



Enabling Grids for E-science

EGEE lessons learnt on regional interactions

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- EGEE works together with a wide variety of other projects providing grid infrastructure and services across Europe and world-wide.
- Some of these links are very strong and associated with tasks in the projects on both sides. Other links are rather the expression of an understanding that working together brings mutual benefits.
- Regional infrastructure projects are formally associated with EGEE, where the association is usually explicit in the project proposals, often with common partners between EGEE and the related project
- Although they are autonomous projects, there is tremendous synergy with EGEE, and all use the gLite middleware.

- **All Regional Projects have an association to an EGEE ROC**
- **Most of the Regional Projects have staff within the CERN ROC**
- This provides a crucial liaison between the projects and SA1 (EGEE Grid Operations, coordination is at CERN).
- The projects emphasised the importance and mutual benefits of this CERN link.
- Two types of sites:
 - Some reach maturity in (stability and size) and have often been integrated into the EGEE infrastructure
 - some sites, due to their small size (<10 CPUs), would be more of an overhead than of a real benefit to a production infrastructure. In regional grid projects, however, they are essential, since they are incubators of local grid usage and application development. They also serve to form new site administrators, and expose new users to grid technology.

All grid operations areas:

- Interoperability (some run various mw stacks)
- Integration with EGEE
- Mw upgrades
- Operation tools
- User support

- **Not clear communication channels**
 - Based on best will, needs, people sitting at CERN
 - Recent MoUs will help!
- **No formal commitments to share efforts, or adopt each other tools**
 - Best will, which has worked well
 - Cross fertilization of ideas, processes and tasks
- **Similar to future NGI model!**
 - They adopt the procedures/tools/etc that they think are useful, otherwise they change them for their regional things or start from scratch
 - Sometimes we know about each other new things too late
 - Movement in EGEE to fix this: members of OAT, etc