ATLAS thoughts

Common development projects
Rationalization
Science Cloud
WLCG dev project for HPC

- HPC applications would benefit from joint WLCG project
  - to get allocation and backfill
- Common Areas
  - Gateway, SW access, backfill and preempt exploitation
WLCG dev project for Event Service

- Define interfaces for experiment prod/analy frameworks
  - handle single events
    - long running engine
    - preemption without loss.
  - Root i/o streams
  - Sub-event level – stream required branches
    - dynamic custom data format optimized for application
- Bookkeeping
  - de-pandafication
- Working with object stores
Kill the unkillable

• Does anyone need Cream?
  – ARC CE has more functionality
    • data handing needed, e.g. for HPC
  – CondorCE has more support
  – reduce to these 2
• WMS died a long and painful death
  – being funded and having good people does not make it necessary
  – kinder to take cream out back and shoot it
• Consolidation, reduced maintenance
  – BS interfaces, CondorG, expt. Clients?
• While we are at it
  – BDII, Torque, some Cloud flavours,
  – dcap, rlio, gridftp
Data centre per funding body

• Funding realities are well-known
  – leverage extra local money
  – prestige, empire building/protection
  – multiple funding bodies even in same country

• Nevertheless splitting money to multiple T2 makes no sense
  – reduce the hardware capacity
  – multiply the manpower requirement
  – increase complexity for experiments
  – prevents sharing between Vos
  – poorer availability/reliability

• We want the best of the best!
  – the most appropriate site hosts hardware
    • space, power, concept
    • friendliest people - they host a service(IAAS), glory is limited to that.
  – the best T2 admins will manage the data centre services
  – the best expt contacts will be contacts for the data centre
What will it take?

- Local money buys hardware elsewhere
  - you can have a sticker on it
  - have visiting rights
  - photo with the Dean.