XAB Meeting Agenda

• Review & award status update
• Project Improvement Fund Process
• NSCI & XSEDE’s Role
• XAB expectations
Review & Award Update

John Towns & Rudi Eigenmann

XSEDE
Extreme Science and Engineering Discovery Environment
XSEDE Project Improvement Fund Process

Ron Payne
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XSEDE Project Improvement Funds

• Project Improvement Funds (PIF) are allocated for significant enhancements to XSEDE service offerings, CI resources, and/or operations that are expected to make a significant positive impact on the community’s abilities or internal effectiveness and efficiency

• Fixed amount will be allocated annually from PY6 – PY9
  – PY6 PIF allocated to website redesign

• Phase Gate with a weighted evaluation process will be used

• Phase Review Board to use blind Delphi technique
  – Membership representation from XSEDE Program Office, PIs, L2 Directors, Service Provider Forum, & User Advisory Committee
PHASE 0: Idea generation

PHASE 1: Proposals reviewed by PRB

PHASE 2: High-Level planning

PHASE 3: Gather requirements & define design of improvement

PHASE 4: Execution of the improvement plan

PHASE 5: Monitor post-improvement period to measure impact
<table>
<thead>
<tr>
<th>Phase 1 Proposal</th>
<th>Phase 2 Planning</th>
<th>Phase 3 Requirements &amp; Design</th>
<th>Phase 4 Execute</th>
<th>Phase 5 Monitor</th>
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<tr>
<td>Idea Proposal submitted for review</td>
<td>High-level plan submitted with approach for project improvement</td>
<td>Requirements &amp; design of project improvement submitted with detailed project plan</td>
<td>Improvement plan executed followed by an Improvement Execution Summary (IES) for review</td>
<td>Monitor improvements to determine if projected benefits are realized, followed by a closeout report</td>
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Phase Review Board (PRB) will review and evaluate project team deliverables at the end of each phase to assess benefits, costs, impacts and risks. At the end of each assessment, a Go/No-Go decision will be made regarding the approval to proceed with improvement.

PRB reviews IES and identifies areas to be included in the monitoring phase.

PRB reviews close-out report and closes project.
PIFP Weighted Assessment

• Proposal assessment points:
  – Impact on users
  – Impact on staff
  – Impact on service providers
  – Requested funding amount

• Weighting

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<tr>
<td></td>
<td>Very Negative</td>
<td>Negative</td>
<td>Neither Positive nor Negative</td>
<td>Positive</td>
<td>Very Positive</td>
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Very Negative  | Negative       | Neither Positive nor Negative | Positive       | Very Positive  |

XAB Feedback Requests

• Balancing: process vs. analysis and execution
• Input on weighted assessment & assessment points
• Balancing: PRB membership inclusion vs. decision making
NSCI & XSEDE’s Role

John Towns

XSEDE
Extreme Science and Engineering
Discovery Environment
NCSI & XSEDE’s Role

• The NSCI seeks to accomplish five strategic objectives in a government collaboration with industry and academia:
  – 1. accelerate the successful deployment and application of capable exascale computing;
  – 2. ensure that new technologies support coherence in data analytics as well as assimilation and modeling;
  – 3. explore and accelerate new paths for future computing architectures and technologies, including digital computing and alternative computing paradigms;
  – 4. holistically expand capabilities and capacity of a robust and enduring HPC ecosystem; and
  – 5. establish an enduring public-private collaboration to ensure shared benefit across government, academia, and industry.

• References:
XAB Expectations

• Purpose: “to help ensure that XSEDE is designed to impact a broad range of disciplines, enable both research and education, have broader impacts to society, and have a user community that is diverse (gender, ethnic background, etc.) and includes representation from all types of colleges and universities”

• XAB meets six time annually
  – In-person meeting in Apr.
  – Five remote meetings (Feb., Jun., Aug., Oct., & Dec.)

• XAB documentation is located on the XSEDE wiki:
  https://confluence.xsede.org/pages/viewpage.action?pageId=1671267
XAB Expectations (continued)

• **Membership:**
  – 5 scientific leaders from different communities who use XSEDE
  – Chair of the UAC
  – 3 SPF representatives
  – 5 senior members of the broader community
  – Members serve two-year staggered terms
  – XAB Chairperson needed ASAP

• **Attendance:**
  – Members are required to attend at least 4 of the annual meetings
  – In-person meeting in April is strongly encouraged
  – If a member is unable to fulfill his or her responsibilities, they will be asked to step down from the board before their two-year term is complete.
Meeting Closure

Next XAB Meeting: 5-Oct. Remote

Meeting Minutes:
https://confluence.xsede.org/display/XT/2016-08-17+Meeting+notes