

SA1 operational policy training, Athens 20-21/01/05

Runtime Operations

Kostas Koumantaros
South East Europe ROC

Technical Manager, GRNET



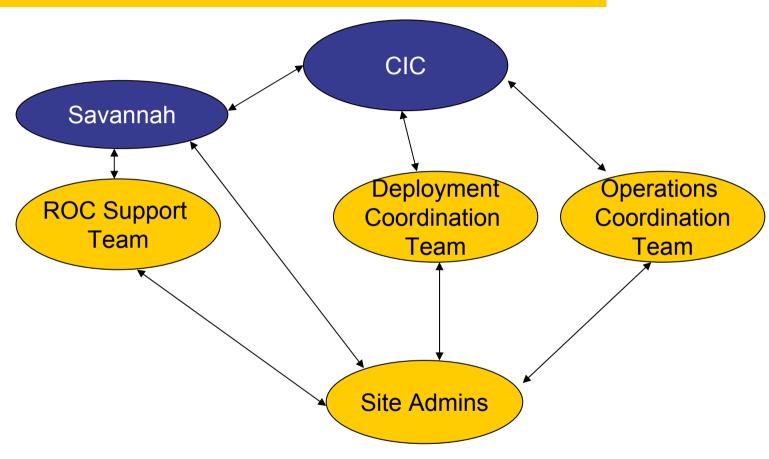
Scope



- Explain current runtime operations and how the workflow will evolve as more sites are added and GGUS and the egee-see helpdesk kicks in
- Runtime operations include
 - Site problems solving (Support Coordination Team)
 - Minor upgrades (Operations Coordination Team)
 - e.g. CA updates
 - Configuration changes (Operations Coordination Team)
 - e.g. central BDII changes
 - Security incidents (Security Coordination Team)
 - etc

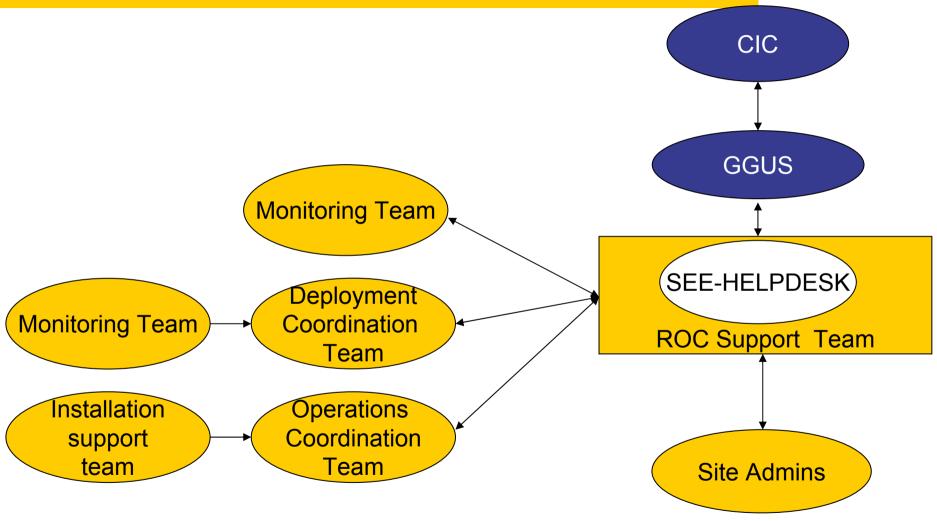
Current information workflow





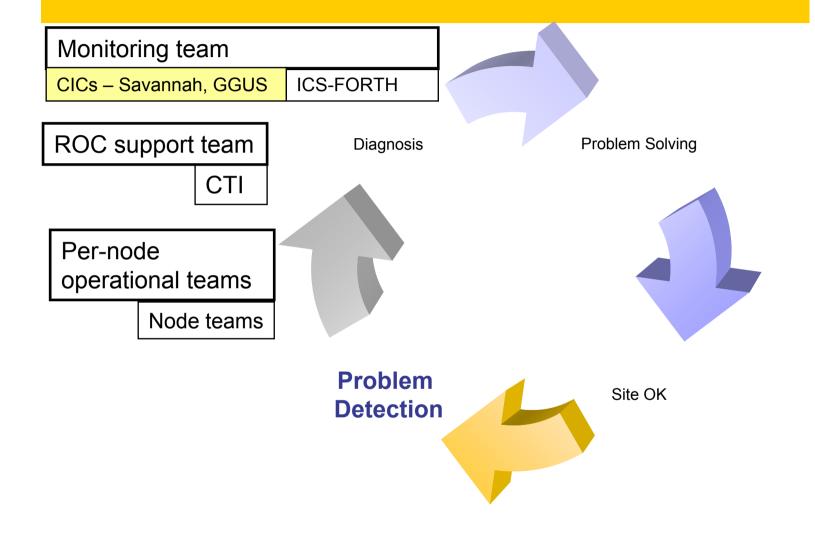
Prospective information workflow





Vicious circle of problem solving





Problem detection

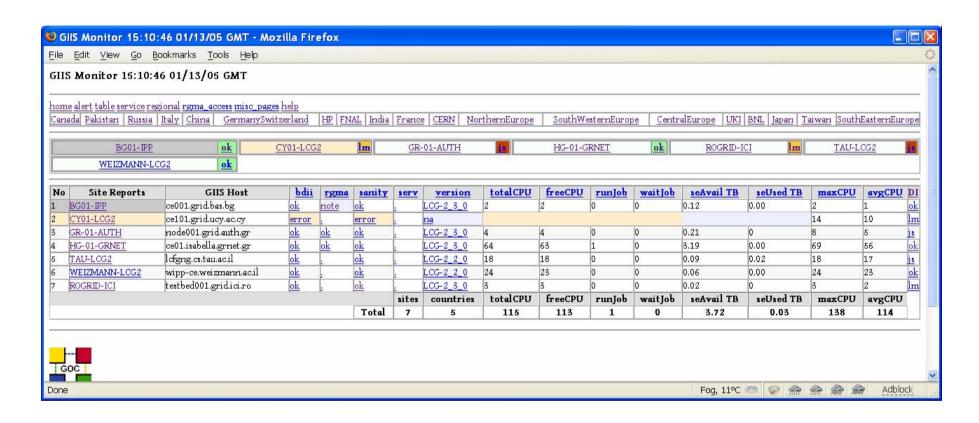


- Done mostly by CIC-on-duty, but also ROC
- 1. Problem spotted using:
 - Site Functional Tests: http://lcg-testzone-reports.web.cern.ch/lcg-testzone-reports/cgi-bin/listreports.cgi
 - GIIS Monitor: http://goc.grid.sinica.edu.tw/gstat/
 - GOC Database: https://goc.grid-support.ac.uk/gridsite/db/
 - GOC Job Monitor: http://goc.grid-support.ac.uk/gppmonWorld/gppmon maps/lcg2.html
 - GOC Certificate Lifetime: http://goc.grid-support.ac.uk/gppmonWorld/cert_maps/CE.html
 - GOC Live Job Monitor: http://www.hep.ph.ic.ac.uk/e-science/projects/demo/index.html
- 2. CICs open a Ticket at Savannah (https://savannah.cern.ch/projects/lcg2sites/) and send e-mail to site Administrators and the ROC support team grid-support@egee-see.org.
- Site admins should also look the GIIS Monitor and the Site Functional Tests and start working on a problem ASAP

Monitoring tools



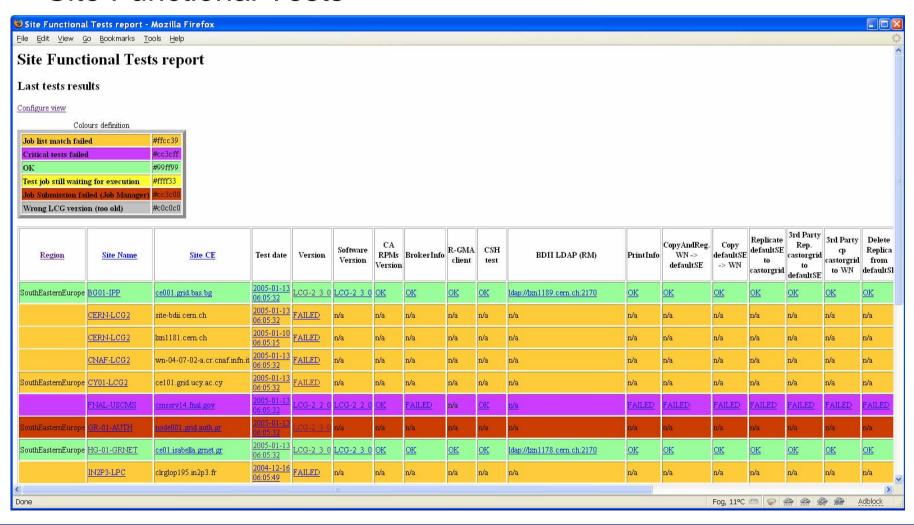
GIIS Monitor



Monitoring tools 2



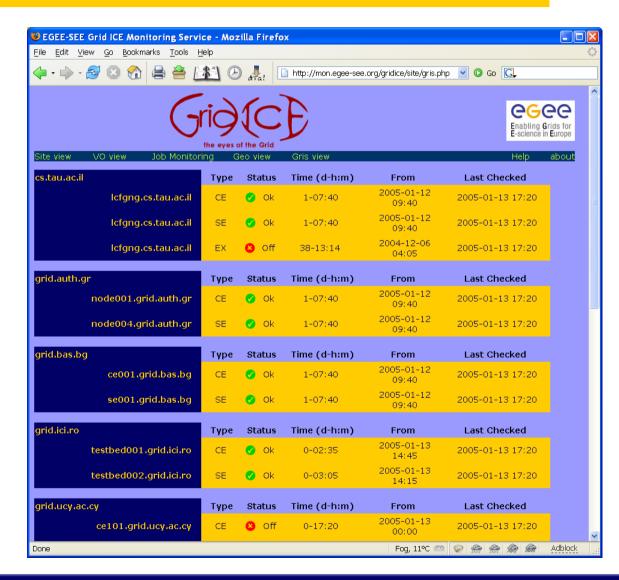
Site Functional Tests



Monitoring tools 3

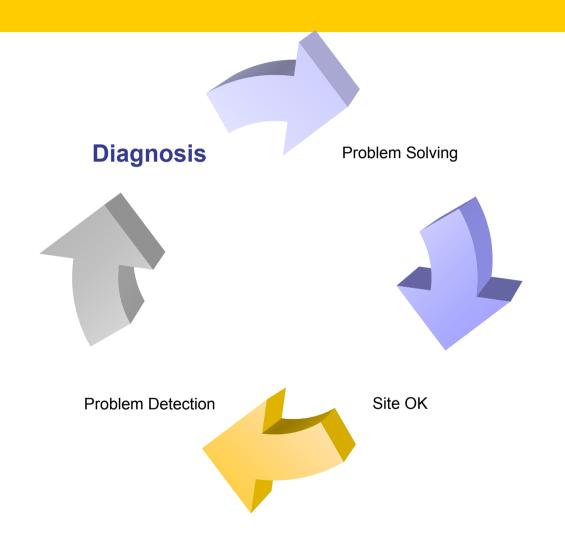


Grid ICE



Vicious circle of problem solving





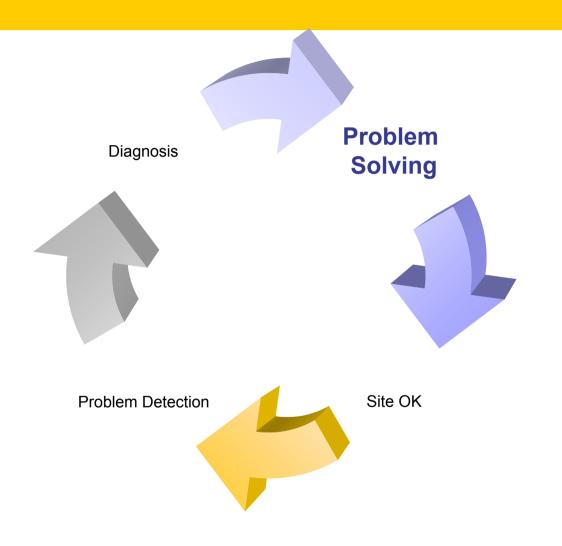
Diagnosis



- Read the description of the task / problem
 - mail received from the CIC-on-duty
- Report in Savannah that you are dealing with the task
- Look at the "Sites functional tests" for more details
- Get assistance / guidance from
 - Knowledge databases with information about the typical problems
 - http://goc.grid.sinica.edu.tw/gocwiki/SiteProblemsFollowUpFaq
 - http://grid-it.cnaf.infn.it/index.php?knowledgebase
 - http://www.gridpp.ac.uk/tb-support/faq/index.html
 - The pools of expertise that reside in
 - LCG-ROLOUT@LISTSERV.RL.AC.UK
 - egee-sa1-tech@grnet.gr

Vicious circle of problem solving





Problem solving



- Try to reproduce the problem and identify its cause
- Try to solve the problem
- If needed request assistance from egee-sa1-tech@grnet.gr and or the CIC-on-duty
- If problem is solved
 - Report to Savannah that its is solved and explain briefly what caused it
 - CIC-on-duty or the ROC support team updates the ticket to "Site OK"
 - Your site will be in quarantine for 3 working days

Else

- Report to Savannah and <u>grid-support@egee-see.org</u> the reason why the problem is not solved.
- Keep on trying ... ©

Q & A



