

PESO Planning Input

The project PESO (Toward a Post-ECP Software Sustainability Organization, <https://lssw.io/PESO>) is collecting input from the broad community of stakeholders to help determine requirements for post-ECP software sustainment.

The intent of the PESO project is to optimize the sustainability and impact of DOE-sponsored software used in large-scale scientific computing. PESO intends to provide crosscutting and aggregate activities that help teams be effective and efficient in their efforts to produce high-quality and sustainable software.

Our purpose for requesting this input is to collect ideas on how we can best formulate PESO's approach for sustaining software teams. Thank you for your time in providing your thoughts to us.

* Indicates required question

1. What is your connection to the US DOE scientific community?

Question Bundle Selection

2. Questions are bundled by role. Select a bundle to address. You may select additional bundles, one at a time.
- *

Mark only one oval.

- ☐ Library and Tool Developer Skip to question 3
- ☐ Application Developer Skip to question 11
- ☐ Facilities Staff Skip to question 14
- ☐ Commercial Vendor Skip to question 17
- ☐ Final Comments and Submit Input Skip to question 22

Skip to question 3

Library and Tool Developer Input

3. What factors do you think should be considered when selecting and assessing a software product as part of a software sustainability organization portfolio?

4. What are the top 3 things that your software project should do to improve its sustainability that a software sustainability organization could provide support for in some way?

5. What activities are you undertaking to grow the contributor base for your tool, and how could a sustainability organization help?

6. How many users does your package have, and how could a sustainability organization help?

7. How does the user base for your package grow over time, and how could a sustainability organization help?

8. What kind of outreach activities are you doing to grow your user base, and how could a sustainability organization help?

9. What level of annual funding is needed for incremental development, delivery, and user support of your product?

10. Do you want to provide input for additional question bundles?

Mark only one oval.

☐ Yes *Skip to question 2*

☐ No *Skip to question 22*

Application Developer Input

11. What are the critical factors that determine whether you will use an open source library or tool?

12. What are the most common impediments to you using more open source libraries and tools?

13. Do you want to provide input for additional question bundles?

Mark only one oval.

☐ Yes *Skip to question 2*

☐ No *Skip to question 22*

Facilities Input

14. What factors do you think should be considered when selecting and assessing a software product as part of a software sustainability organization portfolio?

15. How can your facility staff contribute to a software sustainment effort?

16. Do you want to provide input for additional question bundles?

Mark only one oval.

☐ Yes *Skip to question 2*

☐ No *Skip to question 22*

Commercial Software and Hardware Vendor Input

17. Which kinds of libraries and tools in the DOE software stack have the greatest potential for broader adoption and use by your customers?

18. What barriers to adoption might be addressed, at least in part, by a software sustainability effort?

19. What are ways that you can contribute to the ongoing sustainment of these DOE software packages?

20. How can you help to broaden the contributor base for DOE software packages?

21. Do you want to provide input for additional question bundles?

Mark only one oval.

☐ Yes *Skip to question 2*

☐ No *Skip to question 22*

Skip to question 22

Final Comments

22. What are the top things a software sustainability organization should (or should not) do to be a successful steward of DOE software?

23. Please provide any additional comments. You may also provide your name and email address if you want the PESO team to follow up with you. Thank you.

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