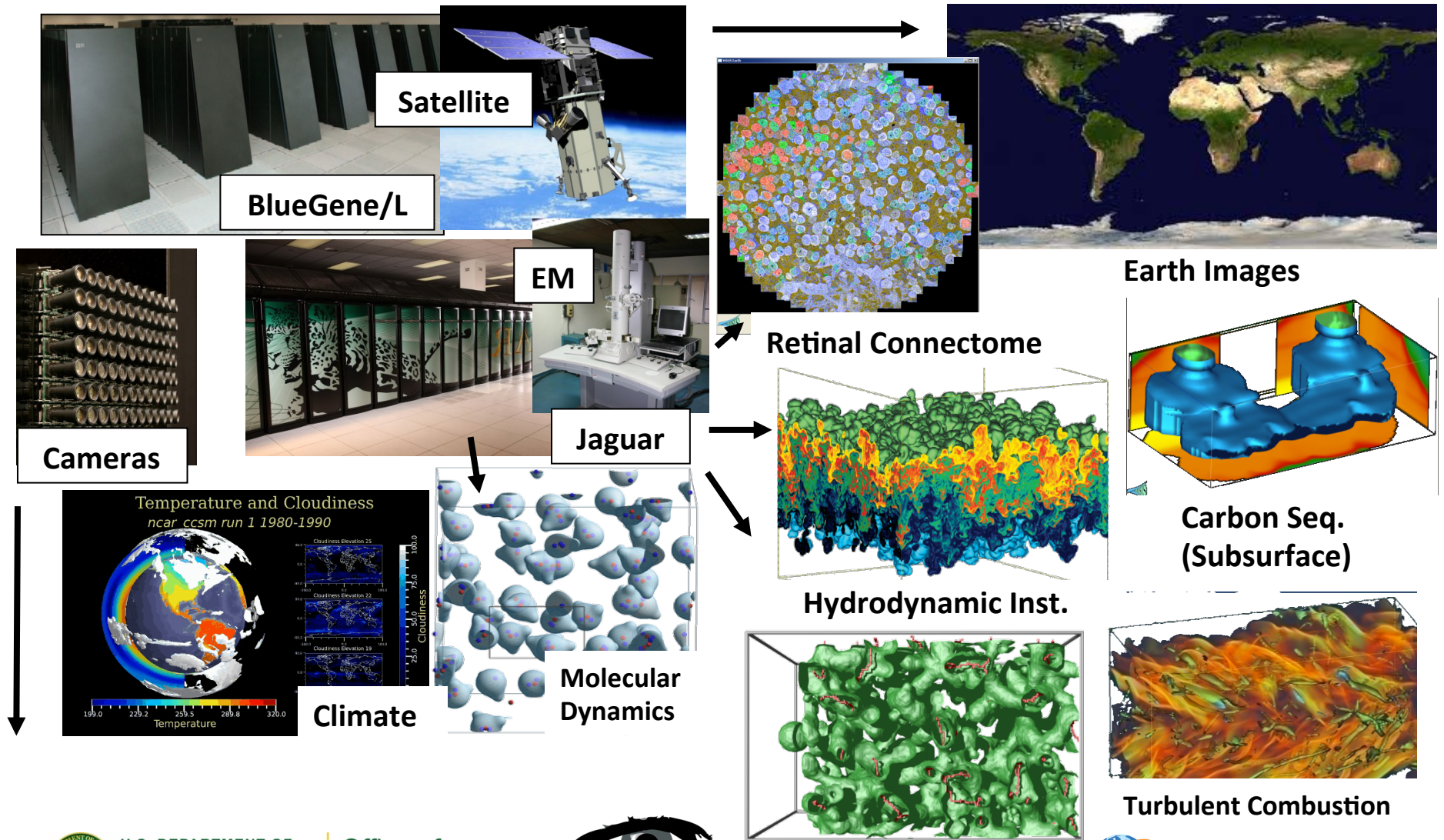

ViSUS

Visualization Streams for Ultimate Scalability



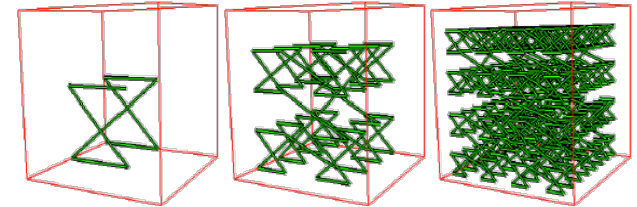
Massive Simulation and Sensing Devices Generate Great Challenges and Opportunities



ViSUS Provides: Efficient Data Management and Processing

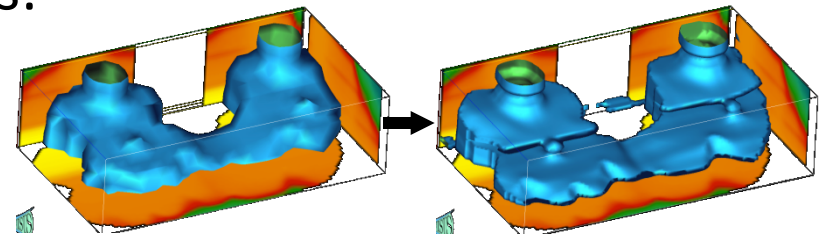
- Advanced data storage techniques:

- Data re-organization.
- Compression.



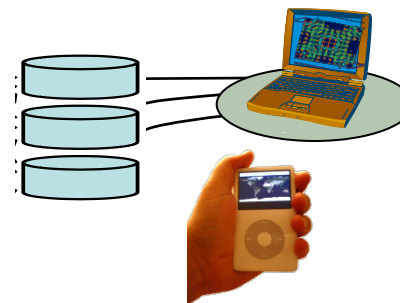
- Advanced algorithmic techniques:

- Streaming.
- Progressive multi-resolution.
- Out of core computations.



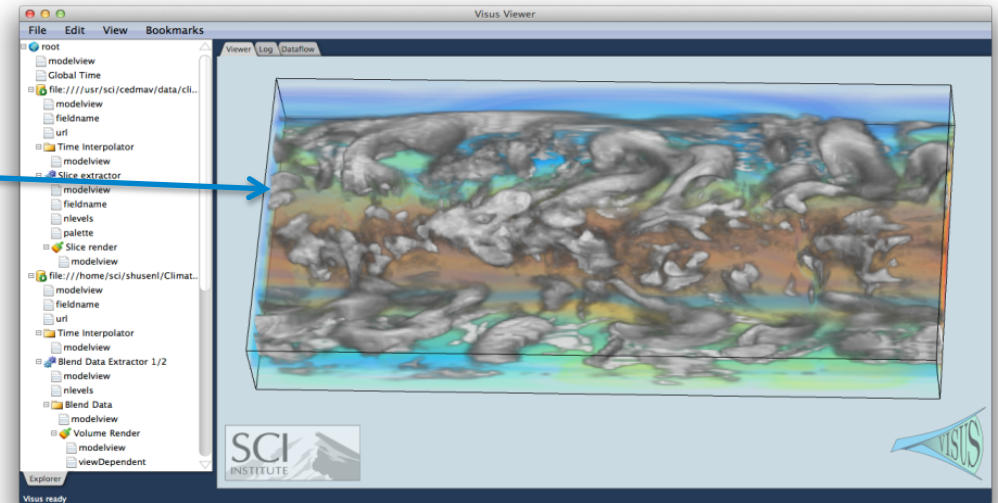
- Scalability across a wide range of running conditions:

- From laptop, to office desktop, to cluster of PC, to BG/L.
- Memory, to disk, to remote data access.



ViSUS Enables: Remote Climate Analysis and Visualization

- ViSUS data streams allow to merging multiple datasets in real time
- Time interpolation of and concurrent visualization of climate data ensembles defined on different time scales
- Server side and client side computation of statistical functions such as median, average, standard deviation,



Standard Deviation and Average of ten climate models

