



Town Hall Meeting

NUG Meeting 2009
Boulder CO



Advanced User Support

NERSC has 400 projects and 9 consultants, by consequence, the service provided often has more breadth than depth

- **Consultants give advice to a broad range of users but often don't have as much time to do one-on-one collaborations**
 - **Do you feel like you are getting quality technical advice?**
 - **Would it be useful to have more in depth collaborations with NERSC for software development and code optimizations? (Would you be willing to give up other NERSC services for this?)**
 - **Have you found one-on-one collaborations at other centers useful?**



Translating Research Objectives into Computing Requirements

***NERSC often asks for your computing and storage requirements.
(memory, I/O, CPU hours)***

- **How easy is it for you to translate your science and research objectives into quantitative computational requirements?**
 - Which is the hardest for you to estimate?
 - What could NERSC do to help?
 - What doesn't NERSC understand?



Software Stress

Software maturity traditionally lags behind hardware. What software areas needs the most attention?

- **What software areas are your most challenging**
 - Parallel I/O (MPI-IO, HDF5)
 - Multicore (OpenMP, threads)
 - Tools - data analysis, visualization, debuggers
- **What could NERSC do to help?**
 - Workshops?
 - Tutorials and web documentation?
 - Collaborations with vendors? (Cray, IBM)



NERSC Allocations

Each computing center has a different allocation strategy.

- Do you understand how time is allocated at NERSC?
- How could NERSC simplify the application process?



Open Forum

What else do you want to share with us?



Finally ...

As you listen to this next talk, think about what other types of computing and data models could be useful to you in the future

- **Cloud computing?**
- **Data center services?**