



Enabling Grids for E-science

Introduction

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2nd Joint Workshop on MPI
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www.eu-egee.org

 The University of Dublin | Trinity College
Ollscoil Átha Cliath | Coláiste na Tríonóide



- **EGEE TCG working group formed early 2006**
 - Recognised poor state of support for MPI on EGEE
 - Mailing list (low levels of activity)
- **1st workshop on MPI held in December 2007**
 - Define working
 - Share experience gained by int.eu.grid
- **Results of the 1st workshop:**
 - Agreement on site configuration (env. variables and GLUE)
 - Preliminary work on YAIM module
 - Adoption of mpi-start to encapsulate batch systems, MPIs, etc.
 - Recipe for job submission

- **Deployment of approved configuration**
 - Quattor sites installed very quickly (France, Belgium, Ireland)
 - UK sites with no shared home FS
 - National Grid Service
- **Development, certification, and release of YAIM module**
- **Continued enhancement of mpi-start for new use cases**
- **Development of SAM sensor for MPI**
- **“Enhancement” of gLite WMS for MPI**
- **MPI user course run in Dublin**
- **Presentation at EGEE User Forum 2007**

- **Gather feedback on current configuration**
 - Does it work for users?
 - Does it work for sites?
- **Working out sustainable support structures**
 - Documentation and communication
 - Resolving reported MPI issues
 - Build and maintenance of software
- **Provide recommendations on advanced features**
 - Specialised compilers (e.g. Intel Fortran 90)
 - Cross-site MPI
 - Tools for debugging, etc.
 - ...