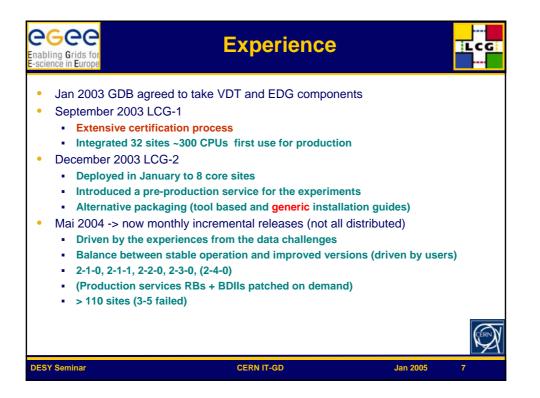
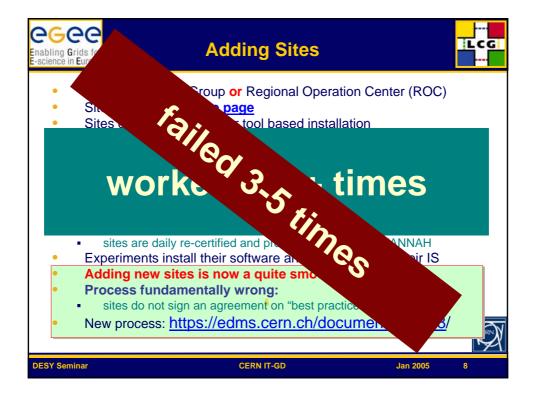
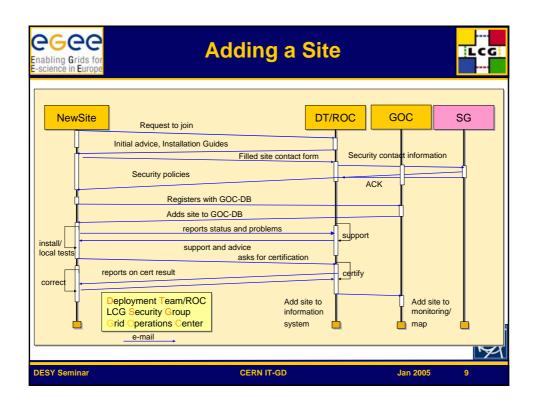


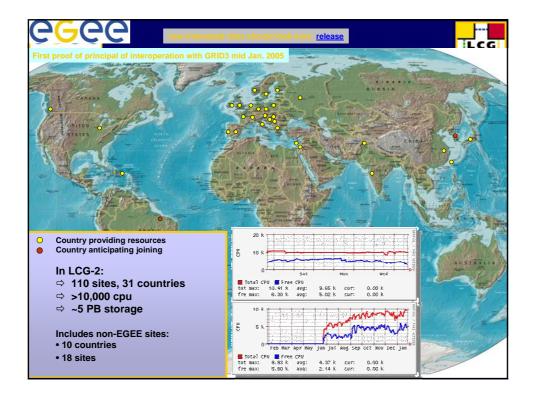
	and Computing
desktops	nall Itres Itres
<ul> <li>permanent, managed grid-enabled storage (raw, analysis, ESD), MSS</li> <li>reprocessing</li> <li>regional support</li> <li>Tier-2         <ul> <li>managed disk storage</li> </ul> </li> </ul>	Current estimates of Computing Resources needed at Major LHC Centres First full year of data - 2008 Processing M Disk Storage Si2000** PetaBytes PetaBytes
<ul> <li>simulation</li> <li>end user analysis</li> <li>parallel interactive analysis</li> </ul>	CERN 20 5 20 Major data handling centres 45 20 18 (Tier 1)
	Other large centres (Tier 2)40125Totals1053743
DESY Seminar CERN	** Current fast processor ~1K Si2000 IT-GD Jan 2005 5

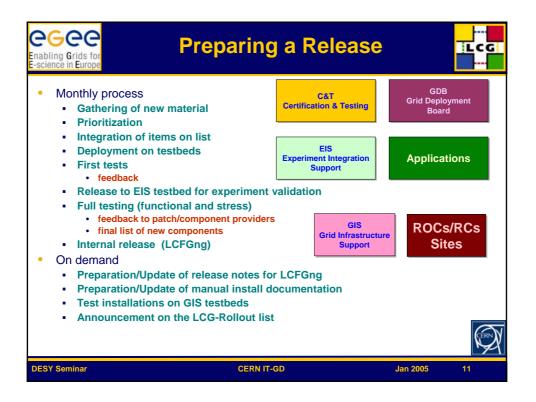
Enabling Grids for E-science in Europe	LCG-2 sof	tware
<ul> <li>Evolution through 2003/200</li> <li>Focus has been on making         <ul> <li>Basic functionality and re</li> <li>Respond to needs of users</li> </ul> </li> <li>The software stack is the fourier of the software stack is the software stack is the software stack is the software stack is t</li></ul>	these reliable and rob liability rather than additio , admins, operators llowing: c el components (single central catalog), re d monitoring framework w d components: GRIS/GIIS → BDII	onal functionality
<ul> <li>Disk pool managers (dd</li> <li>Catalogue</li> <li>Other tools as required:         <ul> <li>e.g. Gridlce - DataTag</li> </ul> </li> </ul>	Sache, DPM) - N	Aaintenance agreements with: <ul> <li>VDT team (inc Globus support)</li> <li>WLM, VOMS – Italy</li> <li>DM – CERN</li> </ul>
DESY Seminar	CERN IT-GD	Jan 2005 6

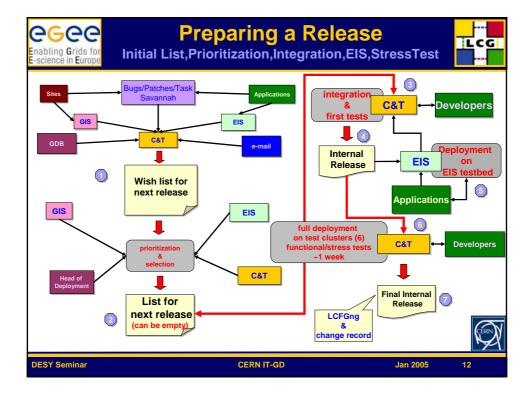


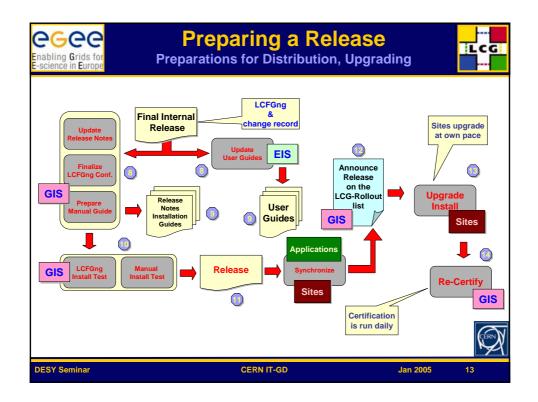




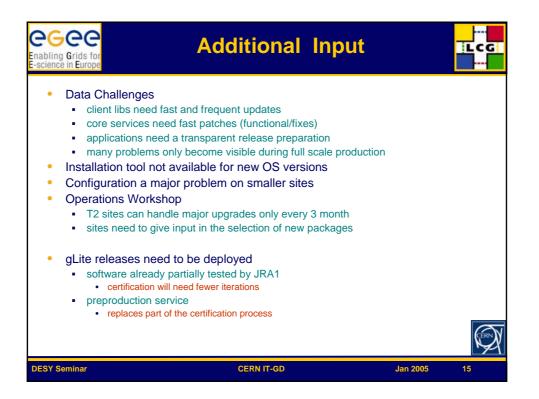




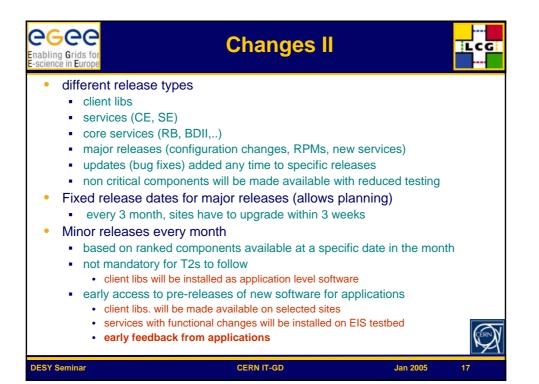


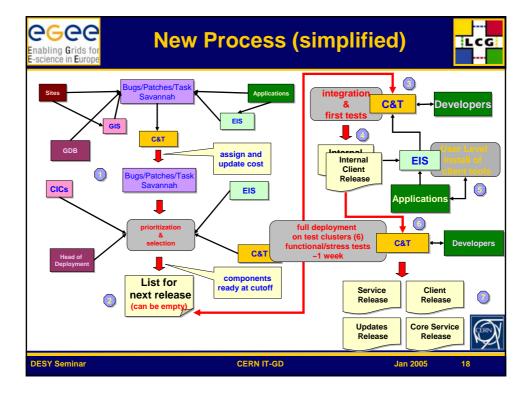


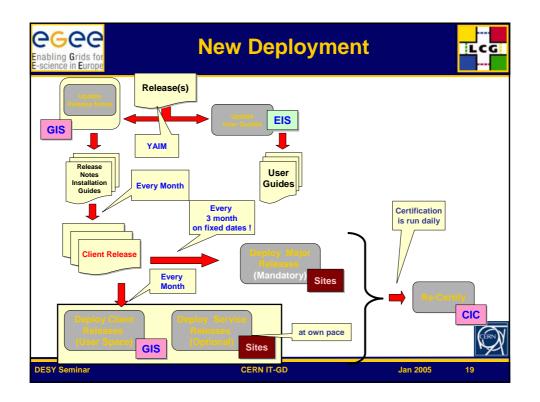
Enabling Grids for E-science in Europe	Experience	
<ul> <li>The prince</li> <li>Ma</li> <li>Ma</li> <li>For</li> <li>Mu</li> <li>All</li> <li>Process</li> <li>Timing</li> <li>use</li> <li>Upgration</li> </ul>	As was decisive to improve the middleware cocess is time consuming (5 releases 2004) ny sequential steps ny different site layouts have to be tested mat of internal and external releases differ ltiple packaging formats (tool based, generic) components are treated equal same level of testing for non vital and core components new tools and tools in use by other projects are tested to the same level as to include new components is not transparent g for releases difficult ers: now sites: scheduled des need a long time to cover all sites ne sites had problems to become functional after an upgrade	
		Ŕ
DESY Seminar	CERN IT-GD Jan 2005	14

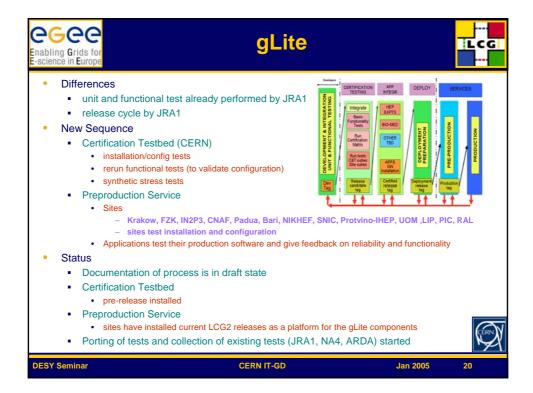


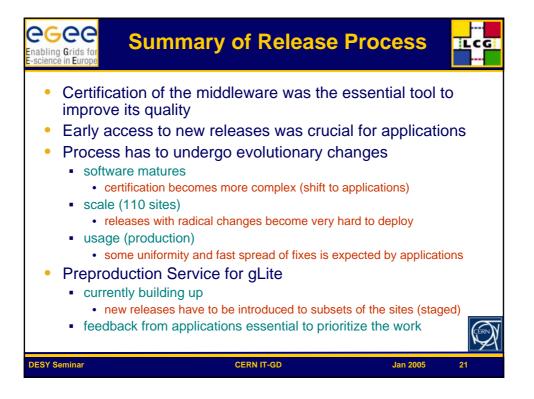
ecce Enabling Grids -science in Eur	for Changes i	LCG
• Proc	<ul> <li>ple Installation/Configuration Scripts</li> <li>YAIM (Yet Another Installation Method), semi automatic, simple configuration <ul> <li>all configuration for a site are kept in one file</li> </ul> </li> <li>APT (Debian) based installation of middleware RPMs <ul> <li>simple dependency management</li> <li>updates (automatic or on demand)</li> </ul> </li> <li>Client libs packaged in addition as user space tar-ball <ul> <li>can be installed like application software</li> </ul> </li> <li>cess (in development 2-4-0 is last release with old process)</li> <li>mew process to gather and prioritize new packages <ul> <li>formal</li> <li>tracking tool with priorities assigned to the packages</li> <li>cost to completion assigned (time of specific individual) at cut of day</li> <li>selection process with participation of applications, sites and deployment</li> <li>work will continue based on priority list between releases (rolling)</li> </ul></li></ul>	
DESY Seminar	CERN IT-GD Jan 2005 1	6

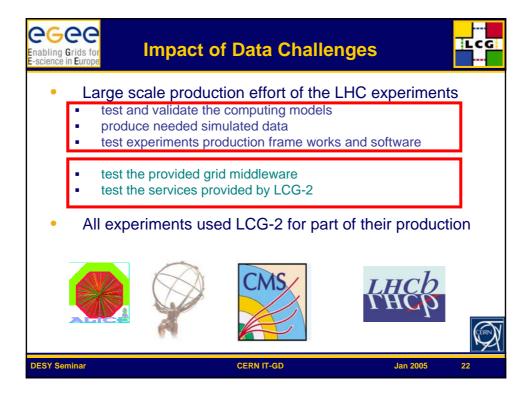




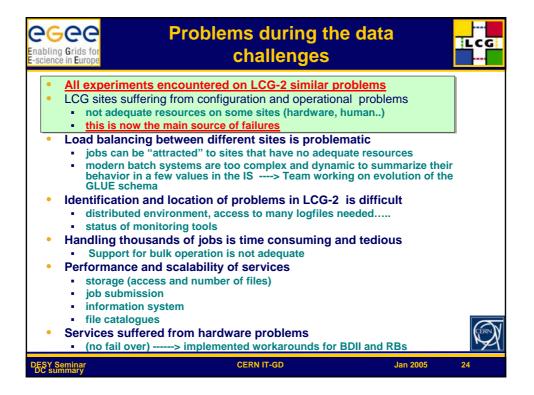








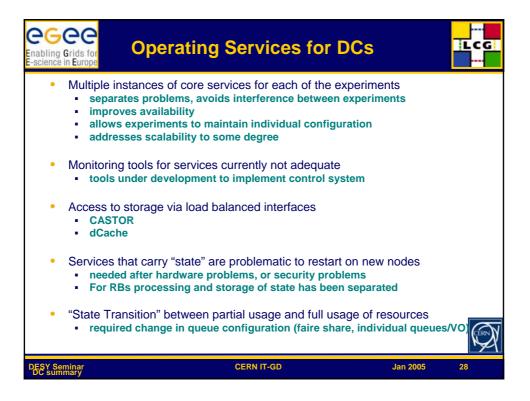


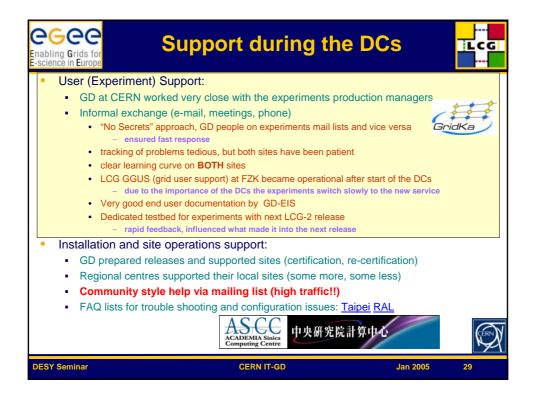


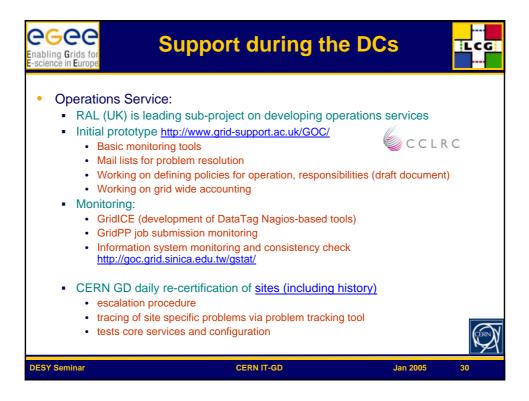


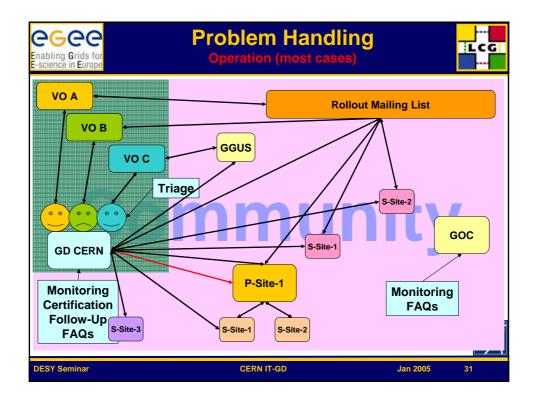


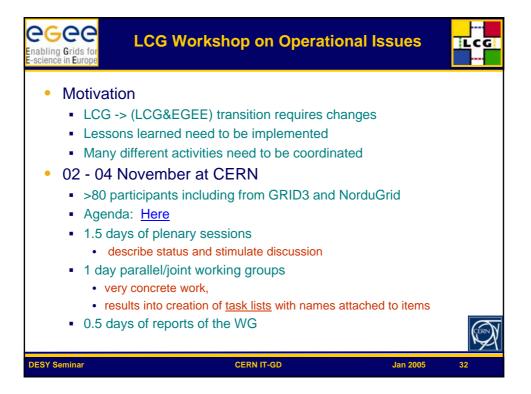


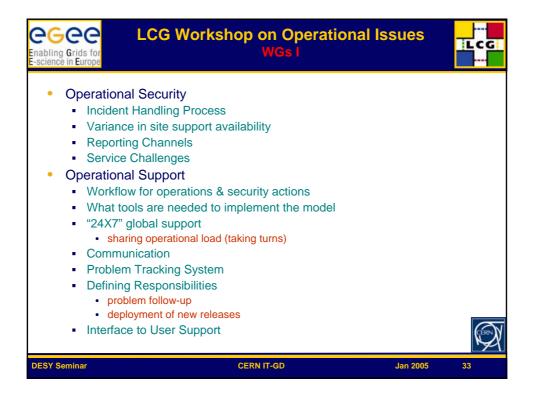


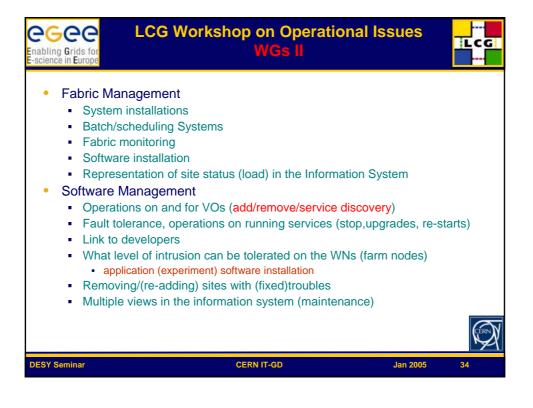


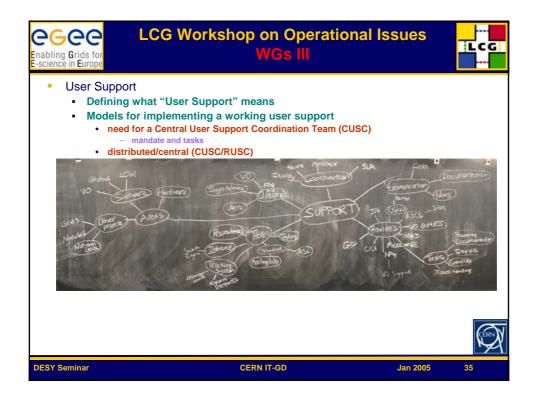




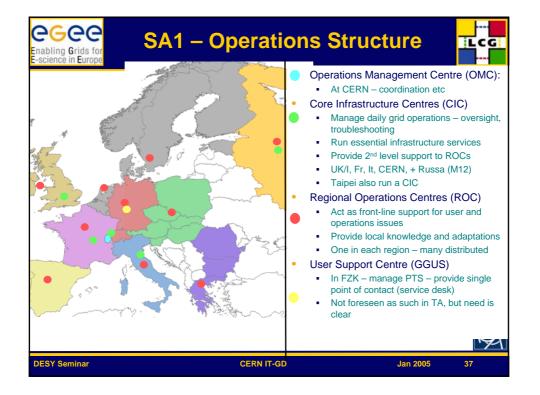


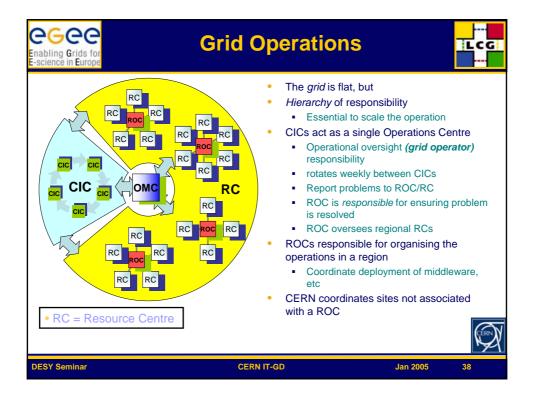


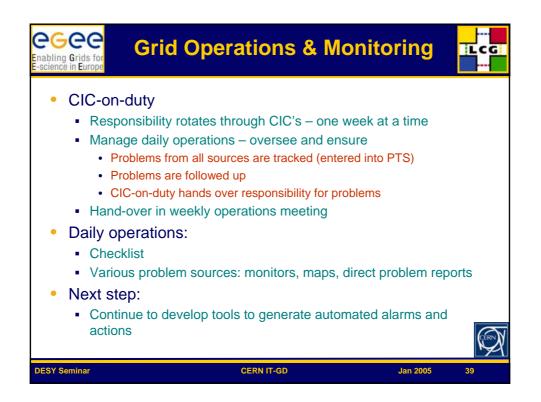


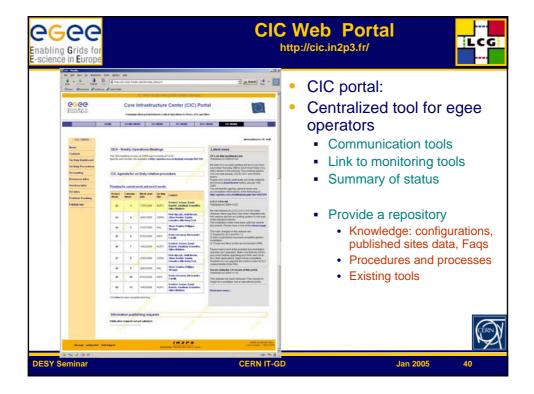


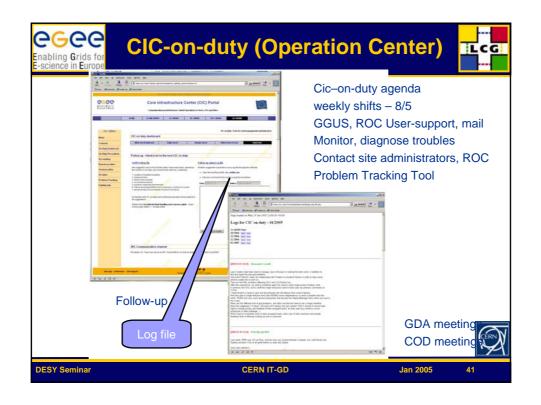




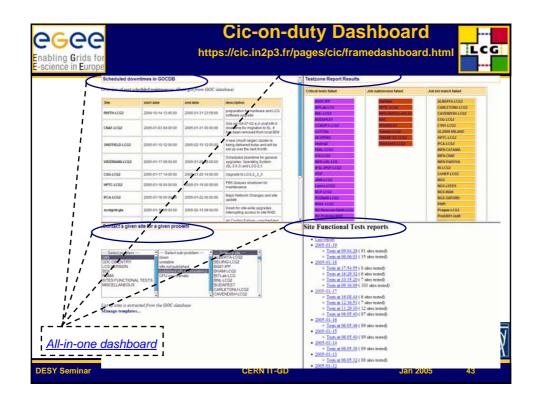


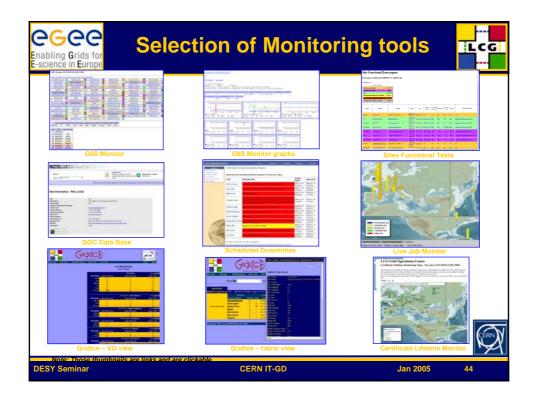




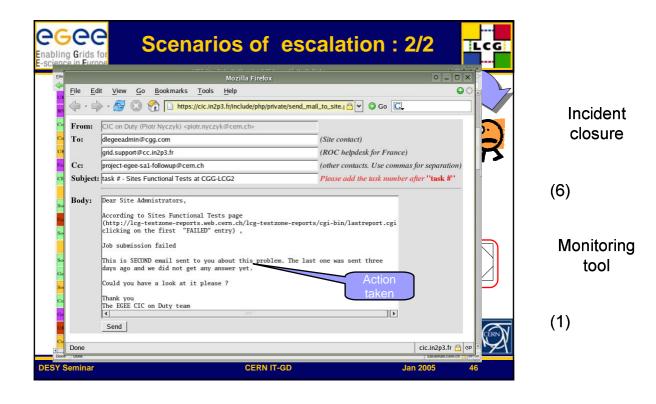


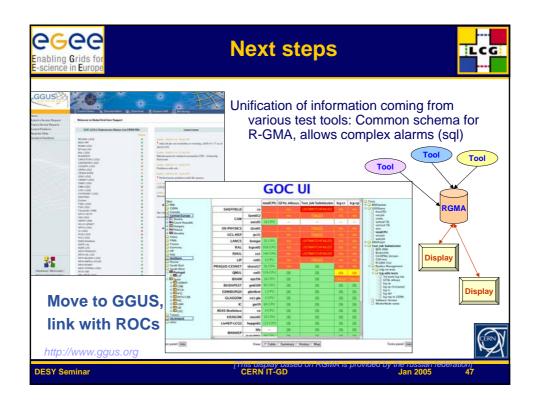




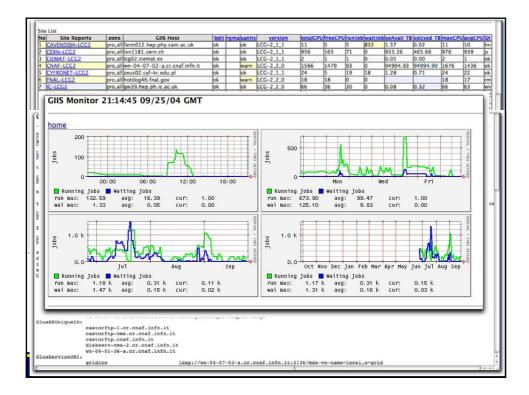


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In Project/Group	You are both technician	and <u>manager</u> for this tracker.		
Provide Projection	task #1518 ove	rview: GIIS seems to be down		
Full List Statistics LEGE Sciencescold Hellow Der Staggend	Submitted by: Submitted on:	Judit Novak «jnovak» 2005-Jan-04 15:08		anges and Browse Items
SouthBuilds Washed C.C. & Provincial Science (FAG) Here Device (FAG) Contact Un	Should Start On; Category; Item Group;	17 W January W 2005 CY01-LCG2 W Information System	Should be Finished on; Priority: * Status;	20 • January • 2005 3 - Low • None •
O MATERIAN	Assigned to: Action taken; Person contacted; Response;	incrsoutheast ▼ Mail to site admin sing@ucy.ac.cy, grid-support@egee-see.org problem was fixed	Percent Complete; Open/Closed; *	[100% • [Closed] •
	Summary; * Original Submission;	GIIS is down		
	task #1518 det	-11		Ticket
	Follow-up Comment     Attached Files     Mail Notification Carl		l	status
	- Dependencies			
ine .				savannah.cem.ch





Enabling Grids for E-science in Europe	Summary	
<ul> <li>Many mi</li> </ul>	rvices have been supporting the ddleware problems have been found – are itself is reasonably stable (within the	many addressed
00	utstanding issues are related to p og stable operations	providing and
<ul> <li>Must be</li> </ul>	ddleware has to take this into acc more manageable, trivial to configure a ment and monitoring must be built into a	and install
	al Workshop has started many a moved to EGEE structure	activities
• gLite and	LCG2 will coexist for some time	(F)
DESY Seminar	CERN IT-GD	Jan 2005 48



					or ce1.egee.	Sité?test report
History o	f result	ts for s	ite: cel	l.eg	gee.fr.cgg.com	CASHERS STRATE OF A WARD STILL
	Colours de	finition				WN: kirin physics carleton ca
Job list mate	h failed		#ffcc39	T		date: Sat Sep 25 03:54:55 EDT 2004
Replica Man		iled	#cc3cff	_		date: Sat Sep 25 03:54:55 EDT 2004
ок			#99ff9			and the second
Test job stil	waiting fo	r execution	#ffff33			Table of contents
job Submiss	ion failed (	Job Manage	r) #cc3c0	0		personal and the second person of the second person
Wrong LCG	version (too	old)	#c0c0c	D		<ul> <li>Configuration of the Worker Node</li> </ul>
						Finite Finite Field Finite Field Fie
		Software		CSH		Checking if CSH works at Rep. 3rd Party Delete
Test date	Version	Version	BrokerInfo	test	BDII LDAP	Difference between variables for bash and csh town defaultst
						Software paths for the experiment
004-09-25	LCG-2_2_0	LCG-2_2_0	OK	ОК	Idap://lxn1189.cern.ch	20 of Mountpoints on WN OK OK OK OK OK
004-00-24						<ul> <li>Accessibility of software paths</li> </ul>
1:48:50	LCG-2_2_0	LCG-2_2_0	OK	<u>OK</u>	Idap://cel.private.egee	ag com 2135 Replica Manager configuration ALLED FAILED DX DX
004-09-24	LCG-2.2.0	n/a	n/a	n/a	n/a	by installed RPMs list is n/a n/a n/a n/a
7:05:10	and destant	17.7	17.7	· " ~	127	a Installed software version
7:05:55	LCG-2_2_0	LCG-2_2_0	QK	<u>OK</u>	Idap://cel.private.egee	aster, Replica Manager tests Trailed FAILED FAILED OK OX
004-09-22			n/a		22	of Checking if we can see the SE at CERN
7:05:33	100-2.2.0	nya	n/a	n/a	n/a	Checking printlnfo command
004-09-21	LCG-2_2_0	LCG-2_2_0	<u>OK</u>	<u>OK</u>	Idap://cel.private.egee	ag.com:2135 01 Checking copyAndRegisterFile command to 0K 0K
004-09-21		la ser a se a			and the second second second	Check copyFile command
7:05:52	LCG-2_2_0	LCG-2_2_0	OK	<u>OK</u>	ldap://lxn1189.cern.ch	Checking replication to SE at CERN ( OK OX OX
004-09-20	FAILED	n/a	n/a	n/a	n/a	Checking 3rd party replication . n/a n/a n/a
7:05:29						<ul> <li>Checking copyFile for 3rd party replicated file 3</li> </ul>
COMPOSITION OF			_	-		Checking deleteFile command on replicated
ALETONU-LOCE	web2 attaining to	ALCONT .	2004-09-23		LObeta LCG-2,0,0 DK DK	Replica Manager tests using LCG tools
VENDISH-LCG2	Terrifiz hep-ph		2254-59-25 UT.05.02			Checking information system (GFAL)
N2F3-LCC2	schaest01.in2a		UT.01.02			Checking if default SE is defined
CALCULARIE.	Territor and the	A.M.	17.05.12			or Checking Icg-cr command 1
	Contraction of the local division of the loc		10.00.00			Check lcg-cp command and the reader of the r
C-LCC2	cal ages h con	100	2004-09-25	10.2		Checking Icg-rep to SE at CERN
MAT-LCC2	test? clemet as	Lors	2004-09-25			Checking 3rd party replication .
AF-LCG2	wo-04-07-01-4	or and take a	2204-02-24			helitamentano
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