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# Status of Grid Tools in the UK

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# Talk Plan

- Grid access to RAL Tier A
- Grid access to UK Farms
- *Will leave RB to Dave's talk, and tool developments to Alessandra, Janusz, and Alasdair*

# Grid Access to RAL Tier A

- Full **RAL Farm** now accessible from the Grid
  - So far just tested with “**hello world**” jobs. Need to check that **BaBar environment** is setup correctly.
  - May still need to sort out default queues
  - Still uses **RH62 Gatekeeper**
    - Must upgrade soon or else site security will beat us up
- Production **Storage Element** still to be set up

# Pool Accounts - Status

- Pool accounts now **working** (as of yesterday)
- Accepts certificates that have both
  - **BaBar VO** entry (Manchester), and
  - Accepted **EDG usage policy** (Marianne, I N2P3)
- Cron job every 6 hours updates **grid-mapfile**
- New jobs will be allocated to local account names
  - If in static **grid-mapfile**, user's normal account is used
  - Otherwise a pool account **babar001, babar002, ... babar050** will be assigned
  - The pool account will forever more be bound to that certificate DN, so you will always run under the same **babar0NN**

# Pool Accounts - Plans

- Currently all but 3 BaBarGrid users are in our static **grid-mapfile**
  - Do we want to use pool accounts for everyone or just the new people?
- Using pool accounts means that new users don't need to register for accounts at RAL (or any other site that uses this system).
  - I believe this is an **essential requirement** for (at least) our Tier A sites
  - In the current (non-Grid) scheme, we have ~200 BaBar users registered at RAL
    - This has been significant work for the RAL e-Science Centre staff (also Manny and me)
    - Cannot ask each user to register separately at each site

# Grid Access to UK Farms

- Dave, Alessandra, and Janusz can say better... but here's my understanding of the status:-
- Most farms still have old EDG 1.2 setup
  - Doesn't work with EDG 1.4 clients and RB
- Manchester (Alessandra), Bristol (Wahid and Tim B), and Imperial College (Wahid and Janusz) have EDG 1.4
  - Bristol has CE+SE, but still some problems
  - IC working yesterday, but will upgrade Gatekeeper to RH72 today
- Once they have a good setup, it will be replicated at other sites