

Next Steps for Implementing the GeoCollaboratory

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Thank You



- NCAR is an integrator, innovator, and community builder and in this effort, to act as a catalyst
- The *organization* of projects and the *facilitation* of community-wide discussions are key components of our mission



Review of Workshop: Focus



Goal: To develop a compelling plan – supported by the geosciences research community – to implement the “Petascale collaboratory for the Geosciences” vision.

Community dialogue about.....

- Common needs for cyberinfrastructure, workforce development, community building, coordination and collaboration
- Developing the petascale scientific cyberinfrastructure to address unmet interdisciplinary and grand-challenge problems
- Positioning the geosciences community within the larger HPC landscape and integrating your community vision into a focused scientific research enterprise



Next steps for this effort: Workshop Outcomes



1. Community opportunity space for *petascale* science is evident and this workshop has discussed the implications
2. Needs are not only for PFlops but also for the broad elements of modern cyberinfrastructure, involving people, tools, services, and hardware built on a balance between high-performance capability and capacity - a geoscience enterprise.
3. There is strong evident support for a sustained GeoCollaboratory; robust infrastructure for transformative collaborative science in the Geosciences

Next steps for this effort: Workshop Outcomes



1. The NSF requested report from this workshop
 1. Produced by workshop program committee - mid-November
 2. Articulate the implementation design of the GeoCollaboratory

2. NSF/GEO call to action: fulfill the vision of the GeoCollaboratory
 1. A new GEO-wide community steering committee to fully develop the implementation plan
 2. Working groups to articulate components of the plan/report - **nominees and volunteers wanted**
 3. Identify and conduct pilot projects
 4. Clarify the relation of GEO efforts to OCI track strategy
 5. Annual "HPC" GeoCollaboratory meeting

3. NCAR is prepared to be a catalyst for these community led activities.

4. AGU Townhall, Dec. 11, 7:30pm, and other events coming