The Players

- The LHC experiments
  - To a lesser, but important extent, the EGEE apps
- SA1: most importantly, CERN-external sites
- JRA1 in various locations

Boundary Conditions

- A finite amount of experienced manpower
- EGEE-1 ends March 2006
- LCG-2 must be present on production infrastructure until something is proven better
  - Doesn't exclude presence of e.g. gLite; doesn't mean gLite must be integrated; only that gLite must not break the LCG-2 installation
- No software can be deployed on large scale until a site-approved automatic install system works

Customers

- Many people believe they are the only customer of gLite
- Even within HEP this is wrong
- We have funding to do Grid via EGEE; like it or not this extends the # of customers
- EVERYBODY forgets that SITES are customers of gLite. If a piece of sw ignores site constraints, it will not be deployed
  - R-GMA removal from EDG when backdoor was discovered
  - Nordugrid (or ARC) not deployed due to protocol mucking
- Sites will
  - Support your jobs and data challenges (look at LCG-ROLLOUT)
  - Spend months of their time lobbying national funding agencies to buy machines to run your jobs, at very little cost to you
  - Have to clean up the mess when systems get hacked

Problem and Proposed Solution

HYPOTHESIS: Most of the heat is being generated since each of the PLAYERS listed above is being exposed to only a subset of the BOUNDARY CONDITIONS and therefore have a limited amount of sympathy for the other players.

SOLUTION: Expose all parties to all constraints.

POSSIBLE LOCATION FOR SOLUTION: the pre-production service: make this(and soon) the focal point of gLite activity.

PPS Current Status

- being installed now with LCG-2 core (see boundary condition 3)
- eight committed sites (compatible with ARDA wish for more sites)
- next-generation (Quattor) auto-install support will likely be used on at least one site, community support (SA1) is emerging; see boundary condition 4

What Needs to Change

- streamline path from developers to PPS to as low as possible; get stuff there AFAP!
  - for the moment, no distributed tests on JRA1 testbed; just give us RPMs.
  - developers could give us stuff as raw as they like; however the speed at which things will be deployed of course will depend on how bad things are.
  - Again must not break LCG-2 service
- ARDA project moves to PPS

Process to Desired End Result

- gLite development properly exposed to operational concerns and user concerns
- gLite users properly exposed to development concerns and operational concerns
- gLite resource providers properly exposed to (and able to influence) how system is deployed and used
- as deployment matures, more and more sites can be brought in
- at some point this becomes the production system with co-existing gLite and LCG-2
- LCG-2 is dropped when it can be.