

Highlights

- This presentation describes the evolution of the ATLAS computing model from static clouds to dynamic processing groups
- There are two new site concepts:
 - Nuclei sites are the Tier 1s and large Tier 2s, where tasks will be assigned and the output aggregated
 - Satellites are the sites that will execute the jobs and send the output to their nucleus
- Nuclei and satellite sites are dynamically paired by PanDA for each task based on the input data availability, capability matching, site load and network connectivity
- The new model has impact on an improved storage usage and more flexibility in resource usage, while avoiding network bottlenecks