

**EGI Training for AEGIS Site Administrators  
Institute of Physics Belgrade**

## EGI Grid Operations Tools and Procedures

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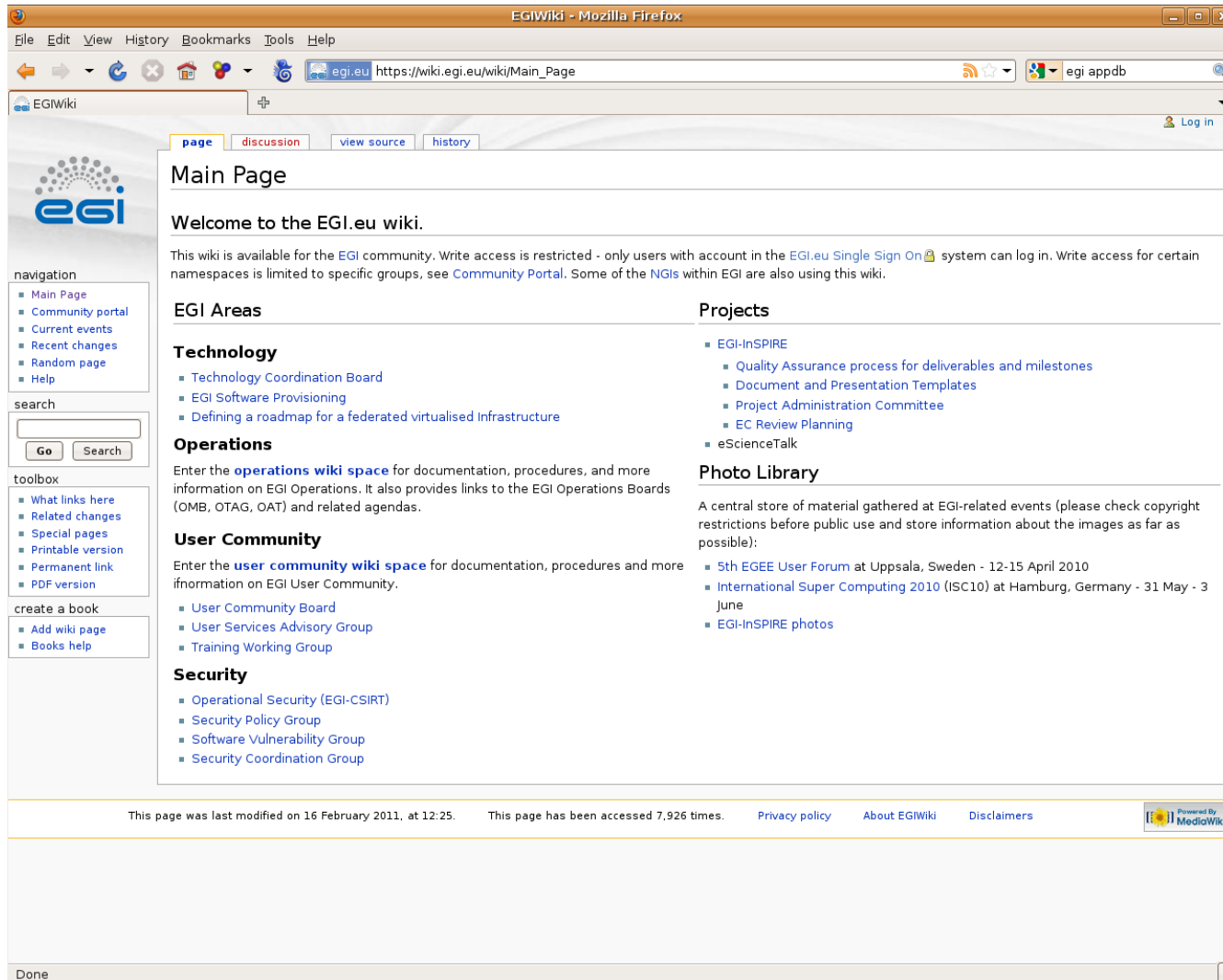
- Phasing out of EGEE Grid name
- Decommission of gridops.org
- Procedures
- EGI Wiki
- GOCDB
- CIC portal
- Operational dashboard
- GGUS
- GStat
- EGI Applications Database (AppDB)

- EGEE Grid name needs to be decommissioned (and replaced by EGI)
- Instructions are available at:  
[https://wiki.egi.eu/wiki/MAN1\\_How\\_to\\_publish\\_Site\\_Information](https://wiki.egi.eu/wiki/MAN1_How_to_publish_Site_Information)
- All AEGIS sites need to change published information

- All gridops.org addresses will be decommissioned on March 14th 2011
- cic.gridops.org (old CIC portal)
- goc.gridops.org (GOCDDB)
- gstat.gridops.org (gstat)
- lcg-sam.gridops.org (old SAM portal))

- Most of the EGI procedures are still drafts
- Service intervention procedure (approved):
  - [https://wiki.egi.eu/wiki/MAN02\\_Service\\_intervention\\_management](https://wiki.egi.eu/wiki/MAN02_Service_intervention_management)
- NGIs and Sites Operations manual (draft):
  - <https://wiki.egi.eu/wiki/Operations:NGISandSitesOPSmanual>
- Site registration and certification procedure (draft):
  - <https://wiki.egi.eu/wiki/SiteCertMan>
- Availability and reliability targets – 70% and 77%
  - [https://wiki.egi.eu/wiki/Availability\\_and\\_reliability\\_monthly\\_statistics](https://wiki.egi.eu/wiki/Availability_and_reliability_monthly_statistics)

- EGI CSIRT Wiki:
  - [https://wiki.egi.eu/wiki/EGI\\_CSIRT:Main\\_Page](https://wiki.egi.eu/wiki/EGI_CSIRT:Main_Page)
- EGI security incident and vulnerability issue handling procedure:
  - <https://documents.egi.eu/public/ShowDocument?docid=47>
- Each site must have Site security officer role
  - The site-security-contacts mailing list is automatically populated with \*Site security officers\* email address via GOCDB
  - EGI CSIRT Pakiti (<https://pakiti.egi.eu>) access is based on the certificate of NGI security officers and site security officers
  - Site security officer can only see the result of his/her site



The screenshot shows the EGI Wiki Main Page in a Mozilla Firefox browser window. The browser title is "EGIWiki - Mozilla Firefox" and the address bar shows "https://wiki.egi.eu/wiki/Main\_Page". The page content includes a navigation sidebar on the left with sections for navigation, search, toolbox, and create a book. The main content area features a "Main Page" heading, a welcome message, and several sections: EGI Areas (Technology, Operations, User Community, Security), Projects, and Photo Library. The footer contains modification and access statistics, a privacy policy link, and a "Powered By MediaWiki" logo.

**Navigation:**

- Main Page
- Community portal
- Current events
- Recent changes
- Random page
- Help

**Search:**

Go Search

**Toolbox:**

- What links here
- Related changes
- Special pages
- Printable version
- Permanent link
- PDF version

**Create a book:**

- Add wiki page
- Books help

**Main Page**

Welcome to the EGI.eu wiki.

This wiki is available for the EGI community. Write access is restricted - only users with account in the EGI.eu Single Sign On system can log in. Write access for certain namespaces is limited to specific groups, see [Community Portal](#). Some of the NGIs within EGI are also using this wiki.

**EGI Areas**

**Technology**

- Technology Coordination Board
- EGI Software Provisioning
- Defining a roadmap for a federated virtualised infrastructure

**Operations**

Enter the [operations wiki space](#) for documentation, procedures, and more information on EGI Operations. It also provides links to the EGI Operations Boards (OMB, OTAG, OAT) and related agendas.

**User Community**

Enter the [user community wiki space](#) for documentation, procedures and more information on EGI User Community.

- User Community Board
- User Services Advisory Group
- Training Working Group

**Security**

- Operational Security (EGI-CSIRT)
- Security Policy Group
- Software Vulnerability Group
- Security Coordination Group

**Projects**


- EGI-InSPIRE
  - Quality Assurance process for deliverables and milestones
  - Document and Presentation Templates
  - Project Administration Committee
  - EC Review Planning
  - eScienceTalk

**Photo Library**

A central store of material gathered at EGI-related events (please check copyright restrictions before public use and store information about the images as far as possible):

- 5th EGEE User Forum at Uppsala, Sweden - 12-15 April 2010
- International Super Computing 2010 (ISC10) at Hamburg, Germany - 31 May - 3 June
- EGI-InSPIRE photos

This page was last modified on 16 February 2011, at 12:25. This page has been accessed 7,926 times. [Privacy policy](#) [About EGIWiki](#) [Disclaimers](#)

Powered By 

- General Wiki available for EGI community
- Covering all aspects of EGI:
  - Projects
  - Technology
  - Operations
  - User community
  - Security
  - ...



GOCDB Central Visualisation Portal - Mozilla Firefox

File Edit View History Bookmarks Tools Help

https://goc.gridops.org/portal/index.php?Page\_Type=Table&query=Get\_Site\_Production&parameters[]=SHI

GOCDB Central Visualisation Por...

**GOCDB4**  
Visualisation  
Portal

**Resources**

- Browse Sites
- Browse Services
- Browse ROCs/NGIs

**Downtimes**

- Recent & Planned
- Archives

**About GOCDB4**

- Doc, Help & Support
- Development Status
- Credits

**Search**

Submit


**User Status**

Registered as:  
Vladimir Slavnic

[View Details](#)

**Portal Instance**

Central Portal



**Sites**

Short Name	Official Name	Certification Status	Roc	Country	Actions
AEGIS01-IPB-SCL	Scientific Computing Laboratory, Institute of Physics Belgrade	Certified	NGI_AEGIS	RS	<a href="#">View</a>
AEGIS02-RCUB	Belgrade University Computing Center, Belgrade, Serbia	Certified	NGI_AEGIS	RS	<a href="#">View</a>
AEGIS03-ELEF-LEDA	Faculty of Electronic Engineering, University of Nis	Certified	NGI_AEGIS	RS	<a href="#">View</a>
AEGIS04-KG	Center for Scientific Research of SASA and University of Kragujevac	Certified	NGI_AEGIS	RS	<a href="#">View</a>
AEGIS07-IPB-ATLAS	ATLAS Group, Institute of Physics Belgrade	Certified	NGI_AEGIS	RS	<a href="#">View</a>
AEGIS10-VINCA-CMS	CMS group, Vinca Institute	Uncertified	NGI_AEGIS	RS	<a href="#">View</a>
AEGIS11-MISANU	Mathematical Institute of the Serbian Academy of Sciences and Arts	Certified	NGI_AEGIS	RS	<a href="#">View</a>
AGH-HCSR	AGH University of Science and Technology, Computer Science Department, Computer System Group	Candidate	NGI_PL	PL	<a href="#">View</a>
AL-01-FIT	Faculty of Information Technology	Candidate	NGI_AL	AL	<a href="#">View</a>
ALBERTA-LCG2	ALBERTA Edmonton Canada	Suspended	ROC_Canada	CA	<a href="#">View</a>
AM-01-IIAP-NAS-RA	Institute for Informatics and Automation Problems of NAS, RA	Certified	NGI_ARMGRID	AM	<a href="#">View</a>
AM-02-SEUA	State Engineering University of Armenia	Certified	NGI_ARMGRID	AM	<a href="#">View</a>
AM-03-YSU	Yerevan State University	Certified	NGI_ARMGRID	AM	<a href="#">View</a>
AM-04-YERPHI	Yerevan Physics Institute	Suspended	NGI_ARMGRID	AM	<a href="#">View</a>
AM-05-YSU	Yerevan State University, Physics Department	Certified	NGI_ARMGRID	AM	<a href="#">View</a>
AMD64.PSNC.PL	Poznan Supercomputing and Networking Center, Poznan, Poland	Closed	NGI_PL	PL	<a href="#">View</a>
AREA-BO	Area ricerca CNR/INAF	Certified	Italy	IT	<a href="#">View</a>
ARNES	ARNES, Arnes, Ljubljana, Slovenia	Certified	NGI_SI	SI	<a href="#">View</a>
AU-PPS	Australian Pre-Production Testing	Certified	AsiaPacific	AU	<a href="#">View</a>
AUVERGRID	IN2P3-LPC, Clermont-Ferrand, France	Certified	NGI_FRANCE	FR	<a href="#">View</a>

[First](#) [Previous](#) [Next](#) [Last](#)

- GOCDDB is the official repository for storing and presenting [EGI](#) topology and resources information
  - <https://goc.egi.eu/>
- It has two parts:
  - GOCDDB4 Central Visualisation Portal
    - Gathers and presents data provided and updated at regional level by participating NGIs.
    - It is a visualisation tool only, no data can be updated on this system which works as a mirror.
  - GOCDDB4 Input System
    - Centrally hosted system that gives access to data for those NGIs who don't run a local system.

CIC Operations Portal - Mozilla Firefox

File Edit View History Bookmarks Tools Help

egi.eu https://cic.egi.eu/

CIC Operations Portal




## OPERATIONS PORTAL

Identified with the following certificate : /C=RS/O=AEGIS/OU=Institute of Physics Belgrade/CN=Vladimir Slavnic

You have been recognized as : Deputy Regional Manager, Regional First Line Supporter, Regional Staff, Security Officer, Site Administrator, VO DEPUTY

Home VO RC ROC C.COD

### Home

- About this portal
  - Contact us - Feedback
  - Current Developments
  - Getting started with Grid
  - Site Map

### Procedures / Documentation

- CIC Portal Documentation

### CIC Tools

- VO Information / List

### External Tools

- EGI Network support

### Communication

- Global Downtime Overview
- Send a EGEE Broadcast

### Links

- Credits
- Find a User Support

### LAST RELEASE 6.3 (10/09/2009)

You'll find a summary of new available features and recent improvements in the [Release Notes](#)

### EGI project

This portal is currently under migration in the EGI area : <http://operations-portal.egi.eu>

### About this portal

This portal has been created as a part of the SA1 activity. It is dedicated to ensure:

- to be a management and operations tool
- to be an entry point for all Egee actors for their operational needs
- to manage the available informations about EGEE VOs and related VOs
- to monitor and ensure grid day-to-day operations on grid resources and services

Each actor of Egee will then be able to enter or have access to informations from an operational point of view according to its role into EGEE - what we define as an actor's view:

- VO: actions depending upon VO Managers and VO administrator,
- RC / site staff: actions depending upon site managers
- and so on with COD , ROC /Federation

To obtain more informations, use the getting started page of each section.

### Feedback

Any feedback: will help us to improve this site ! please fill in our [feedback form](#)

### LATEST NEWS

#### Decommission of Operations Centre XXX has started

07/02/2011 10:50  
Dear All, We would like to announce that Operations Centre ROC SE...  
[\[Read more...\]](#)

#### Change in the 3.1 Retirement Calendar for glite-CREAM

01/02/2011 11:02  
Dear gLite users, Please note that the 3.1 retirement calendar fo...  
[\[Read more...\]](#)

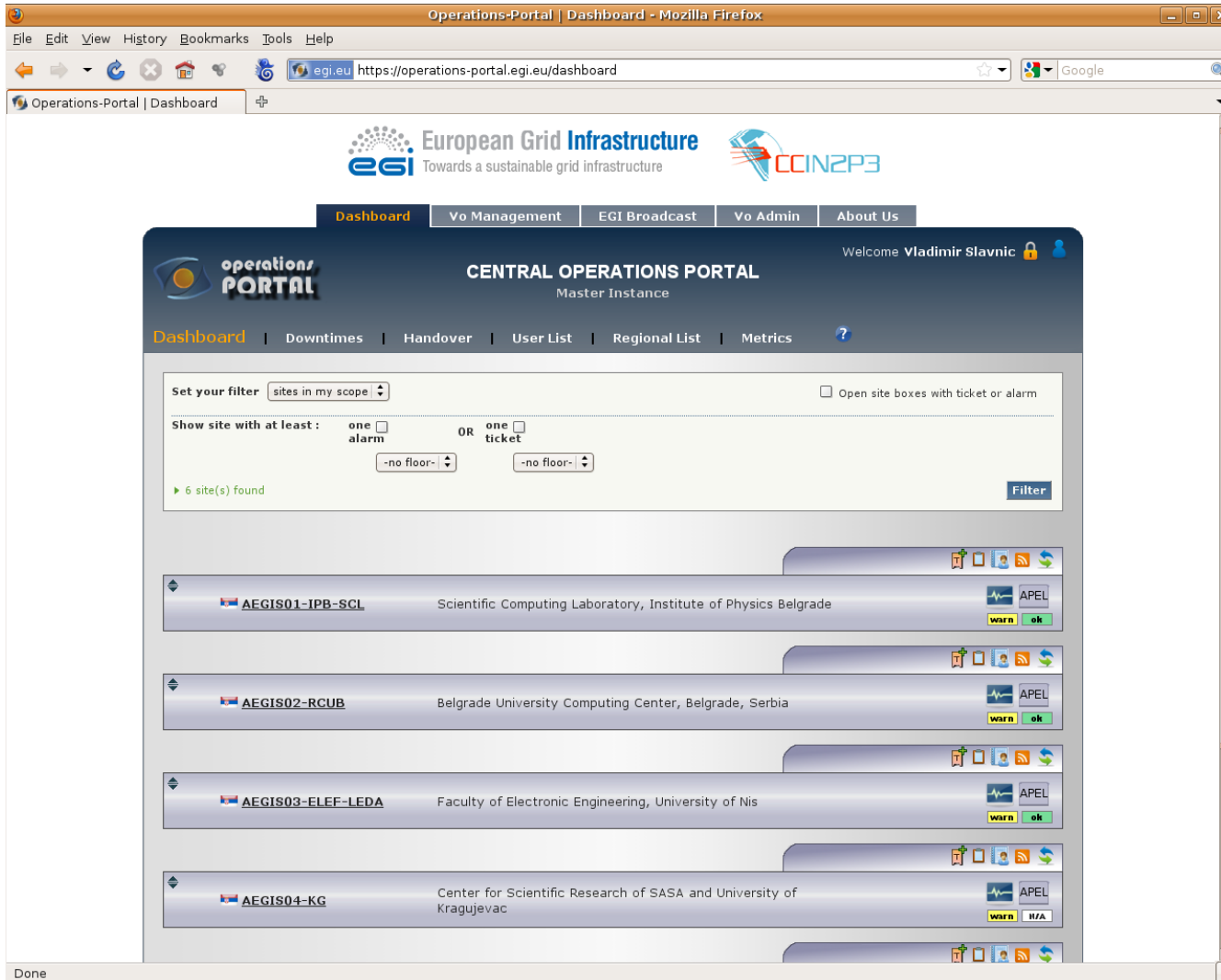
#### gLite Release of UPDATE 69 to gLite 3.1 Priority: Normal

01/02/2011 10:40  
Dear gLite users, UPDATE 69 for gLite 3.1 is now ready for produc...  
[\[Read more...\]](#)

#### gLite 3.1 Retirement of glite-BDII, glite-GLEXEC\_wm, glite-LB, glite-SCAS, glite-TORQUE\_client and glite-TORQUE\_server

31/01/2011 10:13  
Dear gLite users, As stated in the gLite 3.1 retirement calendar,...  
[\[Read more...\]](#)

- Management and operations tool
- Entry point for all EGEE actors for their operational needs
- Manages the available information about EGEE VOs and related VOs
- Provide monitoring and ensure grid day-to-day operations on grid resources and services
- This portal is currently under migration in the EGI area  
:<http://operations-portal.egi.eu>



The screenshot shows the 'Central Operations Portal' interface. At the top, there are logos for 'European Grid Infrastructure' and 'CCIN2P3'. Below these are navigation tabs: 'Dashboard', 'Vo Management', 'EGI Broadcast', 'Vo Admin', and 'About Us'. The main header area includes the 'operations PORTAL' logo, the text 'CENTRAL OPERATIONS PORTAL Master Instance', and a user greeting 'Welcome Vladimir Slavnic'. A secondary navigation bar contains 'Dashboard', 'Downtimes', 'Handover', 'User List', 'Regional List', and 'Metrics'. A filter section allows users to set filters (e.g., 'sites in my scope') and shows results for '6 site(s) found'. The main content area displays a list of sites with their IDs and descriptions:

- AEGIS01-IPB-SCL**: Scientific Computing Laboratory, Institute of Physics Belgrade
- AEGIS02-RCUB**: Belgrade University Computing Center, Belgrade, Serbia
- AEGIS03-ELEF-LEDA**: Faculty of Electronic Engineering, University of Nis
- AEGIS04-KG**: Center for Scientific Research of SASA and University of Kragujevac

Each site entry includes a status indicator (e.g., 'warn', 'ok') and a 'warn' button. The browser window title is 'Operations-Portal | Dashboard - Mozilla Firefox' and the address bar shows 'https://operations-portal.egi.eu/dashboard'.

- Consists of web pages providing information to various actors (NGI Operations Centers, VO managers) along with related facilities, such as:
  - Regional dashboard
  - VO registration tool
  - Broadcast and downtime system
  - Periodic, operations report submission system

GGUS - /ticket\_search.php - Mozilla Firefox

File Edit View History Bookmarks Tools Help

https://gus.fzk.de/ws/ticket\_search.php

GGUS - /ticket\_search.php

Did you know ...

- FAQ & Wiki
- Documentation
- Training
- Registration

Search ticket

Submit ticket

Support staff

Navigation on top

GGUS ticket search engine

show columns in search result  Ticket-ID  Type  Concerned VO  Notified Site  Resp. Unit  Status  Date  Last Update  Info

Ticket ID:  Status: ?

Support Unit:  Priority:  Order tickets by

Concerned VO:  Type of problem:

User: ? MoU Area:

Keyword:

Involved supporter: ?   Creation date

Assigned to person: ?   All tickets from

Notified Site:  to ?

Special attributes (ALARM / Master etc.)   Untouched since

show/save search result as: [CSV](#) | [HTML](#) | [XML](#) | [PDF](#)

124 Tickets found

Ticket-ID	Type	Concerned VO	Notified Site	Resp. Unit	Status	Date	Last Update	Info
68267	Team	atlas	UKI-LT2-Brunel	ROC_UK/Ireland	assigned	2011-03-05	2011-03-05 07:37	Data transfer from UKI-LT2-BRUNEL_PRODDISK to ENL...
68266	Team	atlas	RO-16-UAIC	NGI_RO	assigned	2011-03-05	2011-03-05 05:43	Many file transfers failed for RO-16-UAIC_PRODDISK
68265	Team	atlas	TR-10-ULAKBIM	NGI_TR	assigned	2011-03-04	2011-03-05 00:43	All prod jobs failed at TR-10-ULAKBIM
68264		none		TPM	new	2011-03-04	2011-03-04 22:59	File errors at T2_RU_RRC_KI
68263		none	EELA-UNLP	ROC_JGALC	assigned	2011-03-04	2011-03-05 00:10	NAGIOS "org.sam.CE-JobSubmit-opts" failed on ce01....
68256		none		ETICS	assigned	2011-03-04	2011-03-04 20:25	ETICS can't create metapackages
68255		none		NGI_MARGI	assigned	2011-03-04	2011-03-04 16:23	Problem with MPI Jobs @ MK-01-UKIM_I
68254		none		ROC_LA	in progress	2011-03-04	2011-03-04 14:00	New ROC_LA Site: ATLAND
68253		none	CYFRONET-LCG2	NGI_PL	assigned	2011-03-04	2011-03-04 11:18	NAGIOS "org.sam.CREAMCE-JobSubmit-vo.plgrid.pl/...
68252		lhcb		NGI_DE	on hold	2011-03-04	2011-03-04 14:52	Timeouts in 4-cache operations
68251		none		NGI_FRANCE <b>involved</b>	assigned	2011-03-04	2011-03-04 10:35	NGI_FRANCE - problem detected: ROD is not function...
68250		none		NGI_TR <b>involved</b>	in progress	2011-03-04	2011-03-04 15:02	NGI_TR - problem detected: ROD is not functioning ...
68246		none	BEgrid-ULB-VUB	NGI_NL	assigned	2011-03-04	2011-03-04 06:45	NAGIOS "org.sam.CE-JobSubmit-opts/Role-logger" ...
68245	Team	atlas	UKI-LT2-Brunel	ROC_UK/Ireland <b>assigned</b>	in progress	2011-03-03	2011-03-04 07:58	UKIUKI-LT2-Brunel: job failures with libpython2.6....
68244	ALARM	alice	CERN-PROD	ROC_CERN	assigned	2011-03-03	2011-03-03 21:21	AFS problem for ALICE at CERN
68242		none		OBSPM	assigned	2011-03-03	2011-03-03 19:13	Jobs Submissions Errors on EUMED
68240	Team	atlas	IL-TAU-HEP	NGI_IL	reopened	2011-03-03	2011-03-04 09:43	Transfers failing from IL-TAU-HEP_PRODDISK
68239		auger	SIGNET	NGI_SI	in progress	2011-03-03	2011-03-03 16:42	Aborted jobs in logce ijs.si
68238		none		gLite WMS	assigned	2011-03-03	2011-03-04 10:15	Error contacting WMPROXY
68237		none	CBPF	ROC_LA	in progress	2011-03-03	2011-03-04 12:53	NAGIOS "org.nmap.VOMS*" failed on roc-la-03.cat.cb...
68234		none		ETICS	assigned	2011-03-03	2011-03-03 13:56	32 bits condor libs in x86_64 repository
68232		none	Hephy-Vienna	NGI_NDGF	assigned	2011-03-03	2011-03-03 14:30	NAGIOS "org.sam.VN-CAVer-ops" failed on hephygr o...
68230		none	LIP-Lisbon	StoRM	in progress	2011-03-03	2011-03-04 12:11	Storm bug: Space Token used space is not update
68223		none	CYFRONET-LCG2	NGI_PL	assigned	2011-03-03	2011-03-03 11:23	BDII not accessible
68222		none	CYFRONET-LCG2	NGI_PL	assigned	2011-03-03	2011-03-03 11:23	BDII not accessible

Done

- Global Grid User Support (GGUS) system
- Primary mean by which users request support when they are using the grid
- The GGUS system is the main support access point for the EGI project
- The GGUS system creates a trouble ticket to record the request and tracks the ticket from creation through to solve



GStat 2.0 - Summary View - GRID ALL - Mozilla Firefox

http://gstat.egi.eu/gstat/summary/

GStat 2.0

Geo View | LDAP View | **Site Views** | Service View | VO View

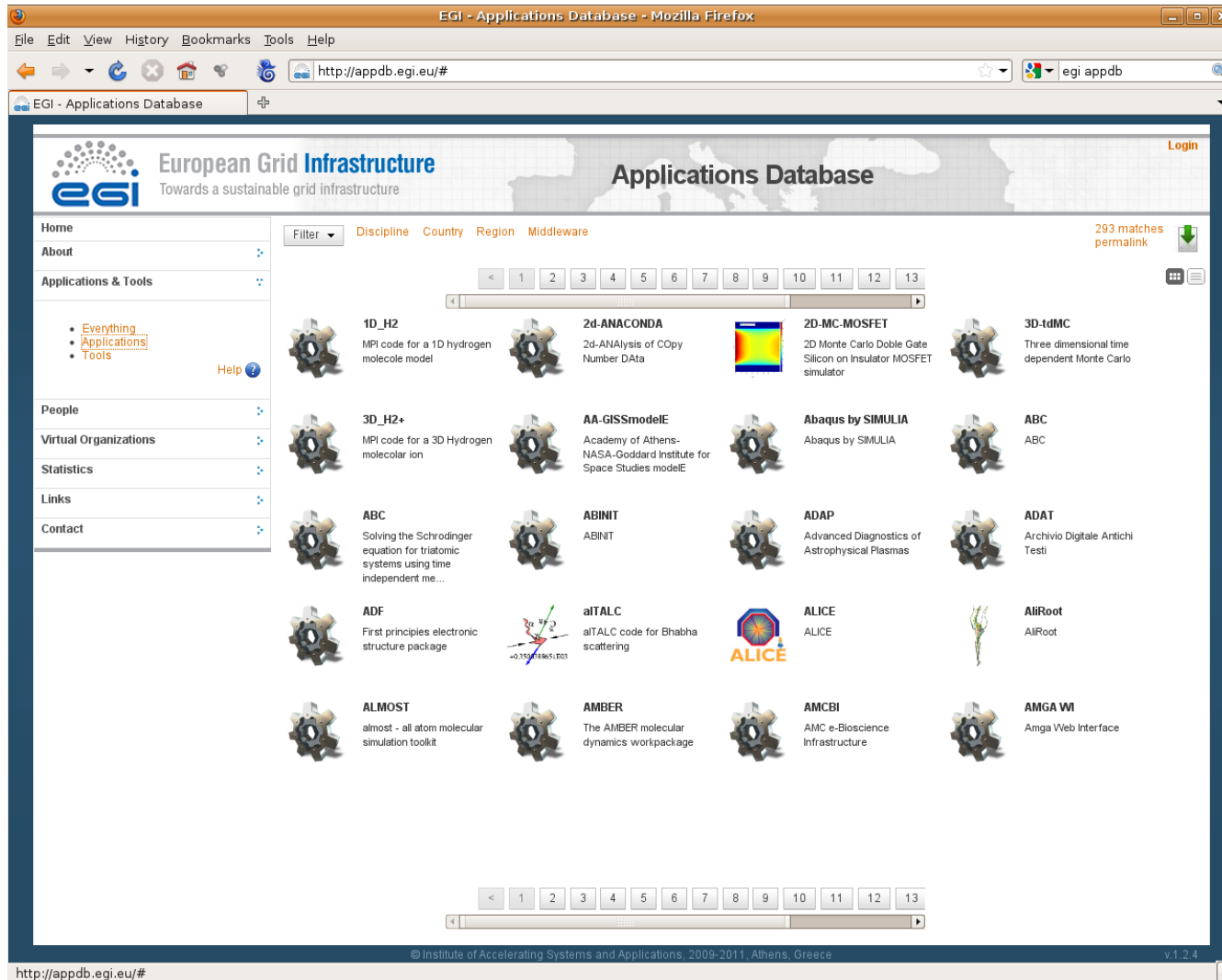
Filters: GRID Values: ALL

Show 25 entries | Go to a site: --SELECT A SITE NAME--

Name	Sites	CPUs			Online Storage Space (GB)		Nearline Storage Space (GB)		Grid Jobs		
		Physical	Logical	SI2000	TotalSize	UsedSize	TotalSize	UsedSize	Total	Running	Waiting
AEGIS	6	312	1,056	2,305,920	27,761	36%	0	0%	21,011	111%	94%
ARMGRID	4	56	224	537,600	2,438	22%	0	0%	18	8%	0%
BALTICGRID	2	34	92	151,920	2,437	17%	0	0%	0	0%	0%
BIGGRID	14	1,444	4,896	11,763,236	4,231,916	55%	2,176,134	89%	13,671	241%	178818%
Consorzio Cometa	6	761	1,522	2,663,272	36,602	42%	0	0%	769	0%	99%
D-GRID	10	5,259	25,269	51,236,932	11,882,514	51%	962,500	36%	77,202	249%	12683%
DECH	1	224	896	1,758,848	116,757	80%	0	0%	105	11%	0%
DGRID	1	232	928	1,948,800	481,685	68%	0	0%	1,467	102%	35%
EELA	7	578	1,263	2,375,253	37,388	12%	0	0%	276	11%	45%
EELA2	1	152	344	1,037,504	0	0%	0	0%	0	0%	0%
EGEE	189	32,133	123,153	558,904,701	132,052,831,723	0%	65,199,054	71%	370,132	238%	50693%
EGI	129	33,406	96,090	211,095,034	47,373,982	45%	13,402,502	71%	175,964	138%	41974%

Done

- GStat displays information about grid services, the grid information system itself and related metrics
- GStat provides a method to visualize a grid infrastructure from an operational perspective based on information found in the grid information system (BDII)



The screenshot shows the EGI Applications Database interface. The browser window title is "EGI - Applications Database - Mozilla Firefox" and the address bar shows "http://appdb.egi.eu/#". The website header includes the EGI logo, "European Grid Infrastructure Towards a sustainable grid infrastructure", and "Applications Database". A "Login" link is visible in the top right. Below the header, there are navigation tabs for "Discipline", "Country", "Region", and "Middleware". A search filter is set to "Filter". The main content area displays a grid of application cards, each with a gear icon and a title. The cards include:

- 1D\_H2**: MPI code for a 1D hydrogen molecule model
- 2d-ANACONDA**: 2d-ANALYSIS of COpy Number DATA
- 2D-MC-MOSFET**: 2D Monte Carlo Double Gate Silicon on Insulator MOSFET simulator
- 3D-tdMC**: Three dimensional time dependent Monte Carlo
- 3D\_H2+**: MPI code for a 3D Hydrogen molecular ion
- AA-GISSmodelE**: Academy of Athens-NASA-Goddard Institute for Space Studies modelE
- Abaqus by SIMULIA**: Abaqus by SIMULIA
- ABC**: ABC
- ABC**: Solving the Schrodinger equation for triatomic systems using time independent me...
- ABINIT**: ABINIT
- ADAP**: Advanced Diagnostics of Astrophysical Plasmas
- ADAT**: Archivio Digitale Antichi Testi
- ADF**: First principles electronic structure package
- aiTALC**: aiTALC code for Bhabha scattering
- ALICE**: ALICE
- AliRoot**: AliRoot
- ALMOST**: almost - all atom molecular simulation toolkit
- AMBER**: The AMBER molecular dynamics workpackage
- AMCBI**: AMC e-Bioscience Infrastructure
- AMGA WI**: Amga Web Interface

At the bottom of the page, there is a copyright notice: "© Institute of Accelerating Systems and Applications, 2009-2011, Athens, Greece" and a version number "v.1.2.4". The browser address bar at the bottom shows "http://appdb.egi.eu/#".

- Stores information about tailor-made computing tools for scientists to use, and about the programmers and scientists who developed them
- The applications and tools filed in AppDB are finished products, ready to be used on the European Distributed Computing Infrastructure
- By storing pre-made applications and tools, AppDB aims to avoid duplication of effort across the user communities, and to inspire scientists less familiar with programming into using the European Distributed Computing Infrastructure

- EGI Wiki - <https://wiki.egi.eu/>
- EGI WIKI tools page - <https://wiki.egi.eu/wiki/Tools>
- GOCDB – <https://goc.egi.eu/>
- Operational Dashboard - <http://operations-portal.egi.eu/>
- GGUS - <https://gus.fzk.de/>
- CIC portal - <https://cic.egi.eu/>
- GStat - <https://gstat.egi.eu/>
- EGI AppDB - <https://appdb.egi.eu/>
- EGI Blog - <http://www.egi.eu/blog/>