Foundations Forum

CASS BOF Days
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Announcing CASS
The Consortium for the Advancement of Scientific Software

CASS Basics

- **A newly-formed organization**
- **Sponsored by DOE Office of Advanced Scientific Computing Research (ASCR)**
- Established by DOE Software Stewardship Organizations (SSOs)

CASS Goals

- Forum for SSO collaboration and coordination
- Bigger than the sum of its parts
- **Vehicle for advancing the scientific software ecosystem**

CASS Status

- Defining governance structure
- Establishing community awareness
- Building a team of teams
- **Collaborating on outreach**

Software Stewardship Organization (SSO) Basics

- Each SSO represents a specific software ecosystem concern
- **Product SSOs:** Programming systems, performance tools, math packages, data/viz packages
- **Portfolio SSO:** Curating & delivering software stack to the community
- **Community SSOs:** Workforce, partnerships

Engage with CASS

- Participate in June 11-13 CASS Community BOF Days: https://cass.community/bofs
- **Visit https://cass.community**

8 Software Stewardship Organizations (SSOs)
DOE Office of Advanced Scientific Computing Research (ASCR) Post-ECP Projects

COLABS
Training, workforce development, and building the RSE community

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
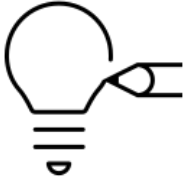Stewardship, advancement, and integration for data and viz packages

S4PST
Stewardship, advancement and engagement for programming systems

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

SWAS
Stewardship and project support for scientific workflow software and its community

CORSA Vision and Goals

To become a community of practice that creates pathways for open-source scientific software projects to avail themselves of resources for long-term growth, stewardship, advancement, and innovation.

Create pathways to open source software foundations

Empower communities with software sustainability metrics

Facilitate cross-cutting activities to address the needs of unique and diverse communities

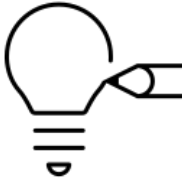Provide objective guidance to software communities

CORSA: Foundation Pathways

- **Communicate the benefits** of joining a foundation to projects.
- **Streamline the process of joining a foundation** in collaboration with foundations.
- **Work with projects to understand foundations' lifecycle processes** and with foundations to understand project lifecycles.
- **Act as liaisons with foundations**, representing the voices of OSS and their communities.
- **Facilitate funding arrangements** between foundations and national laboratories.

FOUNDATIONS FORUM

- Why did you come to this BOF?
- What burning questions do you have?
- What are your needs?
- Do you have best practices to share with others?
- What foundations are you aware of, that we should be looking into?

NumFOCUS

HPSF

Foundation Pathways: Forum

- Communicate key factors that enable successful transition to foundations
- Share trends and evolving needs in ecosystems, communities, and industries.
- Identify various support models for software projects within foundations.
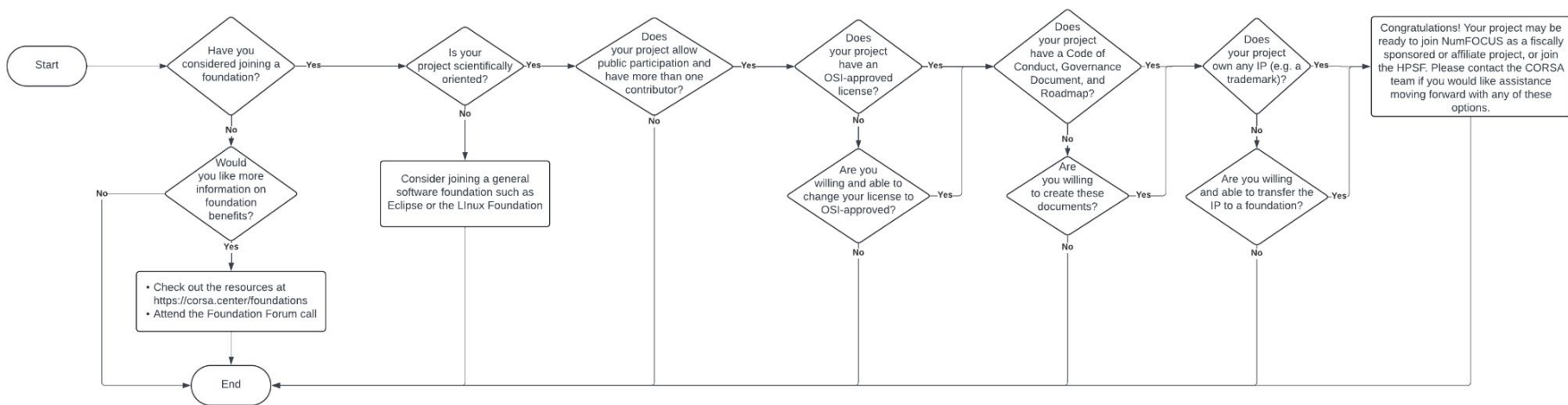- Tailor support models (pathways) to different contexts and project types.

What is the Foundations Forum?

- Opportunity for people to get together to help each other and we can help them
- Not always formal presentations
- What issues are you facing? Governance, community?
- What would make this more valuable in the future?
- What would you like?

Getting started roadmap

Please join our mailing list!

Please consider subscribing to our mailing list if you would like to be notified of upcoming events and to become a part of a community striving to create a sustainable scientific software ecosystem.

https://corsa.center

Thank you!