# egee

Enabling Grids for E-sciencE

# <LCG-EGEE Operations>

*EGEE 1st EU Review – 9th to 11th February 2005*
*CERN*
*<Piotr Nyczyk, Hélène Cordier>*
*<CIC-ON-DUTY, SA1 >*

**www.eu-egee.org**

Information Society

**Enabling Grids for E-sciencE**
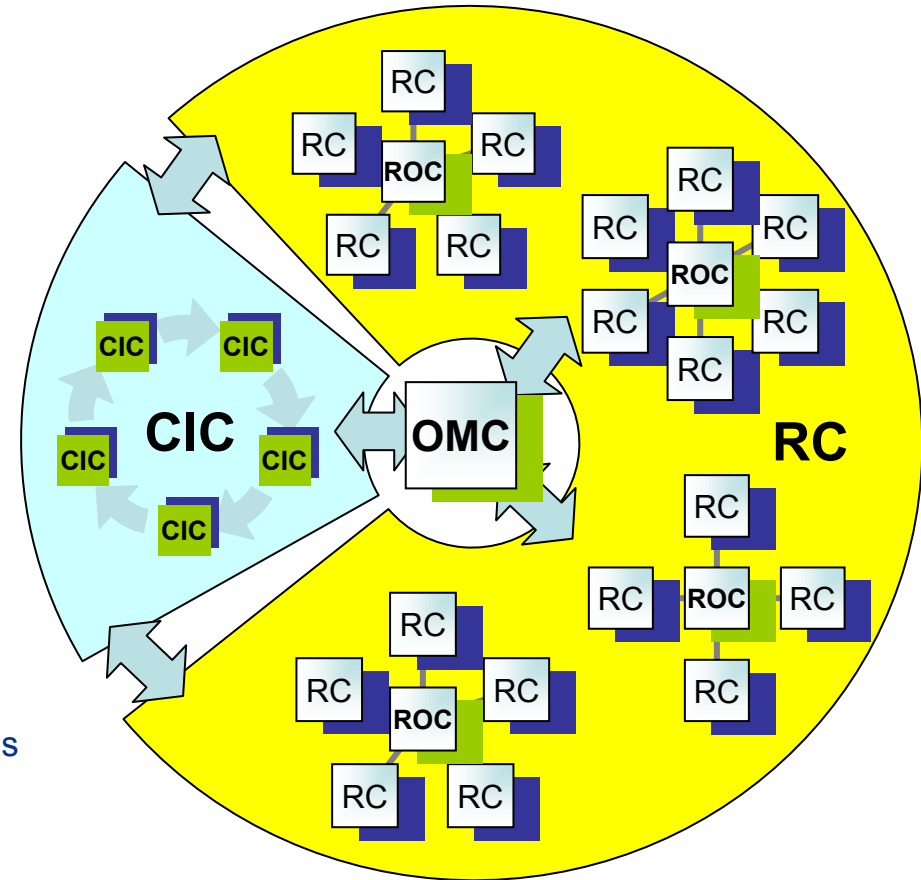
- **SA1 – Core Infrastructure Centers**
  - Definition
  - Operational tool

- **Cic Operations**
  - Cic-on-duty
    - Definition
    - Procedure
    - Operations
  - Monitoring tools

- **Scenarios of escalation**
  - Severity
  - Deadline Expiration

- **Next steps**

**Enabling Grids for E-sciencE**

– Operate essential grid services and act as Grid Operation Center
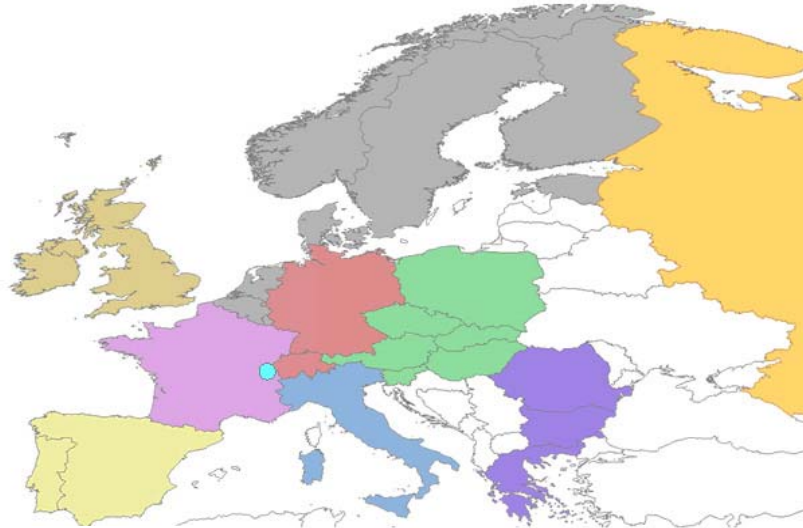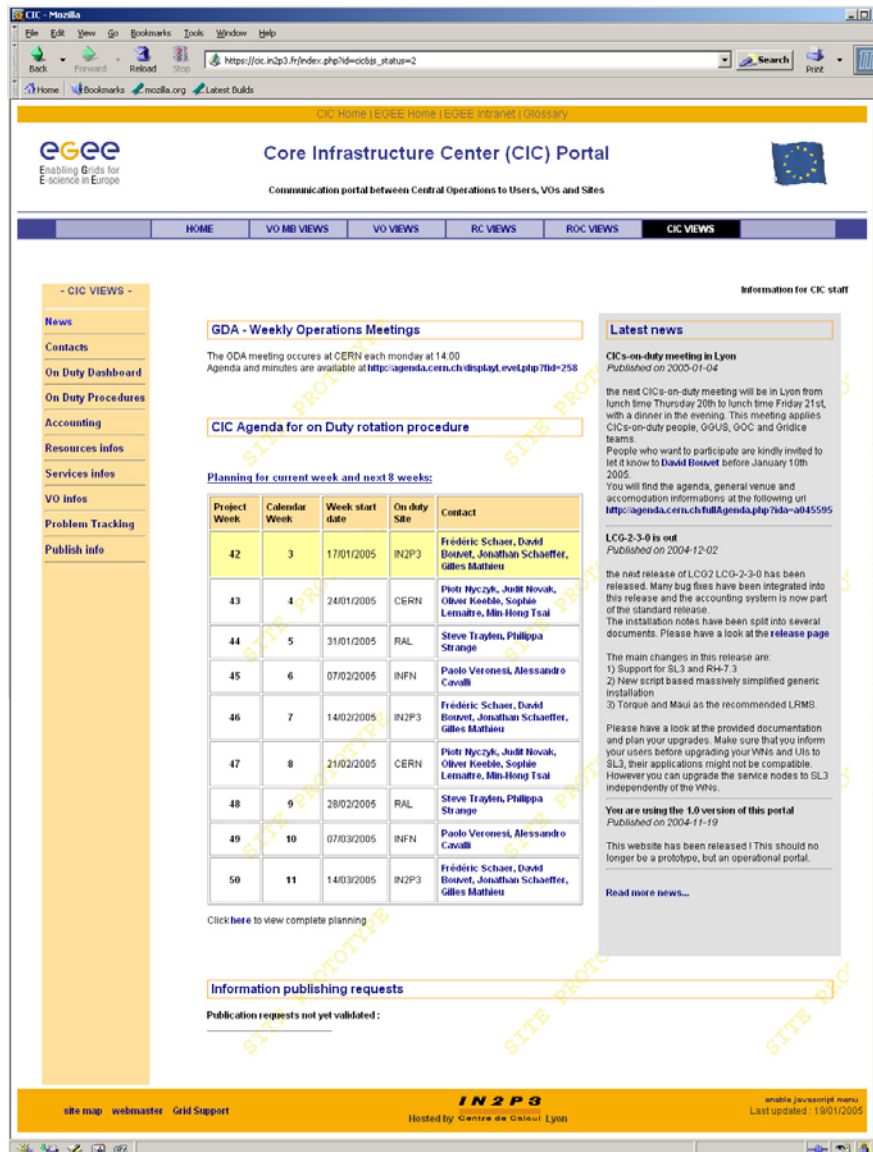
*[This map has been provided by Matt Thorpe]*

– Objectives
  ▪ Transparency
  ▪ Information sharing - 24x7
  ▪ Troubleshooting in conjonction with ROCs

– Current state of operations
  ▪ Procedures defined and used
  ▪ Monitoring tools and in-depth testing
  ▪ Communication tool
  ▪ Problem Tracking Tool

*[This sketch has been provided by Pierre Girard]*

- ## Objectives of CIC portal

  - ### Centralized tool for Egee actors to use
    - Functional needs

  - ### Communication tool for inter-operability
    - Needs and feedback
    - CICs pro-active resolutions

  - ### Provide a repository
    - Knowledge: configurations, published sites data, Faqs
    - Procedures and processes
    - Existing tools
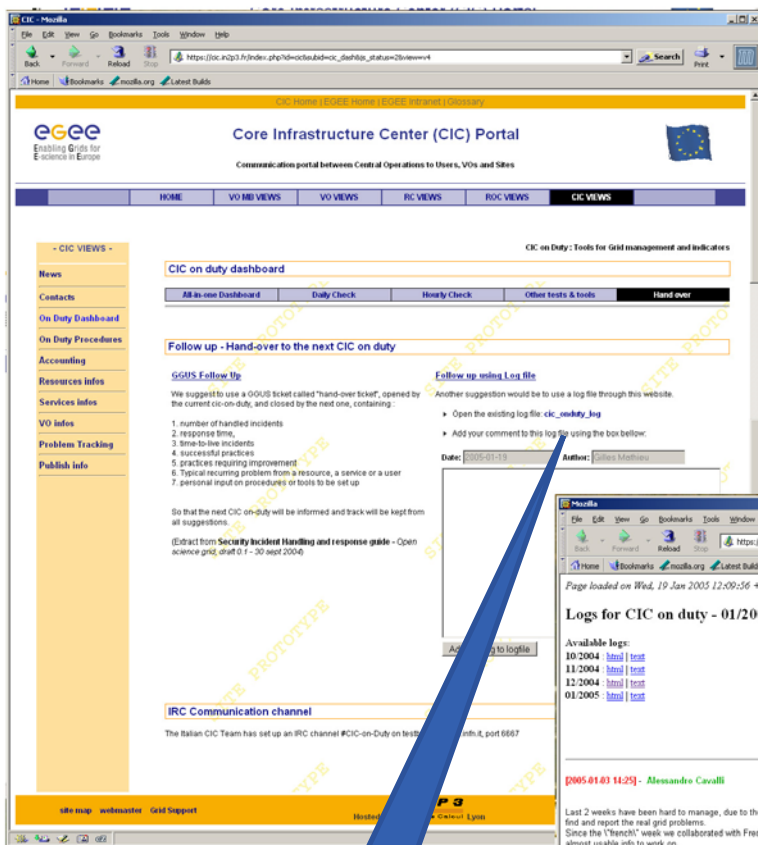
**Enabling Grids for E-sciencE**



Cic–on-duty agenda

weekly shifts – 8/5

GGUS, ROC User-support, mail

Monitor, diagnose troubles

Contact site administrators, ROC

Problem Tracking Tool
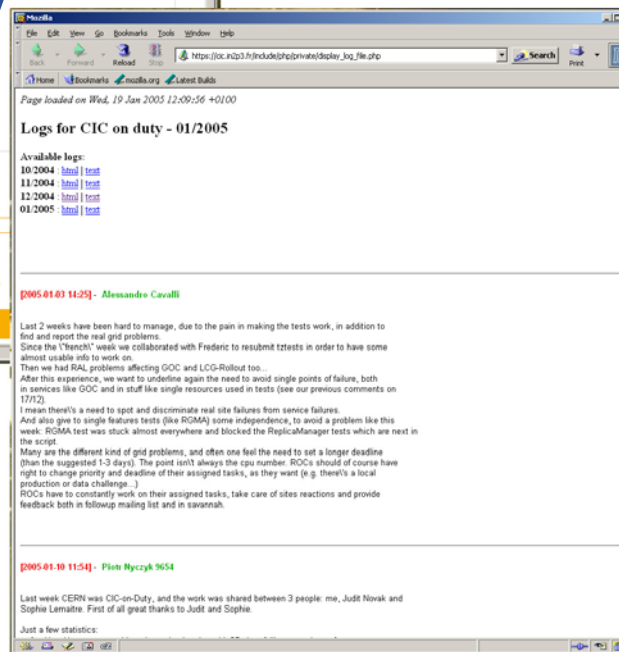
GDA meetings

COD meetings

Follow-up

Log file

Cic operational procedure

Ops Procedure

*[This procedure is provided by OMC]*

High level abstraction
of core tools results

Link all existing tools
- monitoring
- diagnosis
- communication
  - *mail*
  - *follow up log*

# Cic-on-duty Dashboard

https://cic.in2p3.fr/pages/cic/framedashboard.html

Enabling Grids for E-sciencE

**Scheduled downtimes in GOCDB**

Overview of next scheduled maintenances: *(Data got from GOC database)*

| Site | start date | end date | description |
|---|---|---|---|
| RWTH-LCG2 | 2004-10-14 13:45:00 | 2005-01-31 23:59:00 | preparation for hardware and LCG software upgrade |
| CNAF-LCG2 | 2005-01-03 00:00:00 | 2005-01-31 00:00:00 | Gris wn-04-07-02-a.cr.cnaf.infn.it downtime for migration to SL. It has been removed from local BDII |
| SHEFFIELD-LCG2 | 2005-01-10 12:00:00 | 2005-02-10 12:00:00 | A new (much larger) cluster is being delivered today and will be set up over the next month. |
| WEIZMANN-LCG2 | 2005-01-17 09:00:00 | 2005-01-20 18:00:00 | Scheduled downtime for general upgrades: Operating System (SL-3.0.3) and LCG-2.3 |
| CGG-LCG2 | 2005-01-17 14:00:00 | 2005-01-20 14:00:00 | Upgrade to LCG-2_3_0 |
| HPTC-LCG2 | 2005-01-18 00:00:00 | 2005-01-19 00:00:00 | PBS Queues shutdown for maintenance |
| IFCA-LCG2 | 2005-01-18 00:00:00 | 2005-01-22 00:00:00 | Major Network Changes and site update |
| scotgrid-gla | 2005-01-18 09:00:00 | 2005-02-10 09:00:00 | Down for site-wide upgrades, interrupting access to site RAID. |
| | | | Air Cooling Failure - unscheduled |

**Testzone Report Results**

| Critical tests failed | Job submission failed | Job list match failed |
|---|---|---|
| BG01-IPP | Durham | ALBERTA-LCG2 |
| BITLab-LCG | HPTC-LCG2 | CARLETONU-LCG2 |
| BNL-LCG2 | INFN-NAPOLI-ATLAS | CAVENDISH-LCG2 |
| BUDAPEST | NSC | CGG-LCG2 |
| CCIN2P3-LCG2 | ROGRID-ICI | CY01-LCG2 |
| csTCDie | Taiwan-LCG2 | GL2006-MILANO |
| DESYPRO | TRIUMF-GC-LCG2 | HPTC-LCG2 |
| ekplcg2 | WARSAW-LCG2 | IFCA-LCG2 |
| FNAL-LCG2 | | INFN-CATANIA |
| GSI-LCG2 | | INFN-CNAF |
| INFN-LNL-LCG | | INFN-PADOVA |
| IPSL-IPGP-LCG2 | | KI-LCG2 |
| ITEP | | LivHEP-LCG2 |
| JINR-LCG2 | | NGS |
| Lancs-LCG2 | | NGS-LEEDS |
| NCP-LCG2 | | NGS-MAN |
| POZNAN-LCG2 | | NGS-OXFORD |
| RHUL-LCG2 | | PNPI |
| RU-Moscow-KIAM-LCG2 | | Prague-LCG2 |
| RU-Protvino-IHEP | | PreGR01-UoM |

**Contact a given site for a given problem**

```
---- Select problem ----          ---- Select sub-problem ----     ---- Select a site ----
GIIS                               down                            ALBERTA-LCG2
GOC DB ENTRY                       unstable                        BEIJING-LCG2
LCG VERSION                        info not published              BG01-IPP
BDII                               published info inconsistency    BHAM-LCG2
R-GMA                              CPU count erratic               BITLab-LCG2
SITES FUNCTIONAL TESTS                                             BNL-LCG2
MISCELLANEOUS                                                      BUDAPEST
                                                                   CARLETONU-LCG2
                                                                   CAVENDISH-LCG2
```

*List of sites is extracted from the GOC database*

**Manage templates...**

**Site Functional Tests reports**

- Last report
- 2005-01-19
  - Tests at 09.04.29 ( 91 sites tested)
  - Tests at 06.06.03 ( 35 sites tested)
- 2005-01-18
  - Tests at 17.54.55 ( 8 sites tested)
  - Tests at 16.29.32 ( 6 sites tested)
  - Tests at 10.35.20 ( 7 sites tested)
  - Tests at 09.36.09 ( 103 sites tested)
- 2005-01-17
  - Tests at 16.08.44 ( 6 sites tested)
  - Tests at 12.36.53 ( 7 sites tested)
  - Tests at 11.29.30 ( 12 sites tested)
  - Tests at 06.05.40 ( 87 sites tested)
- 2005-01-16
  - Tests at 06.05.46 ( 89 sites tested)
- 2005-01-15
  - Tests at 06.05.40 ( 89 sites tested)
- 2005-01-14
  - Tests at 06.05.38 ( 89 sites tested)
- 2005-01-13
  - Tests at 06.05.32 ( 88 sites tested)
- 2005-01-12

*All-in-one dashboard*
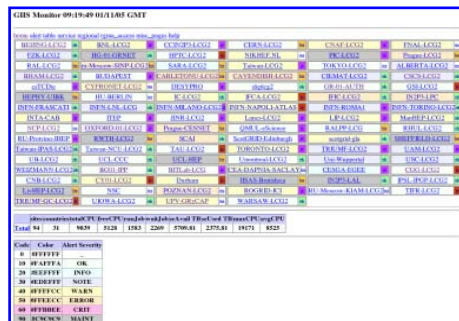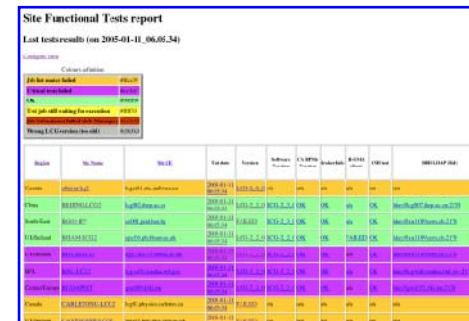
**GIIS Monitor**
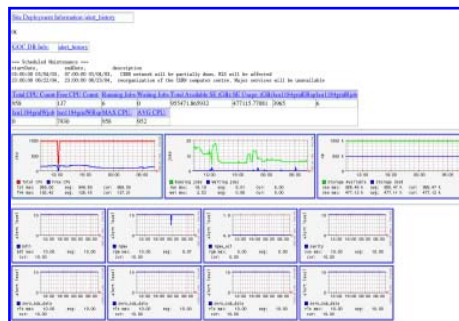

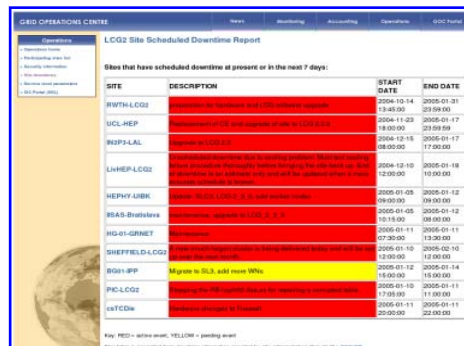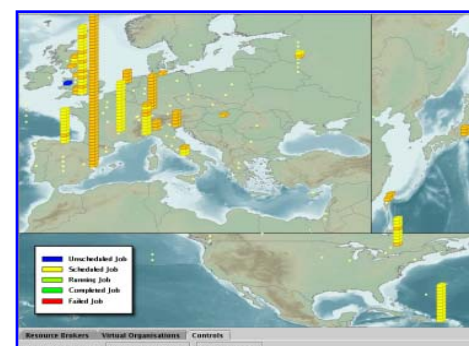**GIIS Monitor graphs**


**Sites Functional Tests**


**GOC Data Base**
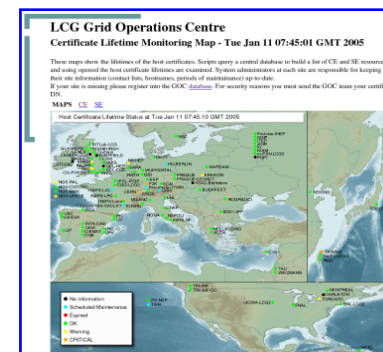

**Scheduled Downtimes**


**Live Job Monitor**


**GridIce – VO view**


**GridIce – fabric view**


**Certificate Lifetime Monitor**

*Note: Those thumbnails are links and are clickable.*

Ticket status

Action taken

## Unification of information coming from various test tools

## Move to GGUS

*http://www.ggus.org*

[This display based on RGMA is provided by the russian federation]