

# South-West Regional Operations Centre: Operation and management as part of the EGEE Grid infrastructure

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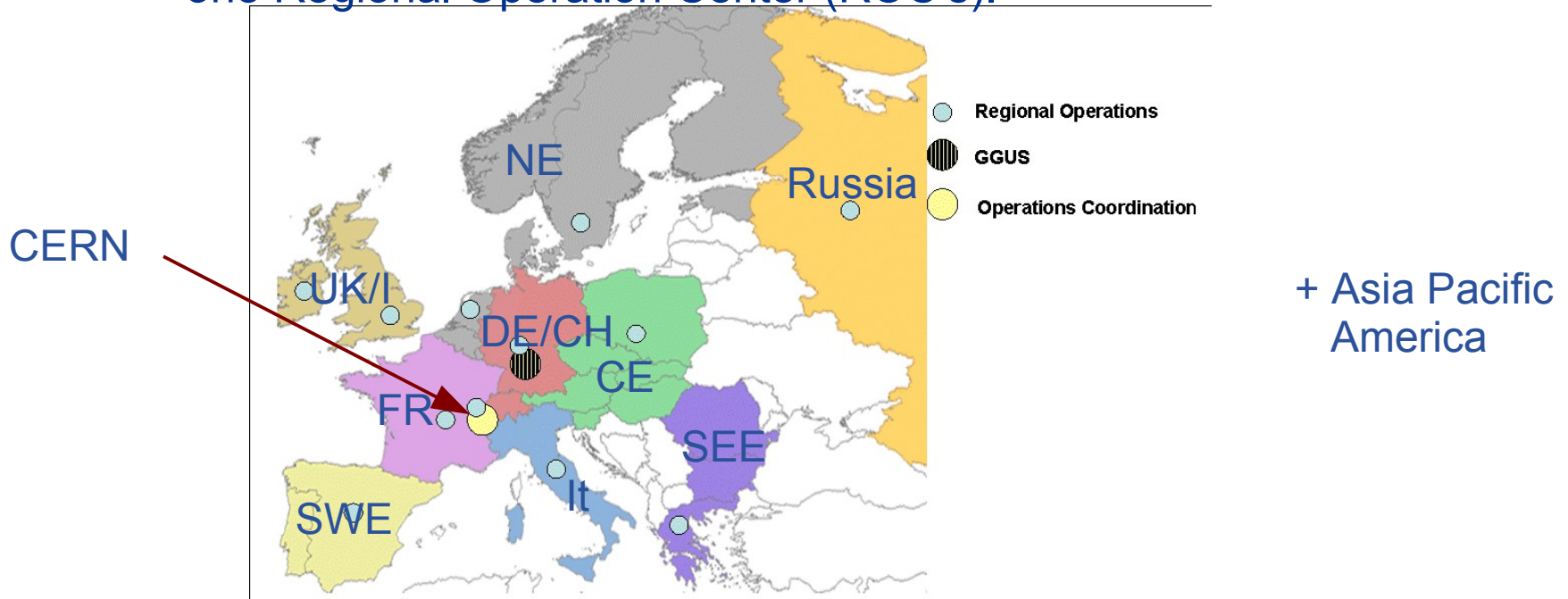


Information Society  
and Media



- **EGEE operations overview and contribution of ROC-SWE to the global operation:**
  - *GOC: Grid Operations Center.*
  - *Infrastructure Monitorization.*
  - *CIC On Duty: COD.*
  - *Global Grid User Support: GGUS.*
  - *Accounting.*
  - *Production infrastructure.*
  - *Pre-production and middleware certification tests.*
  - *Global Virtual Organizations.*
- **Local operation and management:**
  - *Regional site certification and monitoring.*
  - *Site administration and user support.*
  - *Regional Virtual Organization.*
  - *Authentication and authorization.*
- **References.**

- **EGEE: 92 partners in 32 countries:**
- **+230 institutions (Resource Centers: RC's) in 50 countries.**
  - Integrates National and Regional Grids.
- **High coordination effort:**
  - Split into 12 Federations (comprises 1 or more countries), each with one Regional Operation Center (ROC's).



Real Time Monitor



Image © 2007 NASA  
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Pointer lat 55.471342 lon -0.780143

Streaming 100%

Eve alt 5601.41 km

- Members are Portugal and Spain.
- Distributed ROC:
  - LIP Lisbon is the Portuguese partner
  - CESGA, CSIC (IFCA and IFIC), PIC, RED.ES and TID are the Spanish partners.



- 15 certified RC's (sites): 13 Spanish, 2 Portuguese.
- 3 candidate sites from Portugal (more expected soon).

# Real Time Monitor: SWE Federation



- **ROC-SWE operations and tasks are distributed among those partners:**
  - Certification of new sites:
    - *Support in the integration into the infrastructure.*
  - Negotiation of Service Level Agreements (SLA's) between RC's and VO's.
  - Represent the federation in high level bodies of EGEE:
    - *Escalate requests, problems, issues, etc., found by individual sites.*
  - Operate essential core services:
    - *RB's, LFC's, top BDII's, VOMS servers, etc..*
  - Provide monitoring, support and operational troubleshooting services.

- **GOC: Grid Operations Center:**
  - Monitoring.
  - Accounting (*See Pablo Rey's presentation at this conference*).
  - GOC Portal: Database with sites operational information, site administrators, contacts, services provided, etc.
- **CIC Operations Portal (and CIC On Duty COD).**
- **Global Grid User Support: GGUS.**



## SAM:

- 1 job submission per site and per hour.
- Check basic functionality, such as the ability to run jobs, store and replicate files, among other tests.
- History of all tests are kept in a DB and can be viewed per site basis.

show ops critical tests  
 Sort by:

<input checked="" type="checkbox"/>	OK	normal status	13
<input checked="" type="checkbox"/>	INFO	useful information	0
<input checked="" type="checkbox"/>	NOTE	important information	0
<input checked="" type="checkbox"/>	WARN	subject may fail soon	0
<input checked="" type="checkbox"/>	ERROR	subject has failed and problem is localized	2
<input checked="" type="checkbox"/>	CRIT	subject has failed and problem is fatal	0
<input checked="" type="checkbox"/>	MAINT	subject is under maintenance	1

ver	<a href="#">Software Version (WN)</a>	CT
wn	<a href="#">WN host name</a>	
ca	<a href="#">CA certs version</a>	CT
rgma	<a href="#">R-GMA</a>	
bi	<a href="#">BrokerInfo</a>	CT
csd	<a href="#">CSH test</a>	CT
rm	<a href="#">Replica Management</a>	CT
swdir	<a href="#">VO software directory</a>	

No	RegionName	SiteName	NodeName	Status	ops									
					js	ver	wn	ca	rgma	bi	csd	rm	swdir	
1	SouthWesternEurope	<a href="#">CESGA-EGEE</a>	<a href="#">ce2.egee.cesga.es</a>	OK	ok	<a href="#">3.0.2</a>	info	ok	ok	ok	ok	ok	ok	
2	SouthWesternEurope	<a href="#">CIEMAT-LCG2</a>	<a href="#">lcg02.ciemat.es</a>	OK	ok	<a href="#">3.0.2</a>	info	ok	error	ok	ok	ok	ok	
3	SouthWesternEurope	<a href="#">CNB-LCG2</a>	<a href="#">mallarme.cnb.uam.es</a>	OK	ok	<a href="#">3.0.2</a>	info	ok	ok	ok	ok	ok	ok	
4	SouthWesternEurope	<a href="#">ESA-ESAC</a>	<a href="#">esacgrid09.esac.esa.int</a>	OK	ok	<a href="#">3.0.2</a>	info	ok	ok	ok	ok	ok	ok	
5	SouthWesternEurope	<a href="#">IFCA-LCG2</a>	<a href="#">egeece01.ifca.es</a>	ERROR	error	<a href="#">3.0.2</a>	info	ok	ok	ok	ok	ok	ok	
6	SouthWesternEurope	<a href="#">IFIC-LCG2</a>	<a href="#">ce01.ific.uv.es</a>	OK	ok	<a href="#">3.0.2</a>	info	ok	ok	ok	ok	ok	ok	
7	SouthWesternEurope	<a href="#">IFIC-LCG2</a>	<a href="#">lcg2ce.ific.uv.es</a>	OK	ok	<a href="#">3.0.2</a>	info	ok	error	ok	ok	ok	ok	
8	SouthWesternEurope	<a href="#">LIP-Lisbon</a>	<a href="#">ce02.lip.pt</a>	OK	ok	<a href="#">3.0.2</a>	info	ok	error	ok	ok	ok	ok	
9	SouthWesternEurope	<a href="#">UAM-LCG2</a>	<a href="#">grid003.ft.uam.es</a>	OK	ok	<a href="#">3.0.2</a>	info	ok	error	ok	ok	ok	ok	
10	SouthWesternEurope	<a href="#">UB-LCG2</a>	<a href="#">lcg-ce.ecm.ub.es</a>	OK	ok	<a href="#">3.0.2</a>	info	ok	error	ok	ok	ok	ok	
11	SouthWesternEurope	<a href="#">UPV-GRyCAP</a>	<a href="#">ramses.dsic.upv.es</a>	OK	ok	<a href="#">3.0.2</a>	info	ok	ok	ok	ok	ok	ok	
12	SouthWesternEurope	<a href="#">UPorto</a>	<a href="#">zephyr.up.pt</a>	MAINT	maint	<a href="#">3.0.2</a>	info	ok	ok	ok	ok	error	ok	
13	SouthWesternEurope	<a href="#">USC-LCG2</a>	<a href="#">lcg-ce.usc.cesga.es</a>	OK	ok	<a href="#">3.0.2</a>	info	ok	ok	ok	ok	ok	ok	
14	SouthWesternEurope	<a href="#">ifae</a>	<a href="#">ifaece01.pic.es</a>	ERROR	ok	<a href="#">3.0.2</a>	info	ok	ok	ok	ok	error	ok	
15	SouthWesternEurope	<a href="#">pic</a>	<a href="#">ce06.pic.es</a>	OK	ok	<a href="#">3.0.2</a>	info	ok	error	ok	ok	ok	ok	
16	SouthWesternEurope	<a href="#">pic</a>	<a href="#">ce07.pic.es</a>	OK	ok	<a href="#">3.0.2</a>	info	ok	error	ok	ok	ok	ok	

## SAM:

- 1 job submission per site and per hour.
- Check basic functionality, such as the ability to run jobs, store and replicate files, among other tests.
- History of all tests are kept in a DB and can be viewed per site basis.

## GIIS monitor.

- Checks the information published by all sites:
- Updated every 5 minutes.

	sites	countries	totalCPU	freeCPU	runJob	waitJob	seAvail TB	seUsed TB	maxCPU	avgCPU
<b>Total</b>	<b>237</b>	<b>50</b>	<b>36587</b>	<b>14388</b>	<b>18911</b>	<b>158356</b>	<b>13932.32</b>	<b>10182.05</b>	<b>41161</b>	<b>36672</b>

### Global Grid Tests

Service Duplicate Check: .

No duplicates found

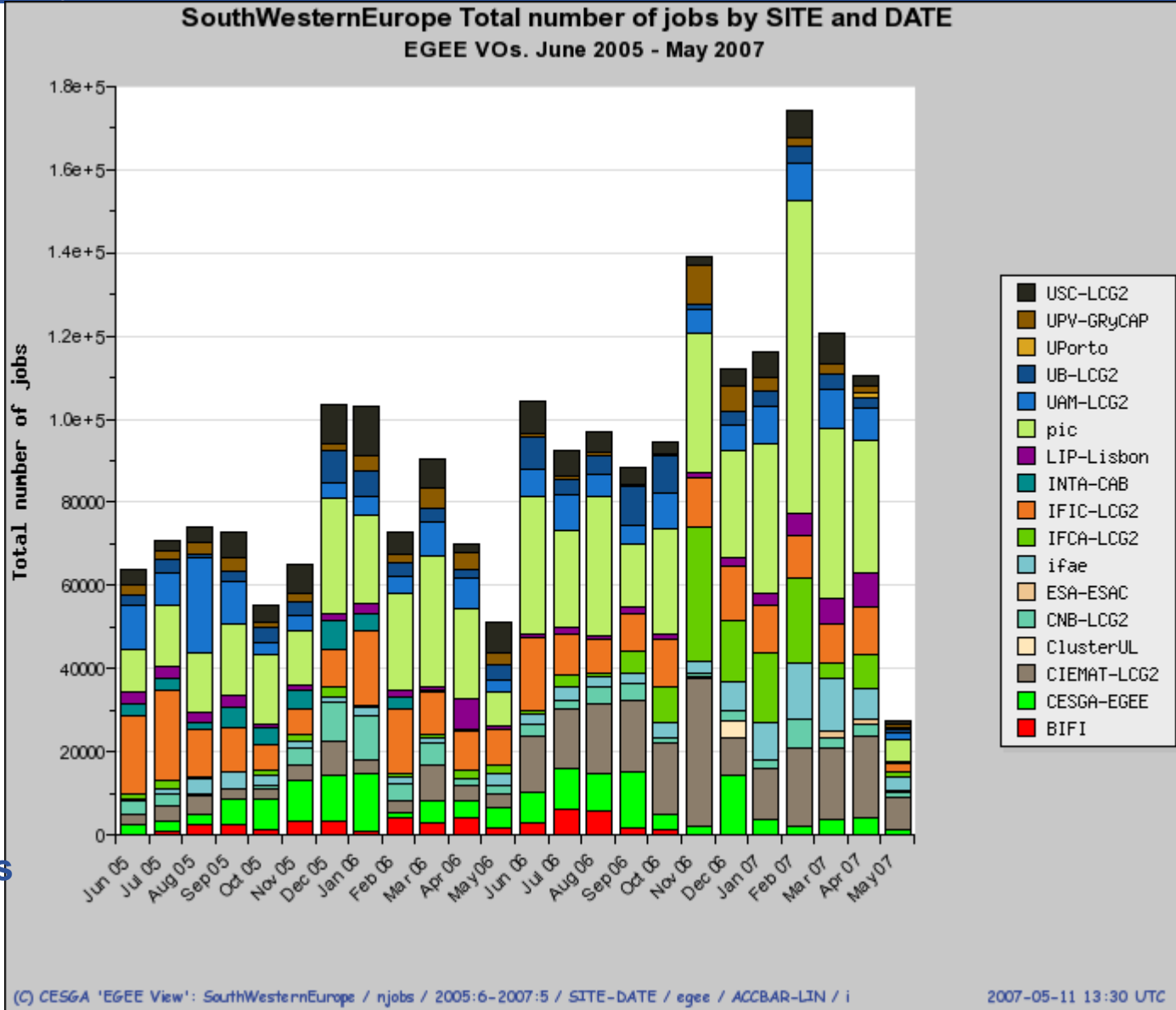
#### Color Legend

<b>GSTAT</b>	. OK	. INFO	. NOTE	. WARN	. ERROR	. CRIT	. MAINT	. OFF
<b>SFT</b>	. OK	. .	. .	. WARN	. ERROR	. CRIT	. SchedDown	. .

Site List, sort by: [siteName](#) [domain](#) [maxcpu](#) [status](#)

No	Site Reports	GIIS Host	bnode	cernse	gperf	sanity	serv	serEntry	version	sclust	totalCPU	freeCPU	runJob	waitJob	seAvail TB	seUsed TB	maxCPU
1	<a href="#">AEGIS01-PHY-SCL</a>	ce.phy.bg.ac.yu	ok	ok	ok	ok	ok	ok	GLITE-3 0 2	ScientificSL 4.4	100	60	37	16	0.04	0.09	100
2	<a href="#">ALBERTA-LCG2</a>	lcgce02.nic.ualberta.ca	↓	↓	ok	ok	ok	ok	GLITE-3 0 0	Scientific Linux 3.0.5	0	0	0	13332	3.46	2.37	170
3	<a href="#">AMD64-PSNC.PL</a>	fangorn.man.poznan.pl	↓	↓	ok	ok	ok	ok	GLITE-3 0 2	SUSE LINUX 9.3	186	56	0	35552	4.26	0.25	186
4	<a href="#">Australia-UNIMELB-LCG2</a>	lcg-compute.hpc.unimelb.edu.au	↓	↓	ok	ok	ok	ok	GLITE-3 0 0	Scientific Linux 3.0.7	29	16	13	0	9.35	1.28	36
5	<a href="#">AUVERGRID</a>	obsauvergridce01.univ-bpclermont.fr	↓	↓	ok	ok	ok	ok	GLITE-3 0 0	Scientific Linux 3.0.5	54	1	53	7	11.04	0.06	56
6	<a href="#">BEgrid-KULeuven</a>	kg-ce01.cc.kuleuven.ac.be	↓	↓	ok	ok	ok	ok	LCG-2 7 0	Scientific Linux 3.0.5	26	26	0	0	0.59	0.04	26
7	<a href="#">BEgrid-UGent</a>	gridce.atlantis.ugent.be	↓	↓	ok	ok	ok	ok	GLITE-3 0 0	Scientific Linux 4.4	216	68	93	93	0.18	0.18	217
8	<a href="#">BEgrid-ULB-VUB</a>	gridce.ihe.ac.be	↓	↓	ok	ok	ok	warn	LCG-2 7 0	Scientific Linux 3	122	10	0	44440	4.52	24.46	124
9	<a href="#">BEIJING-CNIC-LCG2-IA64</a>	ce-lcg.sdj.ac.cn	↓	↓	ok	ok	ok	ok	LCG-2 7 0	Scientific Linux CERN 3.0.4	32	27	1	0	0.01	0.10	32
10	<a href="#">BEIJING-LCG2</a>	lcg002.ihep.ac.cn	ok	ok	ok	ok	ok	ok	GLITE-3 0 0	Scientific Linux 3.0.8	28	28	0	0	1.39	1.57	28
11	<a href="#">BelGrid-UCL</a>	ingrid.cism.ucl.ac.be	↓	↓	ok	ok	ok	ok	GLITE-3 0 0	Scientific Linux 3.0.8	73	73	3	0	15.62	8.78	73
12	<a href="#">BG-INSRNE</a>	ce1.inrme.bas.bg	ok	ok	ok	ok	ok	ok	GLITE-3 0 2	Scientific Linux 3.0.4	27	27	2	0	0.86	0.00	27
13	<a href="#">BG01-IPP</a>	ce002.ipp.acad.bg	↓	↓	ok	ok	ok	ok	GLITE-3 0 2	Scientific Linux 3.0.5	10	6	4	62	0.88	0.12	10
14	<a href="#">BG02-IM</a>	ce001.imbm.bas.bg	↓	↓	ok	ok	ok	ok	GLITE-3 0 2	Scientific Linux 3.0.5	16	10	6	25	0.02	0.03	16
15	<a href="#">BG04-ACAD</a>	ce02.grid.acad.bg	↓	↓	ok	ok	ok	ok	GLITE-3 0 2	Scientific Linux 3.0.8	80	27	53	109	2.20	0.08	80
16	<a href="#">BG05-SUGrid</a>	ce001.grid.uni-sofia.bg	↓	↓	ok	ok	ok	ok	GLITE-3 0 0	Scientific Linux CERN 3.0.8	26	21	5	0	0.02	0.05	26

- Allows to check the resources used by each VO.
- Essential for the SLA's.
- Plot shows the number of jobs as a function of time in each SWE RC.
- EGEE Accounting portal hosted at CESGA
- CESGA coordinates the accounting enforcement task in EGEE.
- (More on Pablo Rey's presentation.)



## • GOCDB:

- Contains information about all sites.
- Site generic information, site administrators contacts and roles, node types.
- Ability to schedule downtime or maintenance.
- The ROC-SWE managers and deputies:
  - Can add new Portuguese and Spanish sites.
  - Set the status of sites (certification).

## GOCDB

**Actions**

All GOCDB sites:

GOCDB sites in your scope:

Search sites:

- [View all sites sorted by ROC](#)
- [Edit your personal profile](#)
- [Grant other users roles to your site\(s\)](#)
- [Register a new site](#)
- [ROC Management page](#)
- [Approve pending GOCDB user requests](#)
- [Check global monitoring status](#)


**Your roles:**

- ROC Deputy - SouthWesternEurope
- Site Manager - PPS-LIP
- Site Manager - LIP-Lisbon
- Primary Site Manager - LIP-Lisbon

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DB system and web

### LIP-Lisbon

<p><b>Status:</b> Certified <a href="#">[Click here to view status history]</a></p> <p><b>Type:</b> Production</p> <p><b>ROC:</b> SouthWesternEurope</p> <p><b>Site local time (BST):</b> 18:38 (03/05/07)</p> <p><b>Official Name:</b> LIP, Lisbon, Portugal</p> <p><b>Map Name:</b> LIP</p> <p><b>Institution / Department Homepage:</b> <a href="http://www.lip.pt">http://www.lip.pt</a></p> <p><b>Site email:</b> <a href="mailto:grid_admin@lip.pt">grid_admin@lip.pt</a></p> <p><b>Site telephone:</b> +351 217973880</p> <p><b>Emergency telephone:</b> +351 217973880</p> <p><b>CSIRT email:</b> <a href="mailto:grid_security@lip.pt">grid_security@lip.pt</a></p> <p><b>CSIRT telephone:</b> +351 217973880</p> <p><b>Operational hours:</b> 0930-1930 (BST)</p> <p><b>GIIS URL:</b> <a href="ldap://ce02.lip.pt:2170/mds-vo-name=LIP-Lisbon,o=grid">ldap://ce02.lip.pt:2170/mds-vo-name=LIP-Lisbon,o=grid</a></p> <p><b>Organisation:</b> LCG2</p> <p><b>Firewall:</b> 0.0.0.0/255.255.255.255</p>	<div style="border: 1px solid black; padding: 5px; display: inline-block; margin-bottom: 10px;">  MONITORING: ON                 </div> <p style="text-align: right;"><a href="#">Edit site information</a></p>
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- Management and operation: ROC's, RC's and VO's.
- Dashboard: Monitoring and alerting system of the infrastructure.
  - Uses the GOC monitoring portal.
- One team from Telefonica I+D performs the task of monitoring the Grid infrastructure and open GGUS tickets to sites with problems.
- 11 teams rotate in a weekly basis to perform this task.

The screenshot shows the CIC Operations Portal interface. At the top, there are navigation links: CIC Home | EGEE Home | EGEE Intranet | Glossary. The main header includes the CCIN2P3 logo and the title 'CIC OPERATIONS PORTAL'. Below the header is a navigation bar with tabs: HOME, VO Users, VO management, RC management, and COD m.

The 'WHAT'S NEW?' section contains a message: 'You'll find at the top of each section homepage a summary of new available features and recent improvements.' Below this is a link 'About this portal' and a 'Welcome to CIC portal version 4.2!' message with a release note: 'This version has been released on 02/04/2007. View Release Note: CICPortal\_release\_note\_V-4.2.txt'.

The 'New alarms (4)' table is as follows:

ID	Test	Node	Site	Region	Execution Time (UTC)	Weight	Last status	Notification
28996	SRM-put	grid002.ft.uam.es	UAM-LCG2	SouthWesternEurope	09:09:28	31401	error	subscription
29097	RGMA-host-cert-valid	apis.ds.ic.upv.es	UPV-GRYCAP	SouthWesternEurope	13:30:12	20400	error	subscription
28863	SE-lcg-cr	grid002.ft.uam.es	UAM-LCG2	SouthWesternEurope	08:48:15	11401	error	subscription
29106	SE-lcg-cr	nephthys.ds.ic.upv.es	UPV-GRYCAP	SouthWesternEurope	13:49:31	11400	error	subscription

Generally there are less than 10 tickets per week assigned to the SWE sites. Average solution time are between 1 and to 2 days

Assigned alarms (7)

ID	Test	Node	Site	Execution Time (UTC)	Update Time (UTC)	Weight	Last status	Ticket
28732	LFC-Is	esacgrid06.esac.esa.int	ESA-ESAC	08:22:14	08:42:59	40400	ok	4630
28728	RGMA-host-cert-valid	mon01.lip.pt	LIP-Lisbon	08:28:15	08:48:27	20403	ok	4632
28721	RGMA-host-cert-valid	mon01.pic.es	pic	08:26:13	08:50:52	20402	error	4633
28898	SE-lcg-cr	caslorsrm.ciemat.es	CIEMAT-LCG2	08:52:09	08:59:43	11403	ok	4636
28274	CE-stf-job	ce02.lip.pt	LIP-Lisbon	2007-05-08 22:15:59	2007-05-09 08:13:32	10403	ok	4602
28659	CE-stf-lcg-rm	grid003.ft.uam.es	UAM-LCG2	04:16:15	10:27:38	10401	error	4649
28414	CE-stf-job	log-oe.ecm.ub.es	UB-LCG2	2007-05-09 18:17:33	2007-05-10 10:58:48	10401	ok	4614

- **Trouble ticketing system: global support for users and site administrators.**
- **First line support is performed by the Ticket Processing Manager (TPM).**
- **Used by the COD team to open tickets on sites with problems.**
- **Two TPM teams (from a total of 14). One from LIP Lisbon and another from IFIC and IFCA.**
- **The typical number of tickets opened per week in GGUS are between 80 and 90.**

Ticket ID:

Support Unit:

VO:

User:

Keyword:

Involved supporter:

Assigned to person:

Special attributes (TPM/ENOC/WIKI):

Status:

Priority:

Type of problem:

Order tickets by:

Timeframe:

All tickets from:

to:

Untouched since:

[new search with default values](#)

[Old search engine](#)

**282 Tickets found**

TicketID	Virt. Org.	Resp. Unit	Status	Date	Info
21823	dteam	TPM	new	2007-05-11	GridView : http://gridview.cern.ch/GRIDVIEW/same_...
21820	other	TPM	in progress	2007-05-11	Authorisation problem
21812	atlas	TPM	assigned	2007-05-11	Problem with atlas VO
21803	dteam	ROC_Italy	assigned	2007-05-11	Security Service Challenge (SSC_2) for ROC_Italy/...
21776	dteam	ROC_Italy	assigned	2007-05-11	Security Service Challenge (SSC_2) for ROC_Italy/...
21767	none	DPM	assigned	2007-05-10	dpm_seterrbuf() can cause problems
21761	none	ROC_CERN	in progress	2007-05-10	Sam and GlueCEAccessControlBase
21755	alice	Installation and Configuration/New Release	assigned	2007-05-10	myproxy-info take a long time and fails
21748	none	ROC_SW	in progress	2007-05-10	Bad storage size advertised?
21747	none	ROC_Italy	in progress	2007-05-10	Bad storage size advertised?
21745	none	ROC_CE	in progress	2007-05-10	Bad storage size advertised?
21744	none	TPM	in progress	2007-05-10	Bad storage size advertised?
21735	ops	GridView	assigned	2007-05-10	GridView: availability for FZK 7-8.5. needs to be...
21731	none	DPM	assigned	2007-05-10	dpm_getpools() never returns if DPM isn't running
21729	dteam	DPM	assigned	2007-05-10	DPM 1.6.3 : dpm-drain unable to drain a filesystem
21728	atlas	ROC_North	assigned	2007-05-10	dq2_get times out when retrieving files from NDGFD...
21726	other	ROC_France	in progress	2007-05-10	failure of auger jobs at grid10.lal.in2p3.fr:2119/...
21723	dteam	ROC_Asia/Pacific	in progress	2007-05-10	FTS transfer - SRM problem on site TAIWAN-LCG2
21715	cms	VOSupport	assigned	2007-05-09	Fermi/Remedy - 96927 - user Vincenzo Miccio submit...

- **Federation resources:**
  - 16 Computing Elements → ~1800 CPU's.
  - 19 Storage Elements → ~90TB (disk) ~300TB (MSS).
  - Supporting more than 30 VO's (both global and regional).
- **Core services (are distributed among RC's):**
  - 8 Resource Brokers: BIFI, CESGA, IFCA, 2 @IFIC, LIP and 2 @UAM
  - 5 top BDII (Information Index): BIFI, IFCA, IFIC, LIP and PIC
  - 2 LFC (central file catalogs): LIP and PIC
  - 4 MyProxy servers: IFCA, IFIC, LIP and PIC
  - 2 VOMS servers: IFIC and LIP
  - 1 FTS (File Transfer Service): hosted at PIC Tier1.

- **Testing new releases and patches of the middleware:**
  - *Done deployment into the production infrastructure.*
- **Strong commitment:**
  - 5 ROC-SWE sites (out of a total of 28).
- **Procedures for PPS are:**
  - Deployment of new release within 3 working days after announcement.
  - Site administrators feedback to integration team and developers.
  - If deployment and first testing is successfully, the infrastructure is opened to application users for general testing.
  - After about 2 weeks in the PPS check if the release can be “safely” deployed into the production infrastructure.
- **Coordination of a task force to pre test the new releases for the PPS: LIP, CESSGA and IFIC.**
- **Development and Integration work:**
  - Coordination and strong commitment for the integration of “*Sun Grid Engine*” batch system into the middleware, and subsequent support. (*Gonçalo Borges talk at this conference*): LIP and CESSGA
  - Certification and development of a test-suite for the “Wokload Management System”: IFIC.



## Global EGEE VO:

- The ROC SWE hosts and manages the "fusion" VO.
- The VO membership is managed by BIFI (Zaragoza).
- The VOMS server is hosted at CSIC-IFIC (Valencia).
- More than 30 members from UK, Ireland, Italy, France, Russia and Spain.


Virtual Organization Membership Service

The fusion VO
Administration » Users » List of users

ADMINISTRATION

USERS

LIST OF USERS

SEARCH FOR USERS

CREATE A NEW VO USER

GROUPS

LIST OF GROUPS

SEARCH FOR GROUPS

CREATE A NEW GROUP

ROLES

LIST THE ROLES

SEARCH FOR ROLES

ADD A NEW ROLE

GLOBAL ACL

There are 33 users in /fusion :

<a href="#">/C=ES/O=DATAGRID-ES/O=BIFI/CN=Isabel Campos Plasencia</a>	<a href="#">edit</a>	<a href="#">remove</a>	<a href="#">manage attributes</a>
<a href="#">/C=ES/O=DATAGRID-ES/O=BIFI/CN=Alfonso Tarancon Lafita</a>	<a href="#">edit</a>	<a href="#">remove</a>	<a href="#">manage attributes</a>
<a href="#">/C=ES/O=DATAGRID-ES/O=BIFI/CN=Jose Miguel Reynolds Barredo</a>	<a href="#">edit</a>	<a href="#">remove</a>	<a href="#">manage attributes</a>
<a href="#">/C=ES/O=DATAGRID-ES/O=BIFI/CN=Jose Luis Velasco Garasa</a>	<a href="#">edit</a>	<a href="#">remove</a>	<a href="#">manage attributes</a>
<a href="#">/C=ES/O=DATAGRID-ES/O=BIFI/CN=Ruben Valles Perez</a>	<a href="#">edit</a>	<a href="#">remove</a>	<a href="#">manage attributes</a>
<a href="#">/C=ES/O=DATAGRID-ES/O=BIFI/CN=Guillermo Losilla Anadon</a>	<a href="#">edit</a>	<a href="#">remove</a>	<a href="#">manage attributes</a>
<a href="#">/C=ES/O=DATAGRID-ES/O=BIFI/CN=Luis Antonio Fernandez Perez</a>	<a href="#">edit</a>	<a href="#">remove</a>	<a href="#">manage attributes</a>
<a href="#">/C=KR/O=KISTI/OU=NFRC/CN=Insik Choi</a>	<a href="#">edit</a>	<a href="#">remove</a>	<a href="#">manage attributes</a>
<a href="#">/O=GRID-FR/C=FR/O=CEA/OU=DRFC/CN=Bernard Guillerminet</a>	<a href="#">edit</a>	<a href="#">remove</a>	<a href="#">manage attributes</a>
<a href="#">/C=ES/O=DATAGRID-ES/O=BIFI/CN=Andres Cruz Flor</a>	<a href="#">edit</a>	<a href="#">remove</a>	<a href="#">manage attributes</a>
<a href="#">/DC=es/DC=irisgrid/O=ucm/CN=joseluis.vazquez</a>	<a href="#">edit</a>	<a href="#">remove</a>	<a href="#">manage attributes</a>
<a href="#">/DC=es/DC=irisgrid/O=ucm/CN=ruben.santiago</a>	<a href="#">edit</a>	<a href="#">remove</a>	<a href="#">manage attributes</a>
<a href="#">/DC=es/DC=irisgrid/O=ucm/CN=eduardo.huedo</a>	<a href="#">edit</a>	<a href="#">remove</a>	<a href="#">manage attributes</a>
<a href="#">/C=UK/O=eScience/OU=Culham/L=IT/CN=krishan.purahoo</a>	<a href="#">edit</a>	<a href="#">remove</a>	<a href="#">manage attributes</a>
<a href="#">/O=GRID-FR/C=FR/O=CEA/OU=DAPNIA/CN=Selim Seddiki</a>	<a href="#">edit</a>	<a href="#">remove</a>	<a href="#">manage attributes</a>
<a href="#">/O=GRID-FR/C=FR/O=CEA/OU=DAPNIA/CN=Pierrick Micout</a>	<a href="#">edit</a>	<a href="#">remove</a>	<a href="#">manage attributes</a>
<a href="#">/C=IT/O=INFN/OU=Personal Certificate/L=ENEA-INFO/CN=Giovanni Bracco</a>	<a href="#">edit</a>	<a href="#">remove</a>	<a href="#">manage attributes</a>
<a href="#">/C=IT/O=INFN/OU=Personal Certificate/L=ENEA-INFO/CN=Carlo Scio</a>	<a href="#">edit</a>	<a href="#">remove</a>	<a href="#">manage attributes</a>
<a href="#">/C=UK/O=eScience/OU=Culham/L=IT/CN=sven.wiesen</a>	<a href="#">edit</a>	<a href="#">remove</a>	<a href="#">manage attributes</a>
<a href="#">/DC=es/DC=irisgrid/O=ucm/CN=rafael.gil</a>	<a href="#">edit</a>	<a href="#">remove</a>	<a href="#">manage attributes</a>
<a href="#">/C=UK/O=eScience/OU=Culham/L=IT/CN=antti.salmi</a>	<a href="#">edit</a>	<a href="#">remove</a>	<a href="#">manage attributes</a>

- **The procedures for new sites to integrate the Grid infrastructure are:**
  - RC responsible of the new site should contact the ROC SWE operations partners:
    - *LIP for Portuguese sites, and PIC for Spanish sites.*
  - ROC provides all information and documentation needed to start the installation of the site.
    - *Administration support is provided by e-mail, through the help-desk or personally.*
  - ROC performs all tests necessary for a fully functional site.
    - *In a successful case, the site can be added and tagged as certified in the GOCDB, which means final integration in the Grid infrastructure.*
  - From here on, it's the site administrator responsibility to monitor and manage the local infrastructure.
    - *If COD tickets are opened for the site, they should be taken care of with high priority asking for ROC help if needed.*

- **Helpdesk hosted at IFIC:**
  - First line support for local grid users and site administrators.
  - Allows to tag and solve local/regional problems.
  - Interfaced to GGUS:
    - Problems raised by local users can be escalated to GGUS.
    - External users can assign GGUS tickets in case of problems related to SWE sites.
- **Support is also provided through regional mailing lists.**

You are logged in as Mario David ( [home](#) | [control panel](#) )

[EGEE-SA1-SWE](#) > [SERVICES](#) > [Support](#) > SWEdesk System

ID	GGUS ID	Site	supporter	Short Description	User	Priority	Created	Status	Time
745	21746	pic	log.support@pic.es	<a href="#">Bad storage size advertised?</a>	Goncalo Borges	less urgent	10/05/07	<a href="#">assigned</a>	
744	21748	IFIC-LOG2	log.support@ific.uv.es	<a href="#">Bad storage size advertised?</a>	Goncalo Borges	less urgent	10/05/07	<a href="#">assigned</a>	
743	21732	UB-LOG2	Ricardo Graciani Diaz	<a href="#">CE failure on lq-08.ecm.uv.es (UB-LOG2)</a>	cicuser	urgent	10/05/07	<a href="#">assigned</a>	
736	21167	pic	log.support@pic.es	<a href="#">gCE failure on ce05.pic.es (pic)</a>	cicuser	urgent	25/04/07	<a href="#">in progress</a>	
732	21069	GGUS	amorces@ific.uv.es	<a href="#">[PPS] gLite job submission problem at q01.ific.uv.es</a>	alessandro paolini	very urgent	23/04/07	<a href="#">assigned</a>	
724	20872	pic	log.support@pic.es	<a href="#">FTS transfer - SRM problem on site PIC</a>	Sara Berbooo	urgent	17/04/07	<a href="#">in progress</a>	
633	17931		Goncalo Borges	<a href="#">Problem with dcache</a>	Stanislav Spasov	top priority	29/01/07	<a href="#">waiting for reply</a>	
608	15337	LIP-Lisbon	grid.admin@lip.pt	<a href="#">job managers make the CE hang</a>	Helene Cordier	very urgent	08/11/06	<a href="#">waiting for reply</a>	

Search Results: 8 Tickets

EGEE-SA1-SWE Partners: [LIP](#) | [CIEMAT](#) | [CSIC](#) | [IFCA](#) | [IFIC](#) | [PIC](#) | [TID](#) | [RED.ES](#) | [CESGA](#) | [BIFI](#)



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EGEE-SA1-SWE Web Page Created by [IFCA](#)

Created by [IFIC](#)

- **Regional VO: “swetest”:**
  - Intended for:
    - Testing purposes.
    - New users: not members of EGEE that want to start learning and testing their applications on the Grid environment.
  - LIP is the contact point for new Portuguese users and IFIC or PIC for new Spanish users.
  - There are presently 34 members of this VO.
- **Local (institutional VO):**
  - There are some institutes which operate local VO's intended solely for local users.



## Virtual Organization Membership Service

The sweetest VO

Request to Administrators » requesting VO membership

REQUEST TO ADMINISTRATORS

REQUESTING VO MEMBERSHIP

LISTING REQUESTS

CONFIRMATION OF THE EMAIL ADDRESS

### VO User Registration Request

To access the VO resources, you must agree to the VO's Usage Rules. Please fill out all fields in the form below and click on the appropriate button at the bottom.

After you submit this request, you will receive an email with instructions on how to proceed. Your request will not be forwarded to the VO managers until you confirm that you have a valid email address by following those instructions.

**IMPORTANT:** By submitting this information you agree that it may be distributed to and stored by VO and site administrators. You also agree that action may be taken to confirm the information you provide is correct, that it may be used for the purpose of controlling access to VO resources and that it may be used to contact you in relation to this activity.

DN: /C=PT/O=LIPCA/O=LIP/OU=Lisboa/CN=Mario David

CA: /C=PT/O=LIPCA/CN=LIP Certification Authority

CA URI: <http://ca.lip.pt/crl/crl.pem>

Family Name:

Given Name:

Institute:

Phone Number:

Email:

comment:

- **In order to be members of a VO, the user has to “own” a valid X.509 certificate:**
  - This certificate “acts” as the “*identity card*” of the user on the Grid environment.
- **The issuance of signed certificates is done by the Certification Authorities (CA's):**
  - There are typically one CA per country.
  - The Portuguese CA is operated by LIP.
  - The Spanish CA is operated by PK-IRIS GRID.
- **The CA's are members of a global entity called “IGTF”:**
  - establishes the best practices to enable common trust of end users and resource owners.
- **One step to promote Grid technologies and their use by academic institutes, is costless certificates.**

- <http://www.eu-egee.org/>
- <http://lcg.web.cern.ch/lcg/>
- <http://grid.ifca.unican.es/egee-sa1-swe/>
- <http://goc.grid-support.ac.uk/gridsite/gocmain/>
- <https://lcg-sam.cern.ch:8443/sam/sam.py>
- <http://goc.grid.sinica.edu.tw/gstat/>
- <https://gus.fzk.de/pages/home.php>
- <http://swegus.ific.uv.es/helpdesk/>
- <http://swevo.ific.uv.es/vo/index.html>
- <http://ca.lip.pt> and <https://ca.lip.pt>
- <http://www.irisgrid.es/pki/>
- EGEE project
- LCG project
- ROC-SWE
- Central GOC portal
- SAM tests web portal
- GUIS monitor
- GGUS ticket system.
- ROC SWE Helpdesk
- “swetest” VOMS server
- Portuguese CA
- Spanish CA