

Reviewer Training Webinar



NSF's Pathways to Enable
Open-Source Ecosystems

Why is this training necessary?

- **POSE proposals are not research proposals!**
- Provide context for your reviews



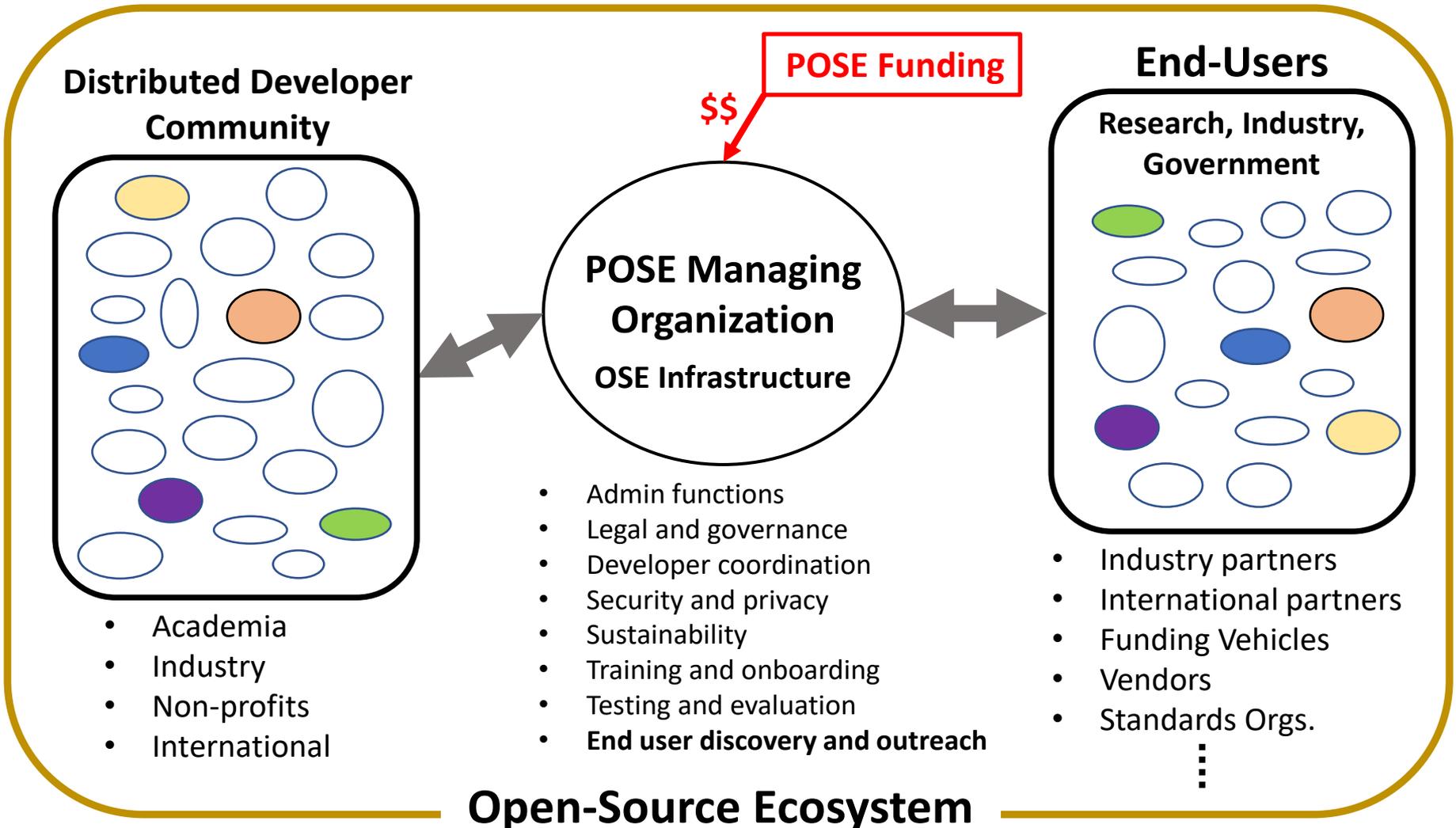
POSE Vision

To harness the power of distributed open-source development as an engine of innovation to address challenges of national and societal importance

Note: POSE is not limited to software-based OS



What is POSE Funding For?



Distributed Development

- A critical element of a POSE OSE is leveraging ongoing distributed development of the OS product
- Creates an evolutionary process that leads to new use cases
- The ecosystem “finds” the most impactful applications for the OS product
- POSE: Expect developers to be making an intellectual contribution



Two types of POSE awards

- Phase I – OSE Scoping Awards
- Phase II – OSE Development Awards
- A Phase I award is not a prerequisite for Phase II
- You will be reviewing Phase II proposals

POSE Phase II Project

- OSE Establishment and Expansion – proposal should address:
 - ecosystem establishment and growth strategy
 - organizational, coordination and governance model
 - continuous development model
 - community development – content contributors and users
 - sustainability goals
- Based on a robust open-source product:
 - publicly accessible preferably via an open-source license
 - already has external third-party users and content contributors
- Product should show promise both in the ability to meet an emergent societal or national need and to build a community to help develop it



POSE Phase II Project

- 15-page project description (excluding Letters of Collaboration and the Data Management Plan)
- Up to \$1.5M
- Up to 24-month duration



Review Criteria

1. Intellectual Merit: *The Intellectual Merit criterion encompasses the potential to advance knowledge; and*
2. Broader Impacts: *The Broader Impacts criterion encompasses the potential to benefit society and contribute to the achievement of specific, desired societal outcomes.*
3. Solicitation Specific Review Criteria
 - For POSE, emphasize Broader Impacts and Solicitation Specific Review Criteria
 - POSE proposals are not research proposals!

POSE Phase II Review

Review Elements

- ✓ Intellectual Merit Section
- ✓ Broader Impact Section
- ✓ Additional Solicitation Specific Criteria Section
- ✓ Summary Section
- ✓ Rating

- **Please do not include a funding recommendation, or comments about funding or not funding a proposal, in your review.**
- **You must submit your reviews by the deadline**

Review Criteria

POSE proposals are not research proposals!

➤ Intellectual Merit:

- Evaluate the novelty and applicability of the open-source product within the current technological landscape in the application space.
- Does the proposal provide convincing evidence that a substantial potential user base exists?
- Are there clear plans for
 - a) discovering the ecosystem within which the OSE will operate?
 - b) establishment of a sustainable organizational structure?
 - c) building and retaining a community of contributors?
- Is a clear licensing plan articulated?
- Is creation of a build and test infrastructure clearly described, with procedures to address quality control, security and privacy?
- Does the team have the required expertise, experience and resources?
- Is the budget appropriate for the proposed activities?



Review Criteria

➤ **Broader Impact Section**

- Is the OSE addressing an issue of significant societal or national importance that is not currently being addressed?
- Is the OSE the best approach for generating impact?
- Does the proposal present clear plans for ecosystem discovery and growth?
- Is there a long-term vision for the OSE, including potential partnerships and sustainability goals?
- Does the proposal present a clear and actionable evaluation plan to measure the success of the OSE with respect to its sustainability goals?

➤ **Additional Solicitation Specific Criteria Section**

- Will NSF support serve as a critical catalyst for the establishment and expansion of the OSE?
- Are third-party letters of collaboration convincing?

➤ **Summary section**

- Please provide a clear justification that is consistent with your rating

Security

- Data Management Plan should discuss security – in the context of the OSE
- Team should consider vulnerabilities and worst-case scenarios
- Depending on the nature of the OSE, considerations might include
 - secure and ethical use of sensitive data (privacy, protection of human subjects, etc.)
 - secure software development methodologies
 - policies for patching known security vulnerabilities
 - chain of custody
 - etc.

Individual Review Ratings

Ratings

- **Excellent:** Outstanding proposal in all respects; deserves highest priority for support.
- **Very Good:** High quality proposal in nearly all respects; should be supported if at all possible.
- **Good:** A quality proposal, worthy of support.
- **Fair:** Proposal lacking in one or more critical aspects; key issues need to be addressed.
- **Poor:** Proposal has serious deficiencies.

Conflicts and Confidentiality

Before the panel please be sure to sign and email your COI form to Kathy Park

<kpark@associates.nsf.gov>



Types of Conflicts of Interest

INSTITUTIONAL

- *Current/previous employment (12 mo) or seeking employment*
- *Award, honorarium, travel paid (12 mo)*
- *Officer or governing board*
- *Any financial interest*

PERSONAL

- *Co-author of paper or project collaborator (48 mo)*
- *Co-edited journal/proceedings (24 mo)*
- *Thesis advisor or student (lifetime)*
- *Family member or close friend*

- Your Significant Other's COIs are your COIs
- You **cannot review** any proposal with which you are conflicted
- Please discuss any **actual or perceived COIs with the PO(s)**

Conflicts of Interest

1. Any involvement (PI, co-PI or senior personnel) in a submission to the POSE Phase II competition => can NOT serve as a POSE reviewer
2. A conflict with an institution, even if it is listed as a subawardee in a proposal => can NOT review that proposal
3. A conflict with institution (family member's employment, paid honorarium, advisory board, etc.) => can NOT review that proposal
4. A conflict with an individual (co-author on paper, project collaborator, advisor/student, family, close friend) => can NOT review that proposal
5. Other conflicts (cannot be impartial wrt the PI, institution, line of research, etc) => can NOT review that proposal

During the panel: you will be required to leave the meeting when proposals you are conflicted with are discussed

Confidentiality

- Participation in panels is confidential
 - Can say you served in NSF Review Panel 2022
 - Avoid details like program, dates, panel name, etc.
- Proposals contain sensitive information and are not in the public domain
 - Do not copy, distribute, or quote from proposals
 - Do not discuss content of proposals outside the meeting
 - Do not share the proposal with anyone else (no sub-reviewers allowed)
 - Delete all electronic copies, and destroy paper copies after the meeting



Working in the Fastlane System

www.fastlane.nsf.gov

The screenshot shows the 'Panelist Functions' page in the Fastlane System. The navigation bar includes: and Status | Proposal Review | Panelist Functions | Research Administration | Financial Functions. Below the navigation bar are links for: Awards | Graduate Research Fellowship Program | Postdoctoral Fellowships and Other Programs.

Panelist Functions

Log in for the following permission based functions:

Alert: Computer Scanning Policy - Important Information for NSF Visitors and Panelists.

- ▶ Panel Review
- ▶ Interactive Panel System
- ▶ Panelist Travel System
- ▶ Panelist Banking System
- ▶ Panelist Personal Information

Notice: After you log in, check your Reviewer Information and verify that the e-mail address shown is correct. If you forget your password, we will send your re-set password to this e-mail address. Access to the **Interactive Panel System** requires that JavaScript be enabled on your browser.

Log In

If you are using a screen reader please check this box to disable the automatic refresh function:

Panel ID:

Panelist Last Name:
(Admin. Users: Use your ITAS User ID)

Password:
(Admin. Users: Use your ITAS Password)

[Forgot Password?](#)

Submit Reviews



Access other Reviews, enter Panel Summary



Panel Registration



Sent via Email



Before the Panel

- Register for the panel as soon as possible
 - Provide bank information for reimbursement
- Review and sign Conflict of Interest form
 - Please let your program officer know about any conflicts
- Read assigned proposals & submit reviews in Fastlane
 - **Make sure the reviews are submitted before the deadline**
 - Use the review template
 - Please make the reviews as constructive as possible

At the Panel

- Attend the panel virtually on the specified day(s)
 - All reviews should be available for your review through the interactive panel system in Fastlane
 - Zoom details will be sent close to the panel date
- Discussion of proposals
 - One panelist designated as **lead** and will lead the discussion
 - One panelist designated as **scribe** and will write the panel summary according to the template which will be provided
 - All reviewers will be invited to present their opinions
- Panel rating
 - Put each proposal in one of these categories: **Highly Competitive**, **Competitive**, or **Not Competitive**
 - More details provided at the panel

Thank you!

Questions?





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