



Enabling Grids for E-science



UK & Ireland ROC

Claire Devereux
STFC, UK



www.eu-egee.org



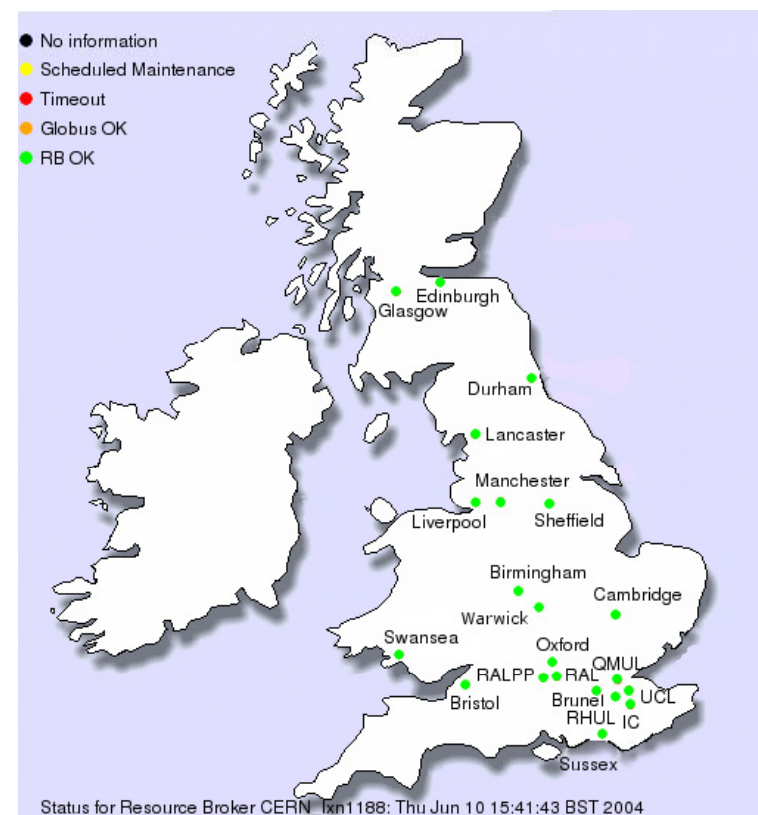
- **Three independent production grids, two countries**
 - National Grid Service (NGS)
 - GridPP
 - Grid-Ireland
- Heterogeneous resources!



- **Grid-Ireland**
 - 18 Grid-Ireland sites run gLite 3.1 grid middleware
 - TCD, DIAS, UCD and ICHEC are registered in LCG/EGEE
 - 6 VOs within Grid-Ireland
 - Operations centre providing
 - Certification Authority,
 - resource brokerage,
 - virtual organisation management,
 - data replica management,
 - a software repository and more...

GridPP

- UK grid for Particle Physics
- Supports most official EGEE VOs
- 19 UK universities and Rutherford Appleton Laboratory
- Main UK arm of EGEE



National Grid Service (NGS)



- four core resources
- seven partners
- eight affiliates
- Compute and data resources for all disciplines
- sites provide different levels of service
- some VO hosting and support
- Not all classical EGEE sites

NGS & GridPP strategy

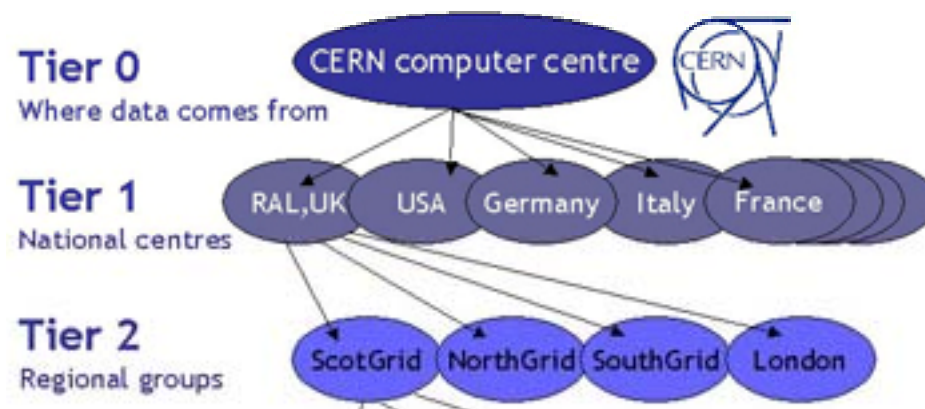
- Work more closely together **without compromising** the aims of either Grid
- Already **share common resources**: support centre, CA etc
- NGS runs gLite services CE, WMS, BDII
 - But does not yet support OPS VO so no SAM tests
 - gLite clients are not installed on WN,
 - but EGEE VOs can run these in user mode

First steps:

- NGS recently received request to **support OPS VO**
- **Sites** began joining both grids
 - Either two clusters at one site
 - Or the same cluster appearing in both grids
- New UKI EGEE **federation website** being designed
- JRU formation: 8 UK Institutions (EGEE and non-EGEE) signed **MoU**
- **Regular meetings** of UK e-Science members (JRU), TCD & DANTE

- **EGEE II to EGEE III**

- Distributed ROC
- Staff at T1 & T2
- April 2008, UK funding
- Use EGEE III funding for additional staff



- **COD responsibility moves to T2 in EGEE III**
- **SLD agreement between 3 grids and ROC (not ROC and sites)**

- **UK & I EGEE sites are well managed and deliver reliably. Three independent production grids.**
- **Making good progress towards 2 x NGI in federation**
- **No big changes in EGEE III – UK grids**
 - Incremental changes will bring management and operations under the control of NGS
 - leaves GridPP free to manage LHC Operations

**These should be sustainable beyond EGEE III
although not at the current level.**