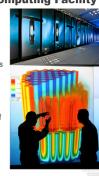
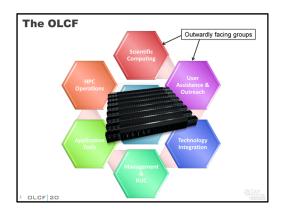


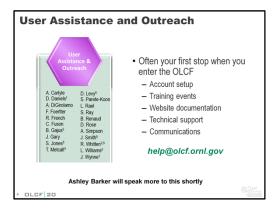
Oak Ridge Leadership Computing Facility Mission

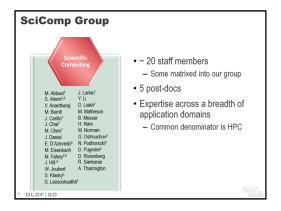
The OLCF is a DOE Office of Science National User Facility whose mission is to enable breakthrough science by:

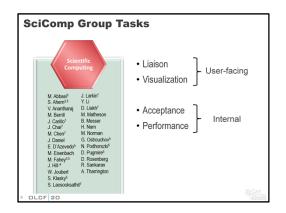
- Fielding the most powerful capability computers for scientific research,
- Building the required infrastructure to facilitate user access to these computers,
- Selecting a few time-sensitive problems of national importance that can take advantage of these systems,
- And partnering with these teams to deliver breakthrough science.











Inwardly-Focused Tasks

- Acceptance Task
- Ensuring that new machines satisfy requirements
 Team across OLCF groups, including ~5 SciCompers
 Very intensive testing schedule during acceptance period
- Performance Task
- Understanding how to use the machine and how the machine is used
- Improve performance of code
- Study usage of machine
 Inform next-generation architectures

Outwardly-Focused Tasks

- Liaison Task
- Furthering scientific accomplishments
 Collaborate with users to make codes run more efficiently, and produce more science
- Advocate for users on center policies
- Visualization Task
 - Enabling scientific discovery through visualization
 - Creating tools for visualization
 - Developing visualizations in collaboration with users

About Liaisons

- PhD-level scientists with expertise in computation
- Astrophysics, biology, chemistry, climate, computer science, engineering, materials science, mathematics, nuclear physics, plasma physics, etc.
- Experienced computational scientists with one thing in common
- Liaisons matched with INCITE projects based on science, mathematical, and algorithmic expertise
 - Can't always match for science first, e.g., I am not a chemist, but I am generally familiar with their math and algorithms
- Our motto: Whatever it takes!



Liaison Role

- Liaisons are collaborators whose unique expertise with leadership-level computers can enhance your experience and help you get more science done
- Levels of liaison support
- Level 1: User support +
- Level 2: Paratrooper fix a specific problem in your code,
 O(1 month)
- Level 3: Embedded member of code development team and science collaborator

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Opportunities for Engagement

- Typical liaison activities
- Collaborate scientifically
 Profile code performance, providing feedback to code team
- Code porting
 Implement solutions to problems experienced by application scientists
- Advocate for users regarding tools, libraries, etc.



