

**Anticipated  
Characteristics circa  
2007**

	Climate	Combustion	Genomics, Biology	Light Sources	Materials, Nano	Supernova, astrophysics	Accelerator Design	Fusion Experiment	Fusion Simulation
<b>Terascale datasets</b>	H	L	H	H	M	?	L	M	M
<b>Complex grid topology</b>	H	L	H	H	H	?	L	H	H
<b>Data fusion</b>	M	H	L	L	L	L	H	L	H
<b>Distributed data</b>	L	H	?	L	L	L	H	L	H
<b>Data management</b>	H	H	H	H	H	H	H	H	H
<b>Collaborative visualization</b>	L	H	?	H	M	?	H	M	H
<b>Remote visualization</b>	H	H	H	H	H	H	H	H	H
<b>Computational steering and monitoring</b>	M	N/A	?	M	H	?	H	M	L
<b>Multiscale science</b>	H	L	?	H	H	?	L	H	L
<b>Information Visualization*</b>	L	H	L	L	L	L	H	L	L

\* We expect information visualization to increasingly augment 3d field visualization in the future

**Subsurface,  
Seismic**

