BOF Days

February 10 - 12, 2026

https://cass.community

The Consortium for the Advancement of Scientific Software (CASS)

https://cass.community/news/2026-02-10-cass-bof-days.html
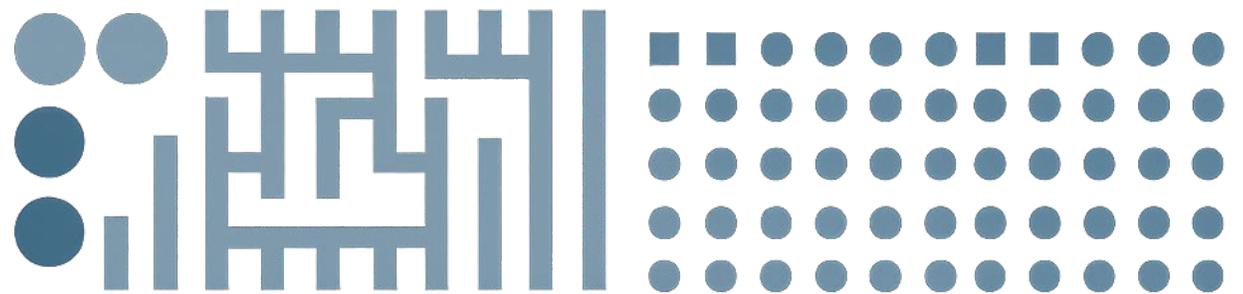
CASS: Stewardship and Advancement of the Scientific Software Ecosystem

- **Inward-facing activities:** Strengthening software products
  - Improve development practices, sustainability, quality, and trustworthiness
  - Enhance user experience and integration within the broader ecosystem
- **Outward-facing activities:** Community engagement and discovery
  - Curate and evolve the software portfolio
  - Help teams connect with and grow their user communities
  - Enable the broader community to discover and adopt useful software

CASS Members

Feb 10: LEADS AI Institute joins CASS

CORSA
Partnering with foundations to provide sustainable pathways for scientific software

FASTMATH
Stewardship, advancement, and integration for math and ML/AI packages

PESO
Stewarding, evolving and integrating a cohesive ecosystem for DOE software

RAPIDS
Stewardship, advancement, and integration for data, visualization and ML/AI packages

S4PST
Stewardship, advancement and engagement for programming systems

STEP
Stewardship, advancement of software tools for understanding performance and behavior

Sponsored by the Department of Energy, Office of Advanced Scientific Computing Research

Engage with CASS!

- Learn about CASS:
  - https://cass.community/about/
- Join the CASS Announcement list (low-volume):
  - http://eepurl.com/iRiSnY

- Find out more about our **software products**
  - Catalog: https://cass.community/software/
  - Collected as part of the Extreme-Scale Scientific Software Stack (E4S)

- Participate in **CASS Working Groups**
  - Impact Framework, Integration, Metrics, Software Ecosystem, User-Developer Experience, Workforce
  - https://cass.community/working-groups/

CASS BOF
Kokkos Quo Vadis
(where are you going?)

Themes:

- HPSF/Community

- Technical

- Kokkos and AI

How This BOF Will Work

- The Kokkos Leadership Team
  - Christian Trott (Sandia National Laboratories)
  - Damien Lebrun-Grandie (Oak Ridge National Laboratory)
  - Luc Berger-Vergiat (Sandia National Laboratories)
  - Julien Bigot (French Alternative Energies and Atomic Energy Commission)
- Moderator
  - Michael Heroux (ParaTools, Inc.)
- Process
  - Set of prompt questions in sequence
  - Panel discussion, audience follow-up
  - Ask questions, comment using Zoom chat or raise hand
  - Keep verbal comments to 30 – 60 seconds

HPSF/Community

- For those not familiar with HPSF can you tell us a bit about what it is and its goals?

- What did you as Kokkos wanted to get out of HPSF, and how is this working out?

- How has the way the Kokkos team works evolved over the last few years?

- Do you see tensions in divergent priorities across different stakeholders? If so, how do you manage those?

- What are the most significant benefits you see realized via the collaborative approach to developing and govern Kokkos?

- Any lessons for other projects that are trying to figure out how to grow their community?

Technical

- Kokkos 5.0 has come out recently, how does this release change developing with Kokkos?

- What is your philosophy behind release scheduling, it seems the cadence has been very regular over the last couple years?

- There have been a couple new subprojects (Kokkos-FFT, Kokkos-Comm) added to the Kokkos ecosystem. What is your strategy regarding new efforts, what qualifies, what is the scope of the EcoSystem?

- What are big themes for the 5.x cycle? I haven't seen any fixed roadmap, why not?

- How do you set priorities and where do you get future requirements from?

- What are the biggest challenges you see for the Kokkos team and Kokkos users in the next 5 years?

Kokkos and AI

- If we all code with AI in the future what role does Kokkos play, why is it still relevant?

- Any experience with AI coding with and for Kokkos?