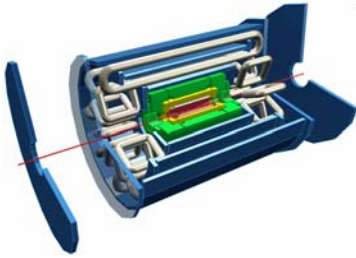


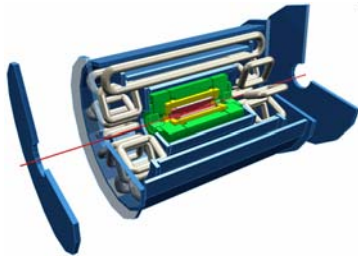
4th ARDA Workshop, March 2005



DIAL @ gLite

Dietrich Liko
IT/GD

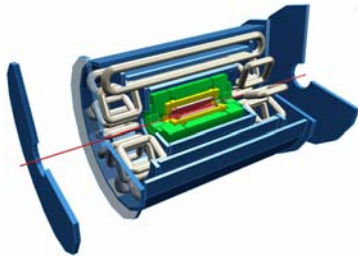




Overview

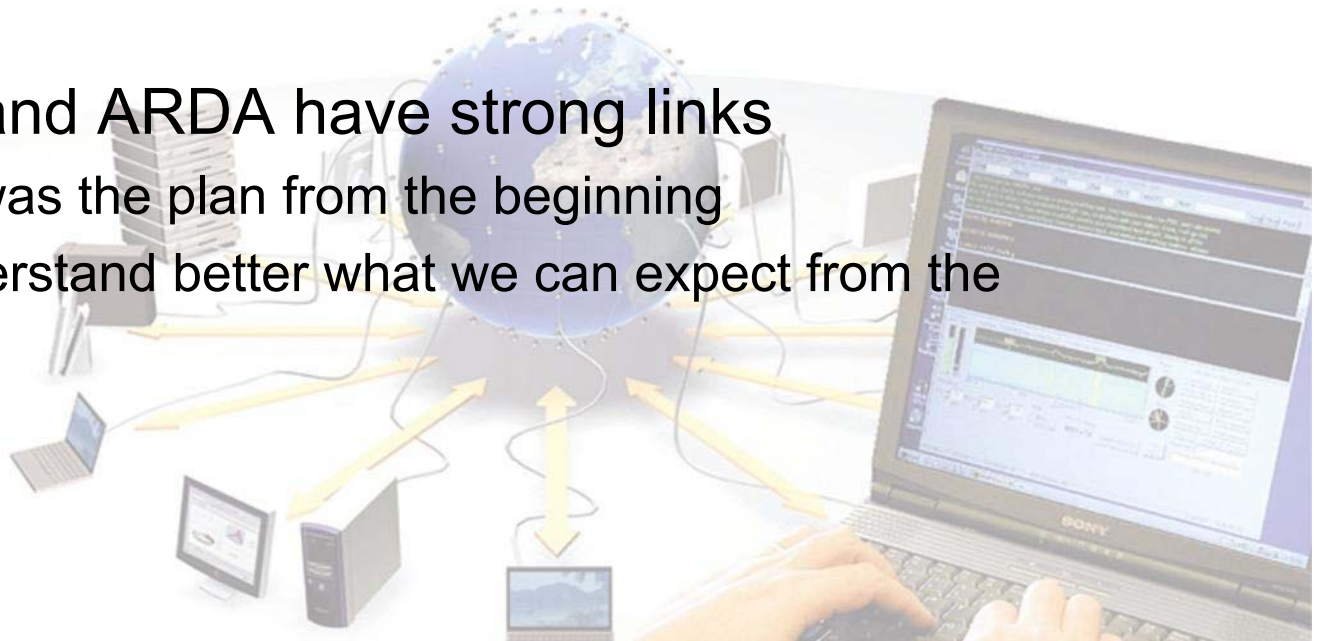
- Introduction
- WMS Options
- Data Management Options
- Package manager

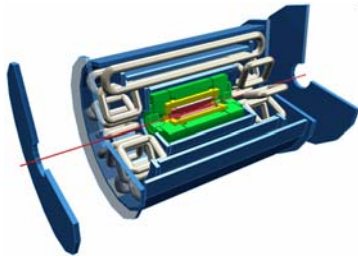




Introduction

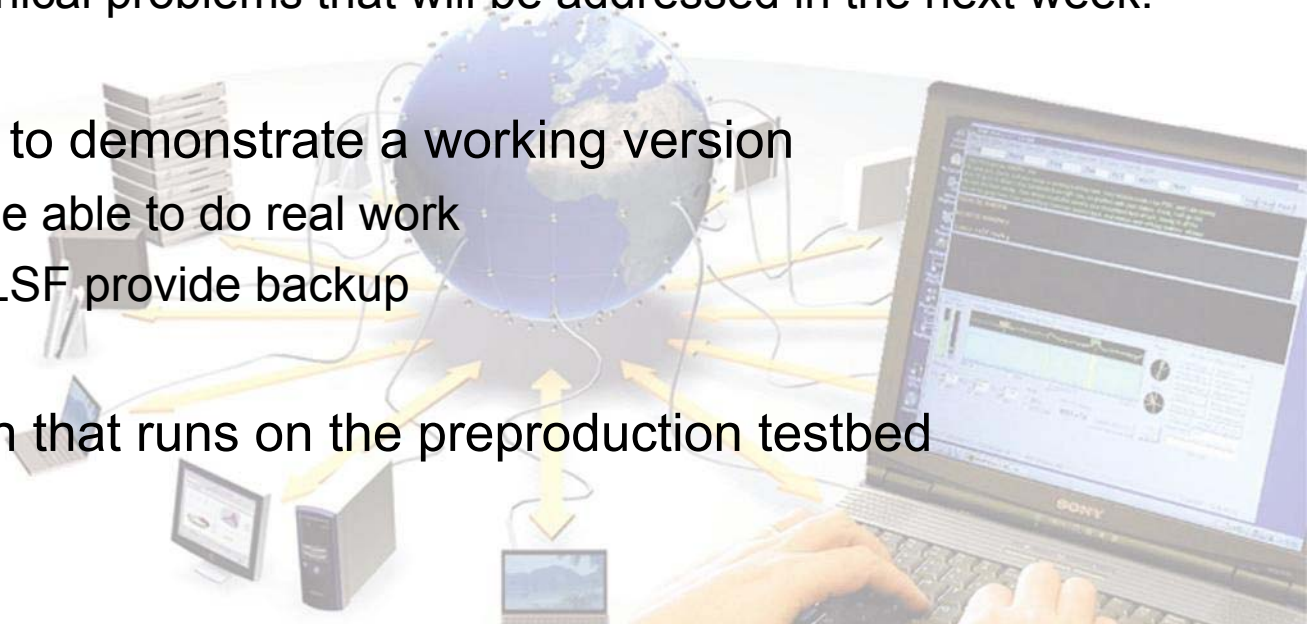
- DIAL is a high level service to support analysis
 - Job splitting
 - Supervision
 - Result merging
- ATLAS ADA and ARDA have strong links
 - Using gLite was the plan from the beginning
 - Now we understand better what we can expect from the middleware

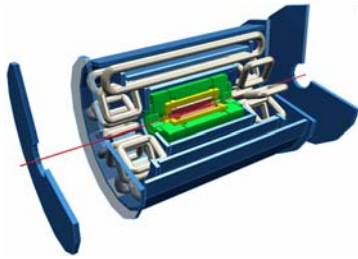




History

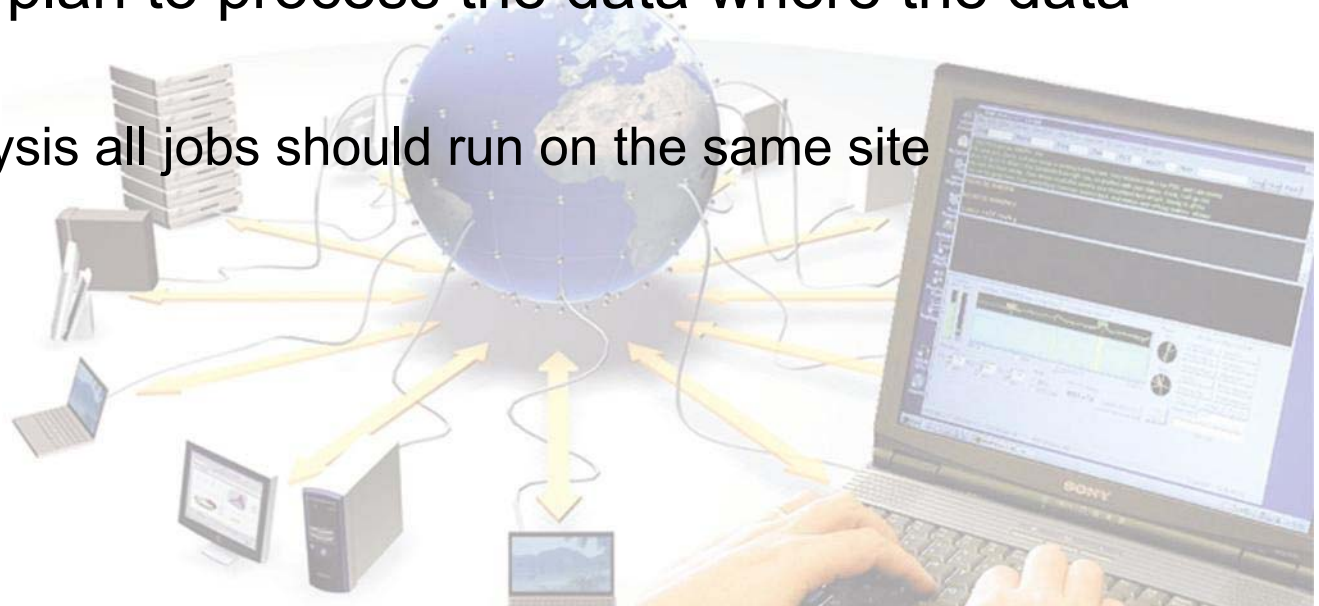
- First version using gLite/Alien last year
 - We can run some demos
- Now interfaced to gLite WMS
 - Still some technical problems that will be addressed in the next week.
- By April we have to demonstrate a working version
 - Users should be able to do real work
 - CERN & BNL LSF provide backup
 -
- Move to a version that runs on the preproduction testbed

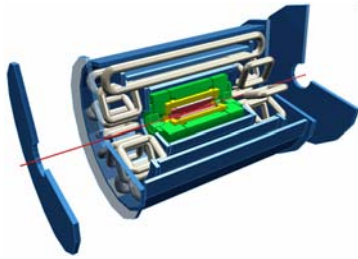




Concepts

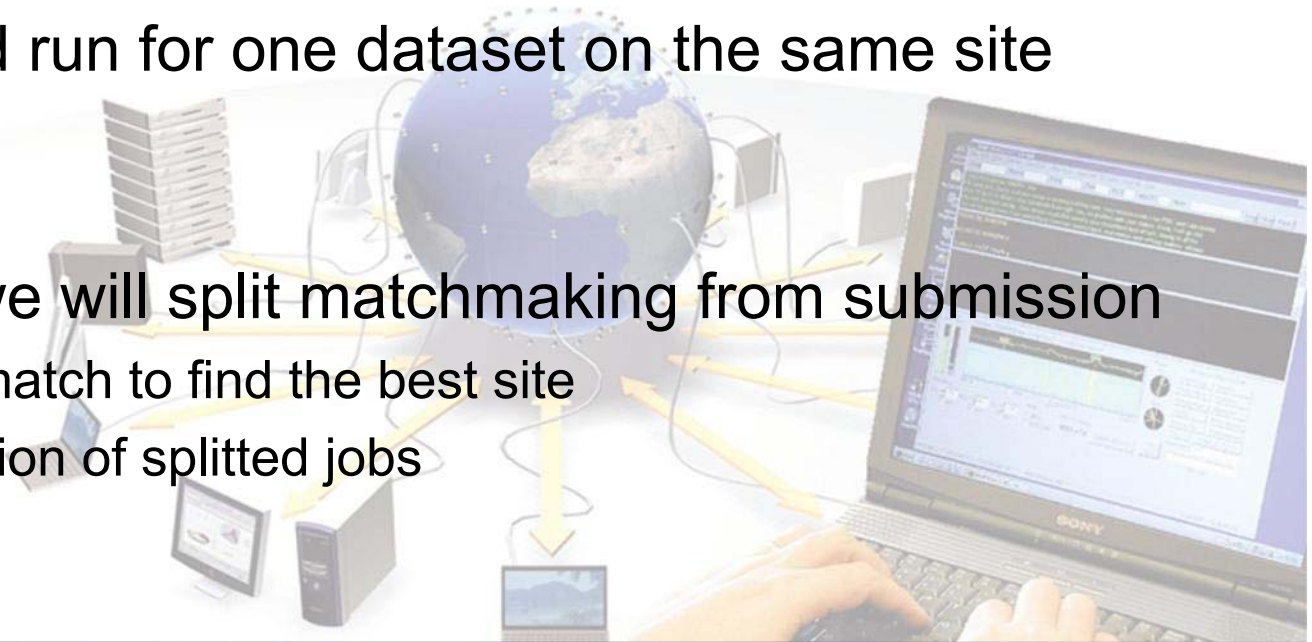
- Data will be distributed in datasets (in some form)
 - We will follow general ATLAS Data management developments
- Right now we plan to process the data where the data is stored
 - For one analysis all jobs should run on the same site

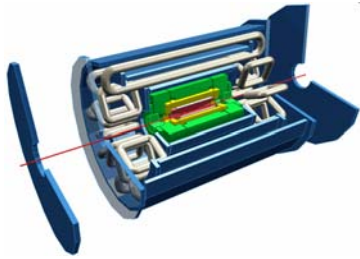




WMS Options

- Dataset catalog
 - Gives a list of SE where the dataset
 - If possible include RB in job placement
 - All jobs should run for one dataset on the same site
 - DAG ?
 - If necessary we will split matchmaking from submission
 - glite-job-list-match to find the best site
- Bulk submission of splitted jobs

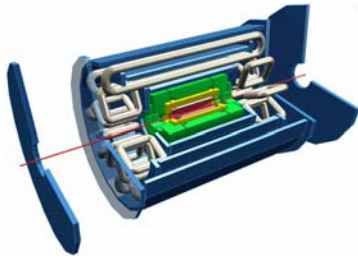




Package Management Options

- No plans by EGEE
- What is planned for the pre-production testbed
 - LCG schema ?
 - Has to be decided soon, as right now we use AFS

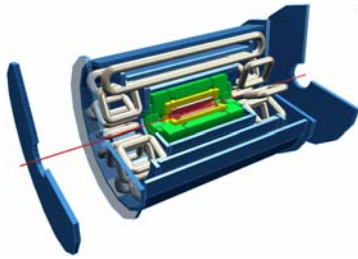




Data management options

- ATLAS relies on Don Quijote for Data management
 - Either DQ or underlying services directly

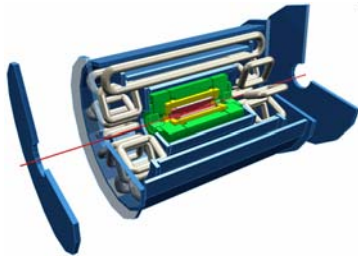




gLite Datamanagement

- gLite Services
 - Local catalog (we can live with the global catalog for the first time)
 - SRM for data access
- Role of gLiteIO will be investigated
- DIAL should also work with other environments





Misc. Aspects

- Our life will be simpler if some access to production service resources is possible.
- Data on SE
 - We would be also happy just to register the data in the catalog
- Software installation
 - Could be shared with LCG sites
 - Less important

