ASCR Software Sustainability: FY23 Opportunities

- ASCR-supported software technologies are critical to DOE scientific software on *all* platforms.
- In the CHIPS and Science Act, congress explicitly added *Exascale Ecosystem Sustainment* to ASCR's portfolio balance, "**It is the sense of Congress that** the Exascale Computing Project has successfully created a broad ecosystem that provides shared software packages, novel evaluation systems, and applications relevant to the science and engineering requirements of the Department, and that **such products must be maintained and improved in order that the full potential of the deployed systems can be continuously realized**."
- ASCR expects to convene a review panel in January 2023 for sustainability applications submitted through the "open call."
- Applications for sustainability collaborations should **articulate a long-term vision for sustaining a substantial part of the ecosystem** of software for scientific and high-performance computing, and should describe **how their efforts might be rapidly scaled up in the future**.
- Applicants should think creatively about how to meet the long-term needs of the software ecosystem, including stakeholders who may need paid commercial support, and about potential partners, including national laboratories, academic institutions, nonprofit organizations, and businesses of all sizes.
- For more information on community needs, please see results from ASCR's Software-Stewardship RFI (https://science.osti.gov/-/media/ascr/ascac/pdf/meetings/202203/ASCAC_202203_Finkel-RFI-Codesign-PDES.pdf).
- For more information, please contact Hal Finkel, William Spotz, and Robinson Pino.

(*) Subject to congressional appropriations.

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