



# SAM/SUM test status report in French cloud



**Sabine Crépe-Renaudin**

## New in January : VO based SAM tests used

- Saw some problems in the past months with these :
  - tests timeout when sites working well and full leading to bad availability not reflecting site health
  - downtime not accounted correctly in reliability

## → take a look at December/January reports for the French Cloud

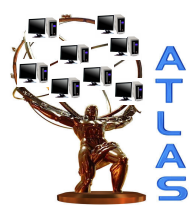
- Compare in details December ops/ATLAS WLCG reports and hammercloud tests
- January results are similar



# December 2013 results



| Sites   | Availability ops | Reliability ops | Availability ATLAS | Reliability ATLAS | Hammer cloud |
|---------|------------------|-----------------|--------------------|-------------------|--------------|
| BEIJING | 88               | 88              | 93                 | 93                | 99,3         |
| IRFU    | GRIF 100         | GRIF 100        | 99 (G 91)          | 99 (G 91)         | 97,7         |
| LAL     | GRIF 100         | GRIF 100        | 77                 | 77                | 75,4         |
| LPNHE   | GRIF 100         | GRIF 100        | 98                 | 98                | 99,3         |
| CC-T2   | 96               | 98              | 96                 | 99                | 91,1         |
| CPPM    | 100              | 100             | 100                | 100               | 99,6         |
| LAPP    | 91               | 91              | 91                 | 91                | 82,5         |
| LPC     | 96               | 96              | 95                 | 95                | 95,1         |
| LPSC    | 100              | 100             | 100                | 100               | 96,9         |
| RO-02   | 98               | 98              | 87                 | 87                | 89,6         |
| RO-07   | 94               | 94              | 85                 | 85                | 86,8         |
| RO-14   | 59               | 94              | 58                 | 60                | 65,1         |
| RO-16   | 86               | 86              | 86                 | 86                | 82,9         |
| TOKYO   | 92               | 93              | 79                 | 80                | 96,7         |



# Sites results and feedback



## FR sites seem ~ok : mostly consistent results

- Observed timeouts were at the batch level ⇒ sites solved the problem playing with batch priorities or pushing jobs manually in the queue (lcgadmin role)

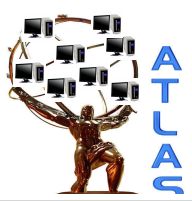
→ Note: Recent ATLAS studies shows timeout problems mainly at WMS level

- Proposed solution was to increase timeout time at this level

(see GDB <https://indico.cern.ch/event/272618/session/0/contribution/8> )

## Inconsistencies in December (red numbers)

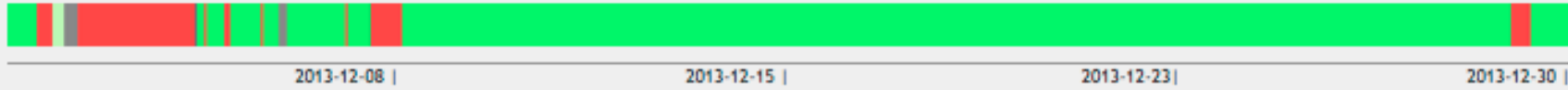
- Beijing : period removed from ATLAS test (see next slide) ?
- RO-14 : downtime seems not to have been taken into account in atlas tests (see slide 5)
- Tokyo seem to face the timeout problem, don't know at which level => site admin looking at this



# Beijing December 2013

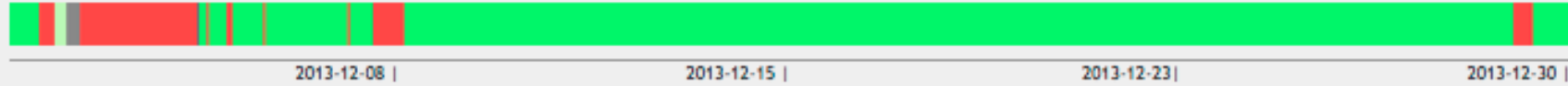


BEIJING-LCG2

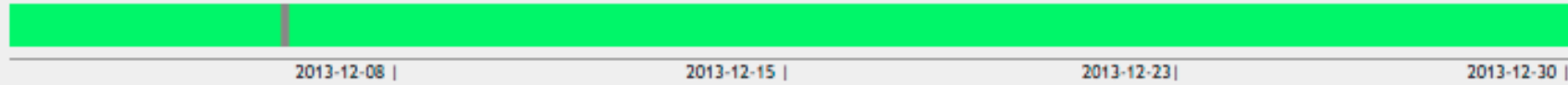


ops

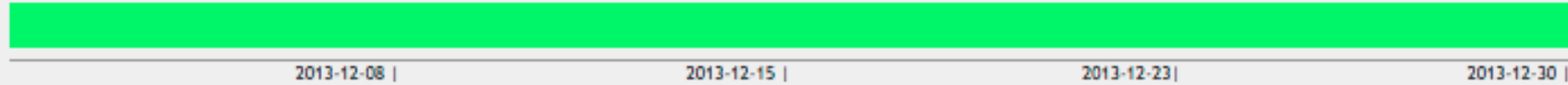
CREAM-CE



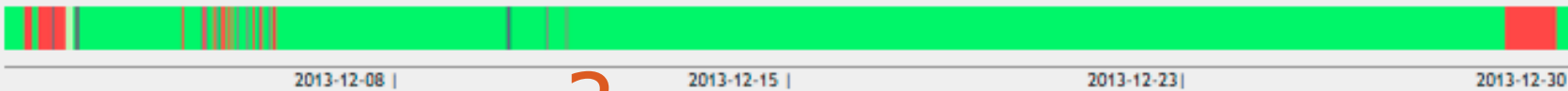
SRMv2



Site-BDII

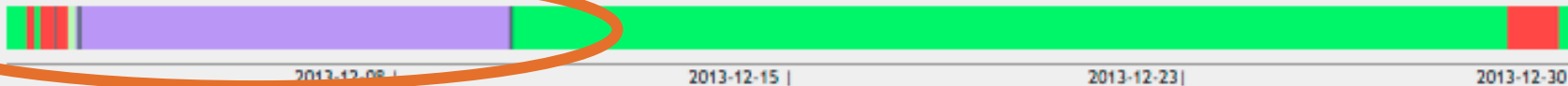


BEIJING-LCG2

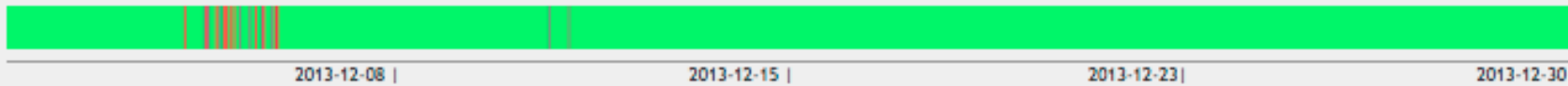


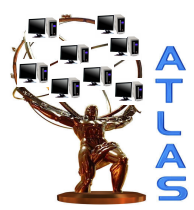
atlas

CREAM-CE



SRMv2

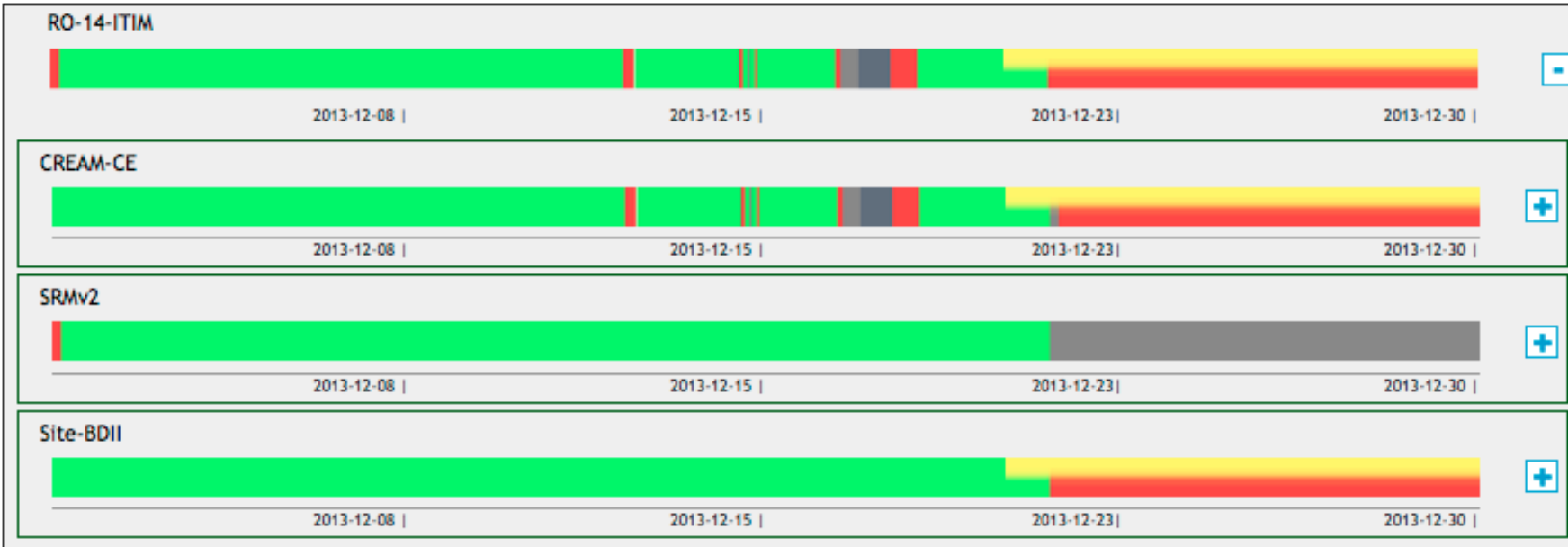




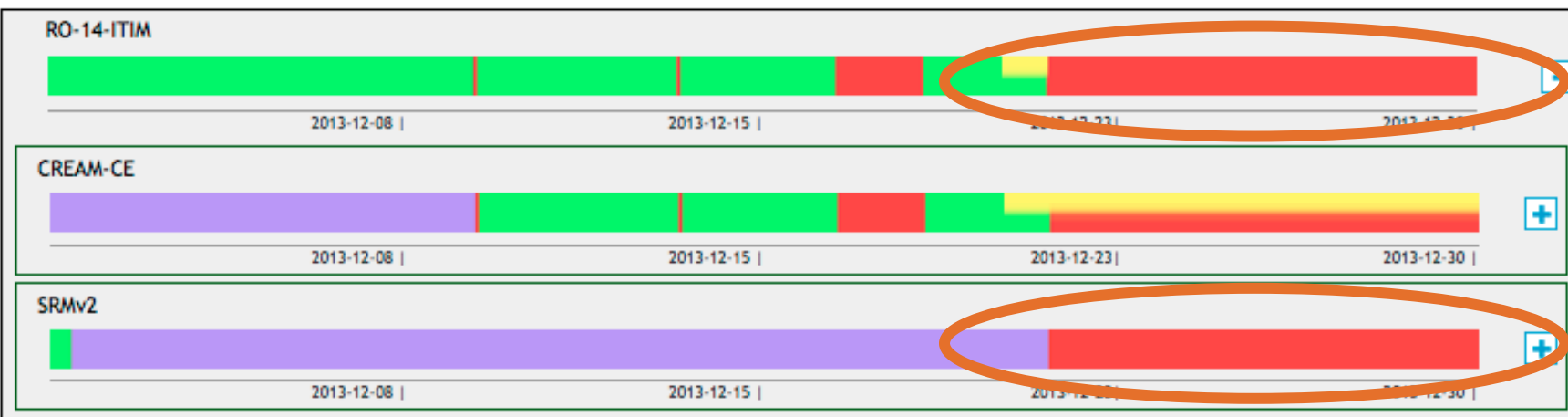
# RO-14 December 2013



ops



atlas



**Downtime  
not  
correctly  
accounted  
for**



# Downtime problem



Still there in January for several sites (see example in next slide), problems was already notified to WLCG by LAPP admin in November...

- ⇒ WLCG office/ SAM team contacted for January
- ⇒ Answer is
  - that it is a known problem, that has minor impact on the overall monthly A/R numbers
  - they will try to deploy the fix for it as soon as possible.
  - for January reports, they will perform a general re-computation for sites, which have been impacted by this before publishing the final reports.



# Downtime 12965

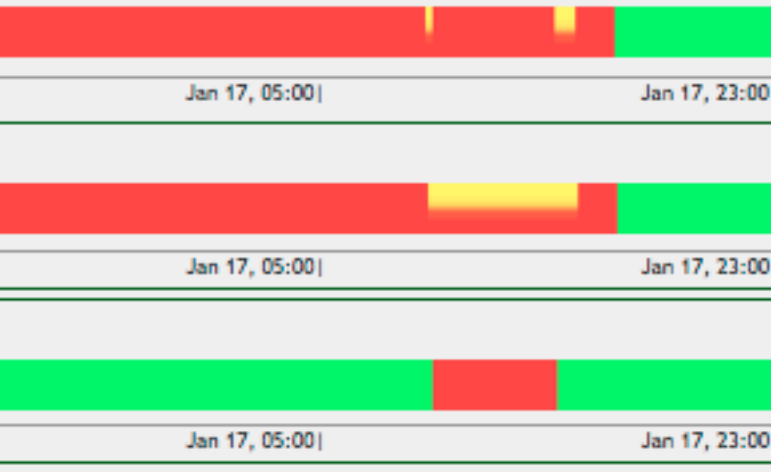
Tuning of the DPM database - WEBDAV



Delete



Edit



| Information    |           |
|----------------|-----------|
| Severity       | OUTAGE    |
| Classification | SCHEDULED |

| Timing            |                    |
|-------------------|--------------------|
| Start Date        | 17-Jan-14 09:00:00 |
| End Date          | 17-Jan-14 14:48:25 |
| Dedclaration Date | 14-Jan-14 10:47:42 |
| Announcement Date | 16-Jan-14 09:00:00 |

| Affected Services                                 |                   |            |          |
|---|-------------------|------------|----------|
| Hostname (service type)                           | Description       | Production | Scope(s) |
| lpsc-cream-ce.in2p3.fr (APEL)                     |                   | ✓          | EGI      |
| lpsc-bdii.in2p3.fr (Site-BDII)                    | Site BDII HOST    | ✓          | EGI      |
| lpsc-ce.in2p3.fr (CREAM-CE)                       |                   | ✓          | EGI      |
| lpsc-cream-ce.in2p3.fr (CREAM-CE)                 | CREAM-CE          | ✓          | EGI      |
| lpsc-vobox.in2p3.fr (VO-box)                      | VOBOX Alice       | ✓          | EGI      |
| lpsc-se-dpm-server.in2p3.fr (SRM)                 | SE DPM SERVER     | ✓          | EGI      |
| lpsc-ce.in2p3.fr (gLExec)                         |                   | ✓          | EGI      |
| lpsc-cream-ce.in2p3.fr (gLExec)                   |                   | ✓          | EGI      |
| lpsc-perfsonar.in2p3.fr (net.perfSONAR.Bandwidth) |                   | ✓          | EGI      |
| lpsc-perfsonar2.in2p3.fr (net.perfSONAR.Latency)  |                   | ✓          | EGI      |
| lpsc-ce.in2p3.fr (eu.egi.MPI)                     |                   | ✓          | EGI      |
| lpsc-cream-ce.in2p3.fr (eu.egi.MPI)               |                   | ✓          | EGI      |
| lpsc-ce2.in2p3.fr (CREAM-CE)                      | lpsc-ce2 Cream-ce | ✓          | EGI      |
| lpsc-ce2.in2p3.fr (eu.egi.MPI)                    |                   | ✓          | EGI      |
| lpsc-ce2.in2p3.fr (gLExec)                        |                   | ✓          | EGI      |

## Ex Downtime example January 2014



# Conclusion



Situation not so clear still, heart of the problems for priority and downtime not solved for January reports

Timeout problems: most of Fr cloud sites found solutions

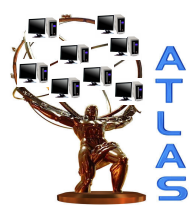
- Ongoing study for Tokyo

Downtimes:

- Sites need to check downtime are well taken into account and complain if not so that reliability takes downtime well into account (should be done automatically for final January report)

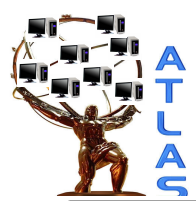
**Note:** Sites need to be careful, going to VO tests could have some consequences (ex : some sites used to drain the queue in advance for downtime => ops jobs stay ok VO ones not...)





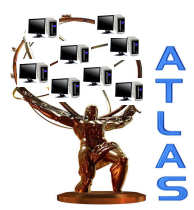
# Backup





# Ops December 2013





# ATLAS December 2013

