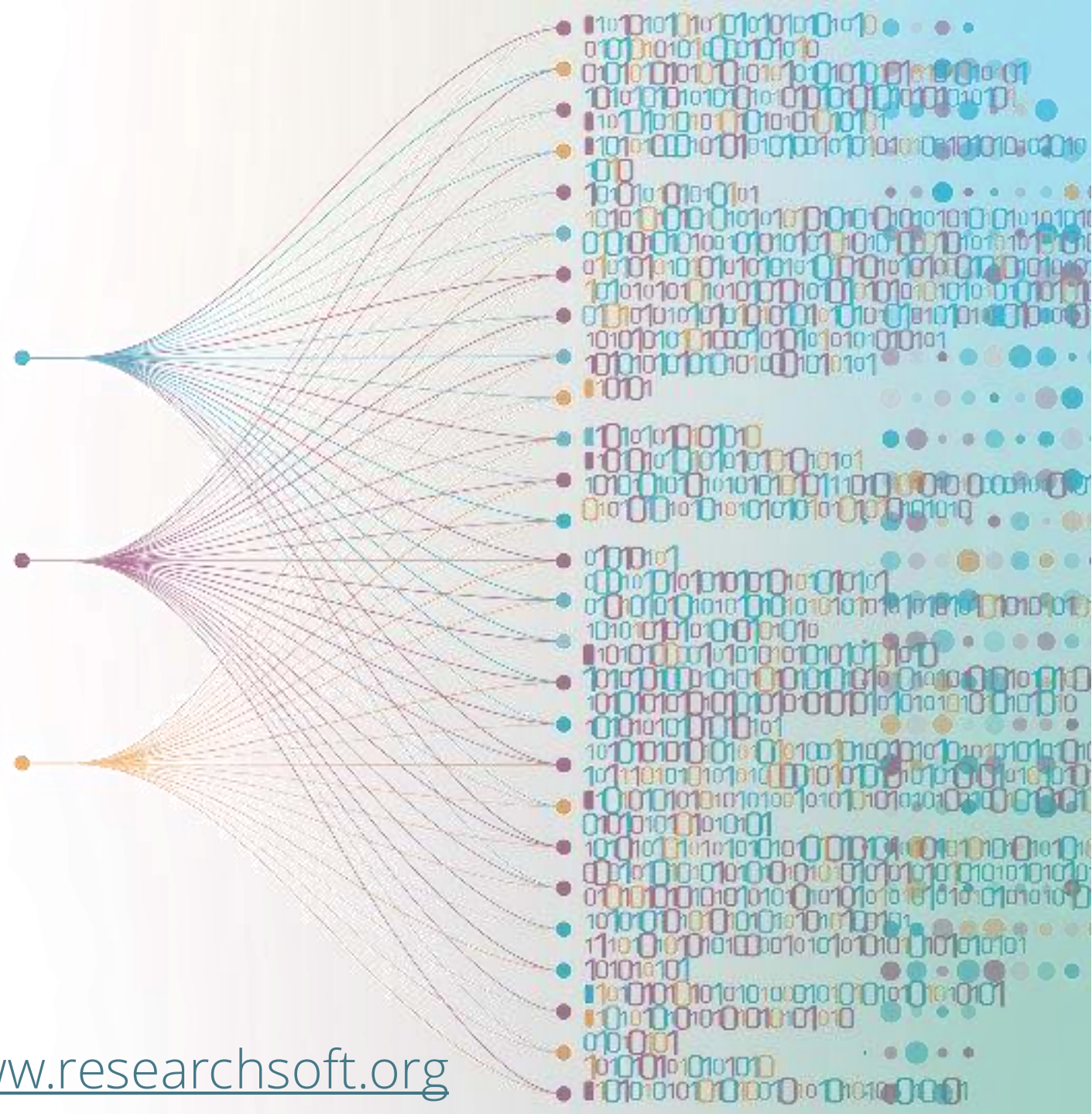
<https://intersect-training.org/participate>



The Research Software Alliance (ReSA)

Daniel S. Katz

University of Illinois Urbana-Champaign



<https://www.researchsoft.org>



About ReSA

- Founded in 2019
- A fiscally sponsored project of [Code for Science & Society](#)
- Led by the [ReSA Steering Committee](#)
- Financial information [online](#)



Dr Michelle Barker
Director



Kim Hartley
Program Manager



Code for Science & Society
Fiscal Sponsor

ReSA Steering Committee



Chair: Daniel
S. Katz
Chief Scientist,
National Center for
Supercomputing
Applications
(NCSA), University
of Illinois



Caxton
Murira
Product Specialist,
Team Lead, Clinical
Research and Trials
Community (CRTC)
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Science for Africa
Foundation



Colette Bos
Programme
Director,
Netherlands
eScience Center



Juan
Bicarregui
Head of the Data
Division, Science
and Technology
Facilities Council
(STFC)



Neil Chue
Hong
Director, Software
Sustainability
Institute, University
of Edinburgh



Nicolás
Palopoli
Adjunct Researcher,
National Research
Council in Argentina
(CONICET)



Shurui Zhou
Assistant Professor,
The University of
Toronto



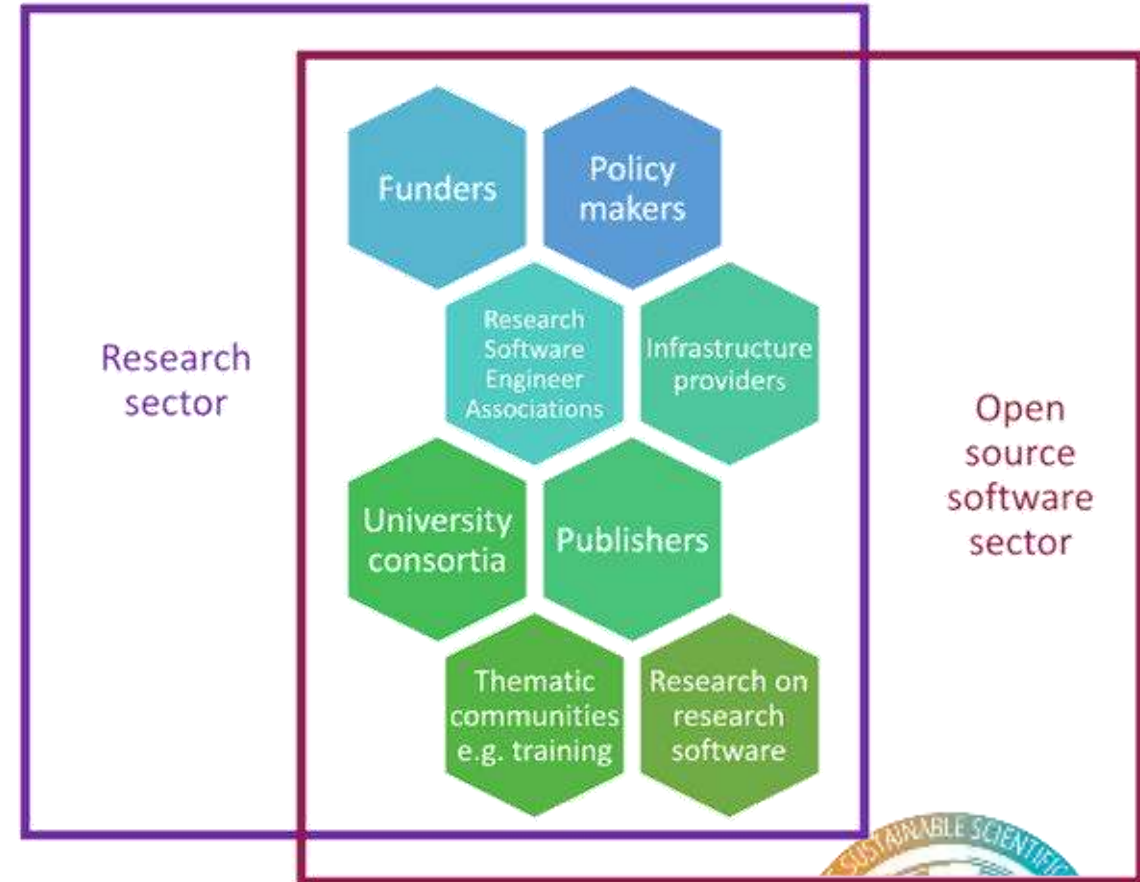
Research Software Alliance

Vision:

Research software and those who develop and maintain it are recognized and valued as fundamental and vital to research worldwide

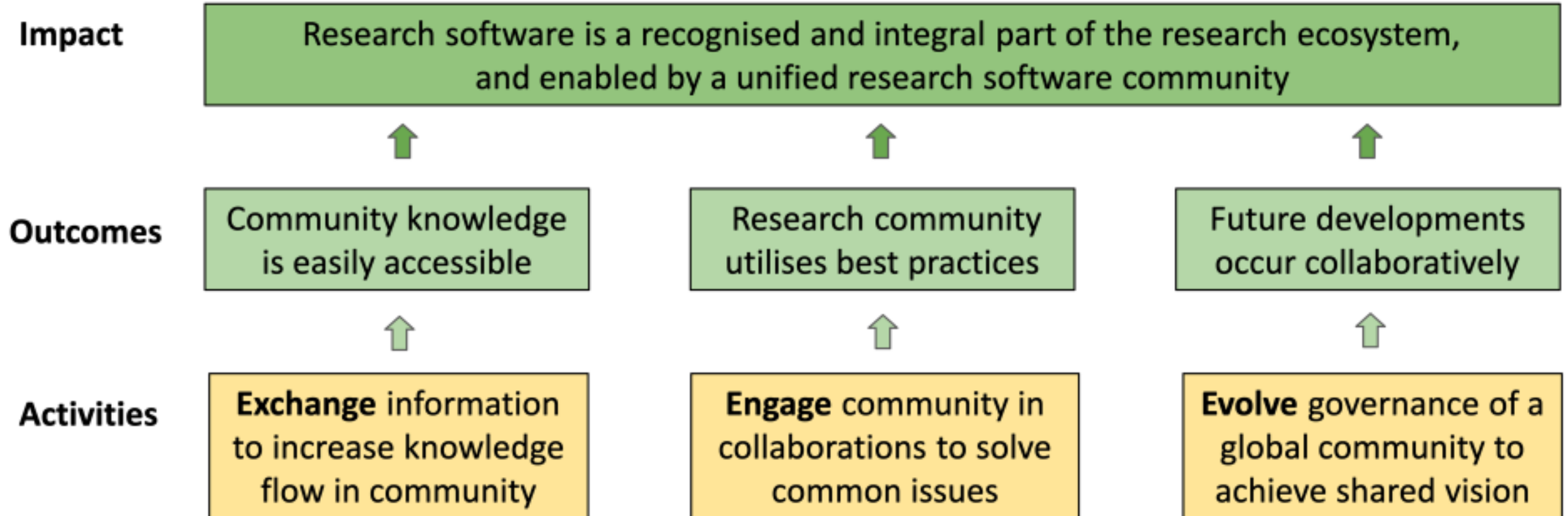
Mission:

To advance the research software ecosystem by collaborating with decision makers and key influencers

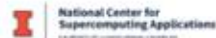


ReSA aims to coordinate discussions across
a wide range of research software organizations
and programs,
enabling the community to create outcomes
that **achieve both local goals**
and **those of the international community**

ReSA engagement strategy



ReSA organisational members





Example activities

ReSA forums

- ReSA convenes forums for research software [funders](#); [infrastructure providers](#); [policymakers](#); [publishers](#); [skills and training](#); and [metascience](#)
- Research Software [Community Leadership Forum](#)
- Secretariat for the [International Council of RSE Associations](#); and the [Amsterdam Declaration on Research Software Sustainability \(ADORE.software\)](#).



7–8 September 2026
Sheffield, UK & online
Co-located with RSECon26

www.researchsoft.org/irsc/

Our purpose:

To advance global shifts toward strategic coordination, long-term sustainability, and high-level collaboration across the research software community.

Participants:

Leaders and change-makers: RSEs, funders, policy makers, publishers, infrastructure organisations, skills & training initiatives, national/regional RSE associations, etc.

Learn more:

[Register](#) to attend

[Join the IRSC mailing list](#) for updates

Connect on ReSA's Slack: [#irsc](#)

OECD 2025-26 program to support research software

- Access to research software: Opportunities and challenges – Sept 2025 workshop
 - Explored policy options to support access to research software as a key enabler towards advancing open science
- Policies for research software in the age of artificial intelligence – March 2026 workshop
 - Identified emerging evidence and policy considerations on research software within the broader open science agenda.
 - Case studies from 7 countries
 - Aims to make recommendations to OECD member states



Amsterdam Declaration on Funding Research Software Sustainability

- ADORE.software
- Aims to raise awareness of the role of funding practice in the sustainability of research software, and to improve that practice
- Is a first step towards formalising, on a global level, the basic principles and recommendations related to funding the sustainability of research software, including the people needed to achieve this goal.



Photo by [Annelies Verhelst](#)

Policies in research organisations for research software (PRO4RS)

- 2024-26 [working group](#), co-convened with Research Data Alliance (RDA) 2024-26
- Improved recognition of research software policy at the institutional level
- Outcomes: [database of research software policies](#), informed institutional guidance, and published “[Identifying Gaps in Research Software Policy](#)”



Photo by [Annelies Verhelst](#)

Research software & GenAI

- RSEng in the Age of GenAI: Building a Community Vision, a Schmidt Sciences and ReSA workshop in March 2026 to:
 - Explore future practices
 - Consider key risks and challenges
 - Identify a catalogue of interventions
 - Collate an informal list of resources
- Built upon Position Statement on Generative AI in the RSE Workplace (2025) by ADSA and US-RSE (supported by Schmidt Sciences) includes:
 - RSE work is people work
 - GenAI is a tool, not a substitute for human judgment
 - Sustainability and transparency matter more than ever



How you can engage with ReSA

- Join a relevant forum e.g., [skills and training](#) or [metascience](#)
 - Join [task forces](#) focused on specific activities
 - Become an [Organisational Member](#) to financially support our work
 - Help to raise awareness of the importance of research software through use of ReSA [resources](#)
-
- Receive updates through our regular [newsletter](#)
 - Join the ReSA [Slack](#) to share what is happening in your community



NLS³C CoP Webinar



US-RSE

A brief history & Overview

Keith Beattie

KSBeattie@lbl.gov

Steering Committee Member

contact@us-rse.org, [@us_rse](https://twitter.com/us_rse)

<https://us-rse.org>

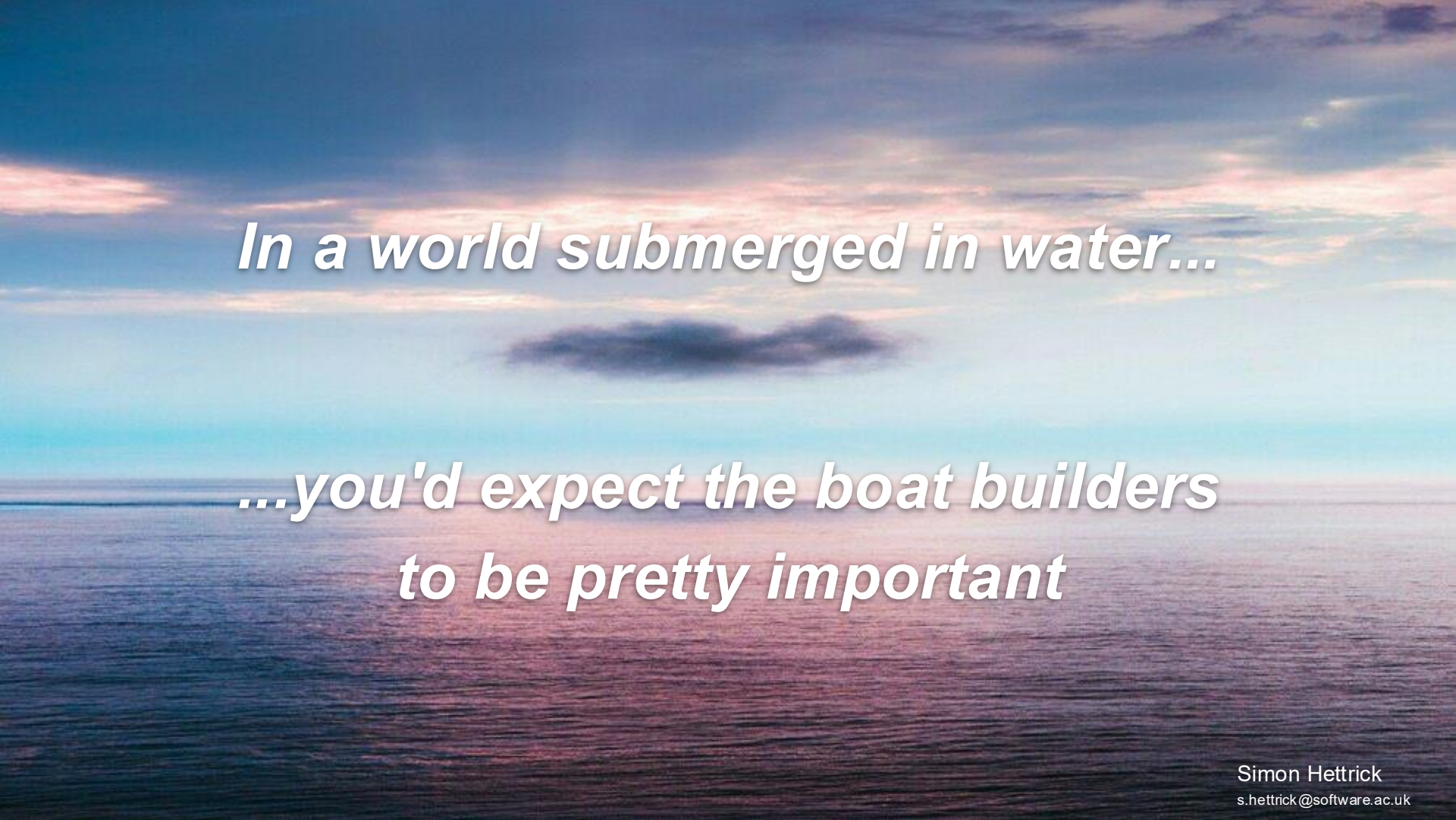


@us_rse@fosstodon.org



[@us-rse.bsky.social](https://bsky.social/@us-rse.bsky.social)





In a world submerged in water...

*...you'd expect the boat builders
to be pretty important*

US-RSE: What is a Research Software Engineer?

- Exactly what it sounds like:
 - Software engineers focused on research problems
- At institutions world-wide
 - Universities
 - National Lab
 - Industry
- Help optimize, test and validate codes, design complex codebases, etc.



<https://us-rse.org>



@us_rse@fosstodon.org



[@us-rse.bsky.social](https://bsky.app/profile/@us-rse.bsky.social)

The United States Research Software Engineer Association (US-RSE)

A community-driven grassroots organization

Members are:

- Those who write and contribute to research software
- Interested in research software engineer careers
- RSE “allies”



<https://us-rse.org>



@us_rse@fosstodon.org



[@us-rse.bsky.social](https://bsky.social/@us-rse)

US-RSE's Origin Story

- Movement and Term: Born in the UK
 - 2012 SSI's Collaborations Workshop - "Research Software Engineer"
 - Late 2013 UKRSE Association forms with ~50 members
- US: Winter 2017-2018
 - Int'l Survey of RSEs: ~175 US responses
 - 12 responded with interest to build a national community
 - UK Sponsored *1st International RSE Leaders Meeting*
 - 5 US delegates
- Jan-Feb 2018: US-RSE Slack workspace and first website go live
- 2019
 - Established high level mission/goals
 - First Steering Committee



US-RSE Mission

1. Community

- Create a professional community to share knowledge, connections, and resources

2. Advocacy

- Promote RSEs impact on research, highlighting the critical and valuable role RSEs serve

3. Resources

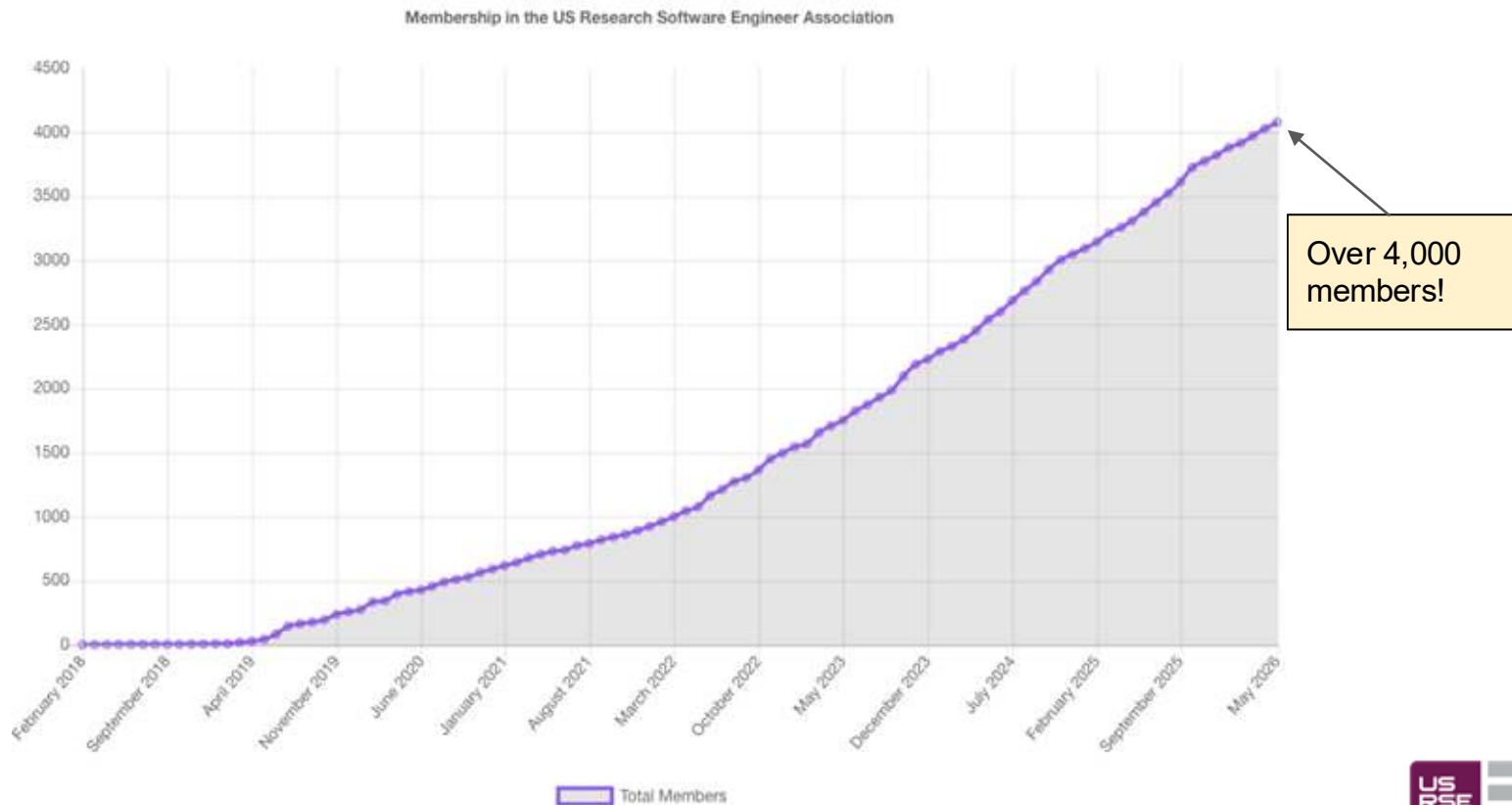
- Provide access to information and material to support individuals and RSE groups

4. Diversity, Equity, and Inclusion

- Actively promote, encourage, and improve opportunities within RSE community



Membership Growth



<https://us-rse.org>



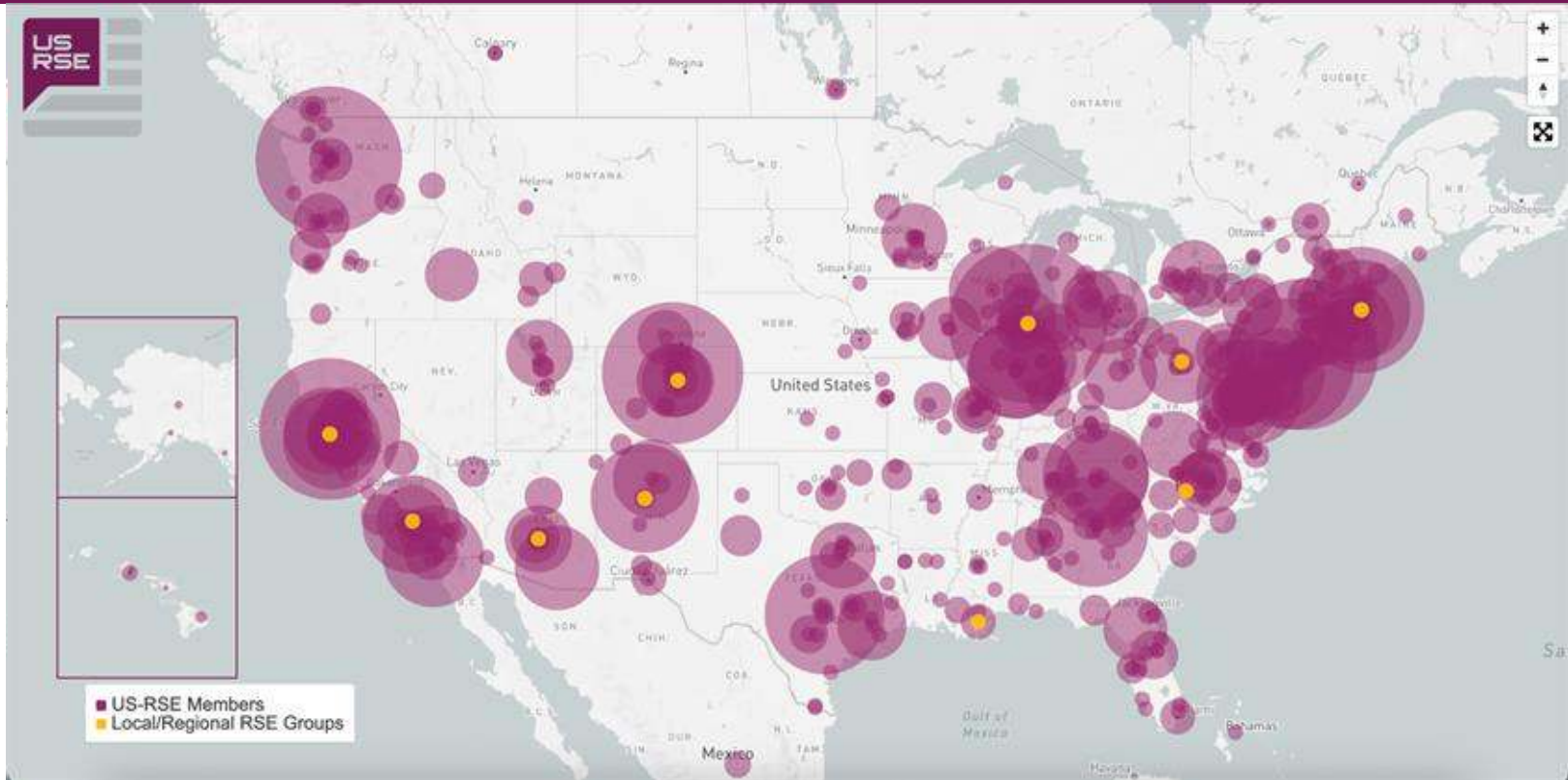
@us_rse@fosstodon.org



[@us-rse.bsky.social](https://bsky.social/@us-rse)



US-RSE: Members



The 2026 US-RSE Steering Committee

Keith Beattie

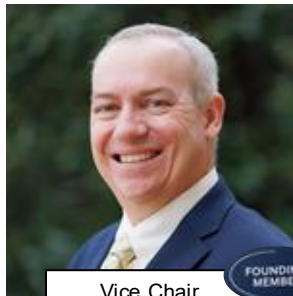
Lawrence Berkeley
National Laboratory



Co-Secretary
& Int'l Council Rep

Jeffrey Carver

University of Alabama



Vice Chair

FOUNDING
MEMBER

Cordero Core

University of Washington



Outgoing Election
Co-Chair

Ian Cosden

Princeton University



Chair
& Int'l Council Rep

FOUNDING
MEMBER

Julia Damerow

Arizona State University



Treasurer

Alex Koufos

Stanford University



Co-Secretary

Miranda Mundt

Sandia National
Laboratories



Outgoing Election
Co-Chair

Abbey Roelofs

University of Michigan



Deputy Treasurer

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[@us-rse.bsky.social](https://us-rse.bsky.social)



USRSE'25: Overview

- 300+ participants, 3 days
- 2 Keynotes
- 4 parallel tracks
 - 31 Talks
 - 13 Papers
 - 8 Workshops
 - 7 Birds of a Feather (BoF) sessions
 - 3 Notebooks
 - 50 Posters in evening session
- Student program
- Rapid Access Microtalks
- Conference dinner at the Moshulu





USRSE'26

Advancing Science in the Age of AI

Explore how Research Software Engineers (RSEs) and collaborators increase research impact during these rapidly changing times



JOIN US OCTOBER 19 - 21 FOR:

- Inspirational Keynotes
- Interactive Workshops
- Networking Opportunities, including a Job Fair
- Talks focused on development of research software, best practices and software sustainability, RSE and AI co-development, and more!



Questions, Comments? Suggestions?

- What do you hope to see US-RSE accomplish?
- Slack: Steering Committee (@sc)
- Email: contact@us-rse.org



Thank you!

