http://www.grid-support.ac.uk

http://www.ngs.ac.uk

# Next Steps

http://www.nesc.ac.uk/

http://www.pparc.ac.uk/

http://www.eu-egee.org/

# Policy for re-use

- This presentation can be re-used for academic purposes.

- However if you do so then please let training-support@nesc.ac.uk know. We need to gather statistics of re-use: no. of events, number of people trained. Thank you!!

# Goal of talk

- Thus far the emphasis has been on what the NGS is, and how to use its core services.

- The goal of this talk is to ensure that intending users of the NGS know what support services and procedures are provided by GOSC.

# Overview

- What you can do next:
    1. Obtain a UK e-Science Certificate
       THEN
    2. Apply for access to the NGS
       - You join personally – not as a project

- Whilst these are being processed
    – Determine your options for running grid commands
    – Set up equivalent of training-ui.nesc.ac.uk for Brunel/yourself?
    – Use gsissh on windows?

- More training?
- Further information sources

# Vital web sites

- National Grid Service
  - http://www.ngs.ac.uk

- Grid Operation Support Centre
  - Access via NGS page
  - www.grid-support.ac.uk
  - Through here find the UK Certificate Authority

# How Do I Get A Certificate?

- You need a valid UK certificate before applying for an NGS account:
  - https://ca.grid-support.ac.uk, the UK Certificate Authority.
  - You will probably need to provide non-electronic proof of identity to your local representative of the CA.
    - For example: a photocopy of your passport.
      - See http://www.grid-support.ac.uk/archive/ca/ralist.htm
  - Ensure that you use the same browser (on the same computer) that you sent the request from to download your certificate.
  - Always keep this certificate secure.

- Follow instructions on UK CA pages
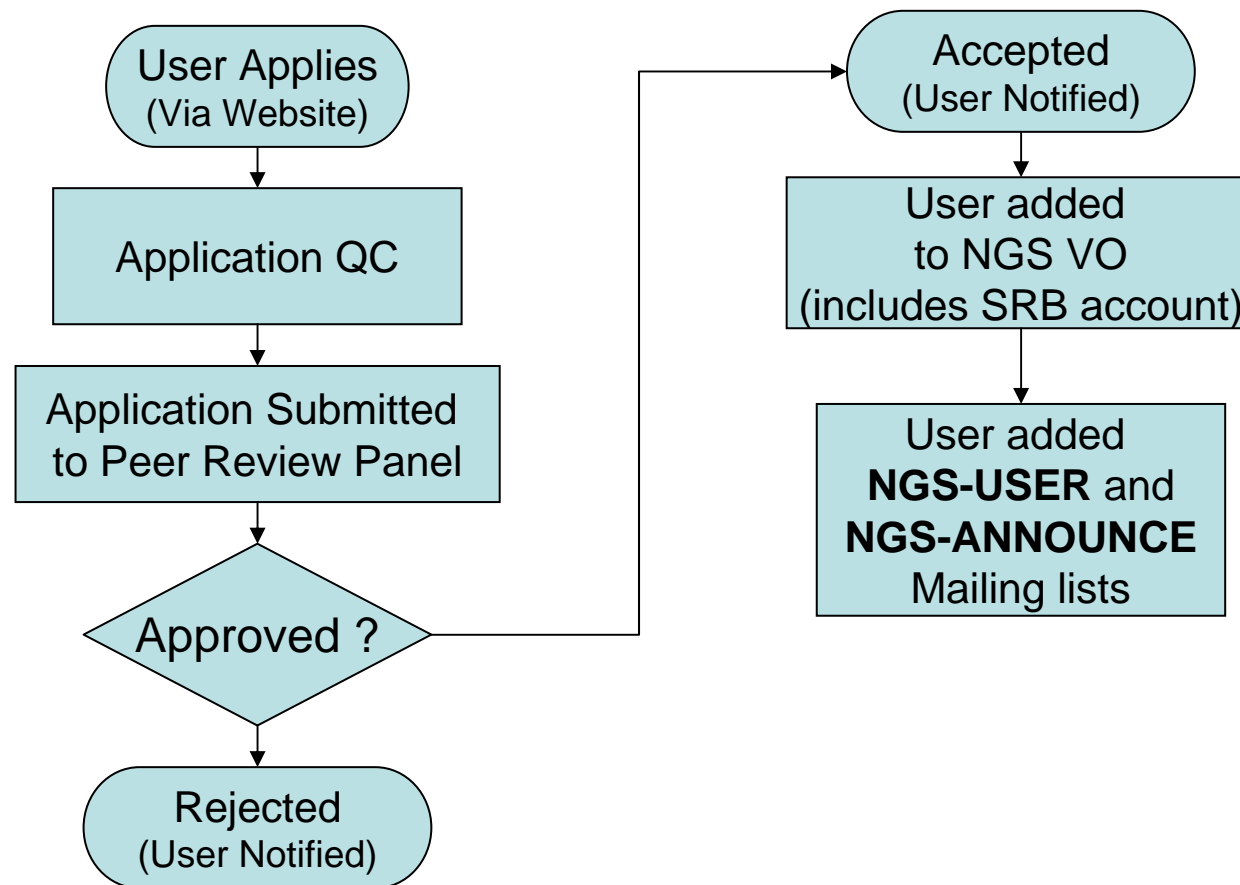  - and also refer to yesterday's 2nd talk and 1st practical.

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# Apply for access to the NGS

- Via www.ngs.ac.uk/access

- You need a UK e-science certificate before you apply

- Simple web form
  - Specify cpu time, storage you want

# User Registration (Process)



User Applies
(Via Website)

↓

Application QC

↓

Application Submitted
to Peer Review Panel

↓

Approved ?

Rejected
(User Notified)

Accepted
(User Notified)

↓

User added
to NGS VO
(includes SRB account)

↓

User added
**NGS-USER** and
**NGS-ANNOUNCE**
Mailing lists

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- With your NGS account, you get
  - SRB account

- Can apply for an Oracle account to GOSC

# Projects and VOs

- Just need access to compute and data resources for users in your project?
  - Currently, mainly applications from individuals
  - project-based applications being dealt with case-by-case, as procedures are established
  - if in doubt, talk to GOSC!

- Want to host your data on NGS?
  - consider GridFTP, SRB, Oracle, or OGSA-DAI
  - NGS maintains infrastructure
  - you populate and manage data

- Want to use NGS resources to provision services, portals for a community of users?
  - next slide

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# Providing services for a VO

- NGS resources can be used to provide a portal (or portlets) or other service for your community
- Deployment and security scenarios are negotiable
- NGS policies (core nodes):
  - your portal can present its own, or a delegated user's credential to NGS, but tasks should be traceable to initiating end-user
  - you should not run your own services in user space without prior agreement of NGS and hosting site
    - we need to know that services are secure, will not jeopardise operation of other NGS services, or consume too much precious resource on head nodes
- Talk to GOSC!

# Resource providers

Resource providers join the NGS by

- Defining level of service commitments
- Adopting NGS acceptable use and security policies
- Run compatible middleware
  - as defined by NGS Minimum Software Stack
  - and verified by compliance test suite
- Support monitoring and accounting

Two levels of membership
1. Affiliates run compatible stack, integrated support
2. Partners also contribute "significant resources"

# More training?

- Watch http://www.nesc.ac.uk/training
- Also http://www.nesc.ac.uk/esi/esi.html
- http://egee.nesc.ac.uk/ for EGEE events and materials – repository.
- International Grid Summer School – July.

- TELL US WHAT YOU WANT !!!!
  - In future versions of this course
  - In application developer courses
  - …..

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# NeSC UK Training

- **Establishing set of core courses:**
  - Induction, sysadmin, application devel.,…
    - For EGEE (current and gLite), NGS
    - Cooperating with OMII
  - Fundamentals: WS, WS-RF

- **In NeSC national role:**
  - Building collaborations to support/co-deliver training with UK e-science centres and VO's
  - Establishing repository (for EGEE) and website http://www.nesc.ac.uk/training

- **In NeSC's regional role, providing:**
  - events in Scotland
  - Training and support for potential & current users of grids

# Information Sources

# WEB SITES

**GGF – see GGF 16, Athens, March 2006**

**EGEE** www.eu-egee.org

Training activity homepage**:** **http://egee.nesc.ac.uk/**

Roadmap**:** training events since the start of EGEE

**http://www.egee.nesc.ac.uk/schedreg/index.html**

**LCG** lcg.web.cern.ch/LCG/

**NeSC** www.nesc.ac.uk

**The Grid Cafe** www.gridcafe.org

- **More EU sites**:
  - http://www.cordis.lu/ist/grids/fp6_grid_projects.htm
  - http://www.gridstart.org/concertation_mtg.shtml
  - EGEE User Forum
  go via http://public.eu-egee.org/

# UK websites

- National Grid Service http://www.ngs.ac.uk
- Grid Operations Support Centre http://www.grid-support.ac.uk
- National e-Science Centre http://www.nesc.ac.uk
  - UK Training Roadmap  http://www.nesc.ac.uk/training
- UK AHM  - see 2005 proceedings and go to 2006!
  - http://www.allhands.org.uk/
- ALSO:
  - regional e-science centres – via NeSC pages
  - NIEeS, NCeSS, Arts and Humanities e-Research Centre, National Text Mining Centre