



**NREL**

**National Renewable Energy Laboratory**  
*Innovation for Our Energy Future*

# NREL 2010 DOE CGF Site Report

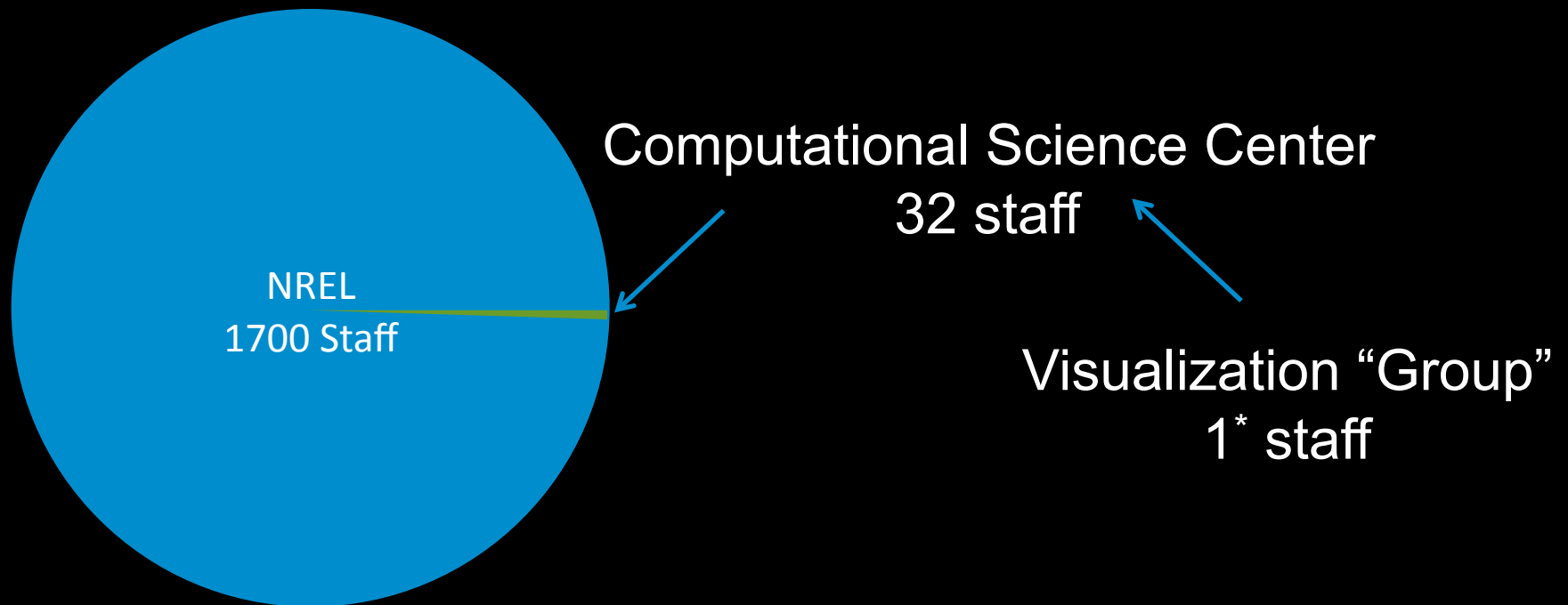


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**Computational Science Center**

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# NREL – Computational Science Center

Mission: to perform world-class computational science research and provide high performance computing capabilities, leadership, and expertise enabling advances in the leading edge of renewable energy and energy efficiency technologies.



# Recent Highlights

1.



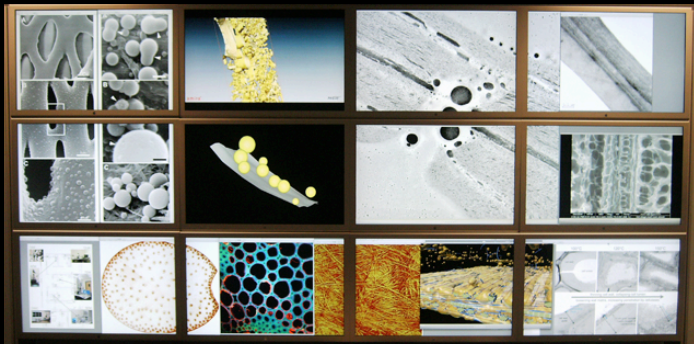
RedRock / RedMesa

16K Cores, 180 TFLOPS Peak

2. Significant Staffing Increase

Doubling the size of the center

3.



Multiple large (27MP) tiled display walls

# Future Plans

## Energy Systems Integration Facility (ESIF)



6-8 Additional hires

- Post Doctoral Researchers
- Senior Scientists
- HPC Group Manager