



In2p3



DSM

Quelques infos W-LCG MB, LCG-France

Frédérique Chollet

Réunion T1&AF
CC-IN2P3, Villeurbanne, 22 mars 2012

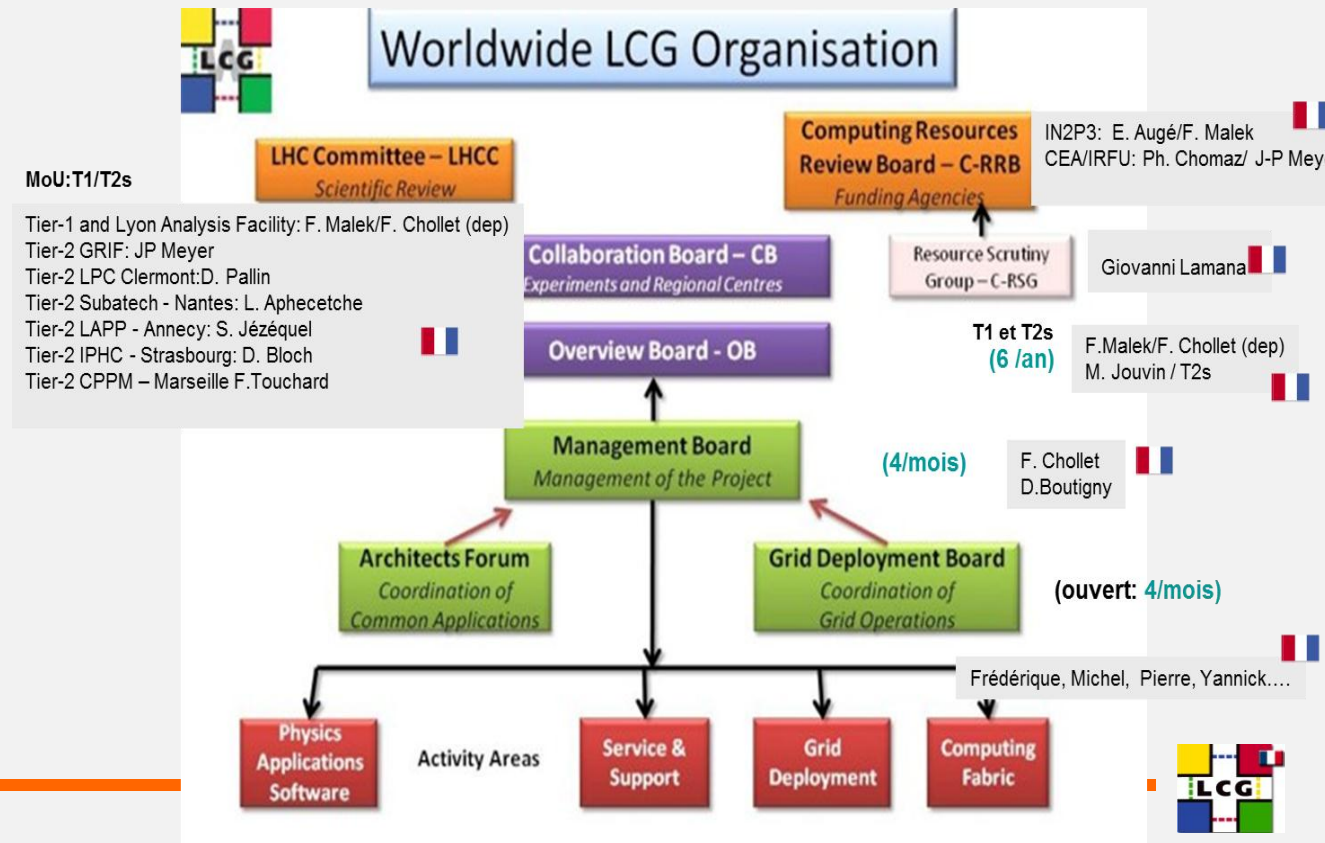


MB WLCG (rappel)

- WLCG-MB : participation F.C, suppléant Dominique B.
- **Mes contacts CC aujourd'hui : Pierre, Rolf.....Ghita**
- Instance décisionnelle de W-LCG : 4/mois => réunion mensuelle désormais

- **Sujets & Décisions :**

- WLCG service report , suivi des SIRs...
- Disponibilité des *pledges* et des sites *Tier-1s*
- *Lancement – Suivi TEG*
- *Whole-node scheduling*
- *Decommissioning lcg-CE, SAM*
- *Peu de cas problématique concernant le CC*



WLCG Service report

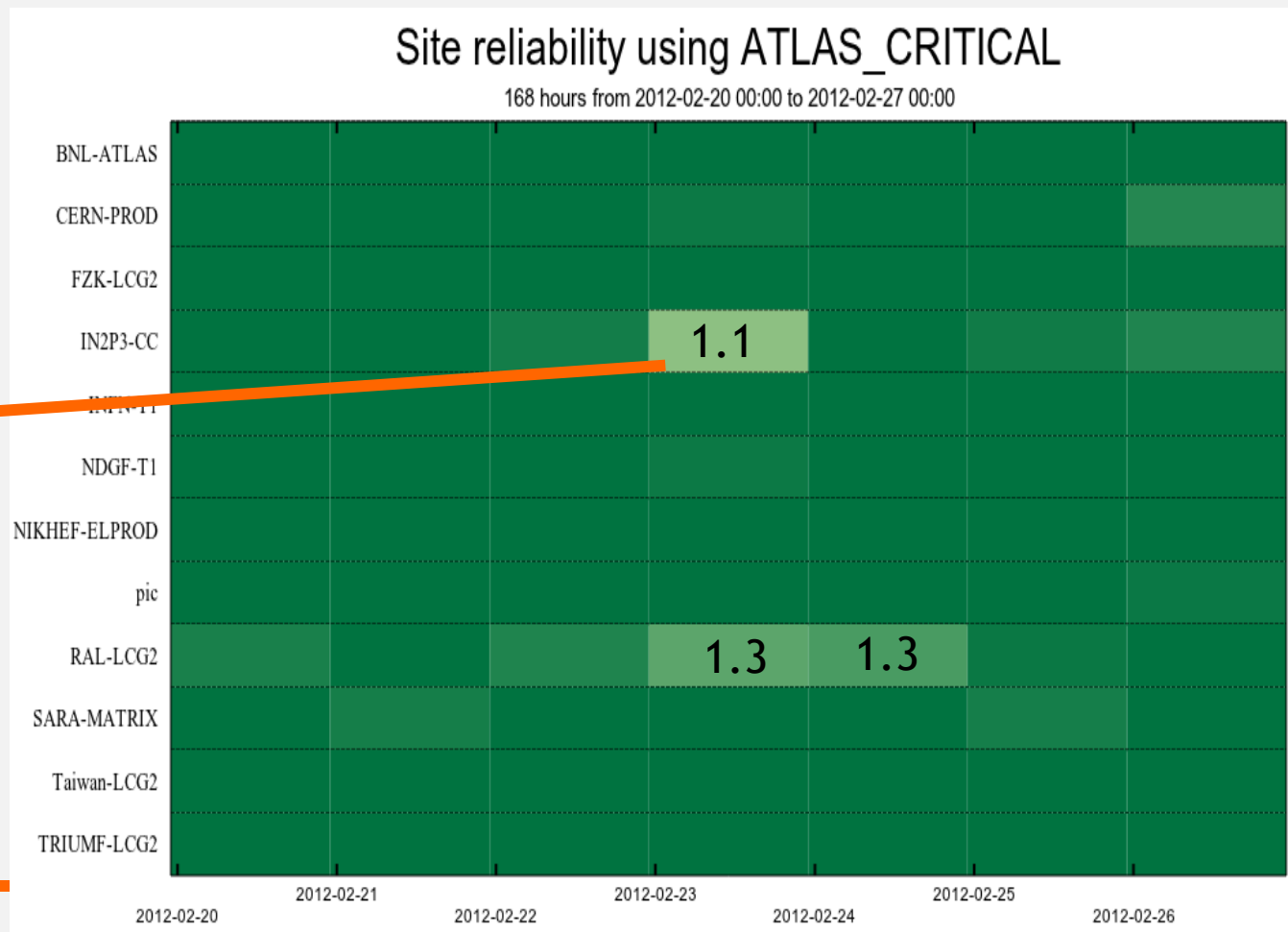
- Mars 2012 Agenda:
<http://indico.cern.ch/conferenceDisplay.py?confId=169042>
- WLCG Service Report
 - EMI FTS deployment before 2012 data taking (end of march)
 - ALARM tickets since last meeting : 2 submitted by ATLAS
 - ♦ ATLAS ALARM-> IN2P3 LFC & FTS can't be contacted GGUS:79278
'solved' and 'verified' at 21:26hrs. The problem was on LHCONe network and solved by the RENATER-GEANT teams. The reason was that CERN was not yet using the LHCONe configuration agreed at the last relevant meeting. This would result to asymmetric routing that the CERN firewall doesn't accept.
 - ♦ ATLAS ALARM-> IN2P3 Jobs to all .fr sites fail GGUS:79347
GGUS TEAM ticket => ALARM : Data transfers are also affected. Suggests a table limitation in LFC and raises ticket to ALARM. Email sent to lhc-alarm@cc.in2p3.fr.

WLCG Service report

- Analysis of the availability plots: Week of 20/02/2012 – 26/02/2012

Test en erreur

ATLAS : 1.1 IN2P3
(23/02). CreamCE
Job submit test
failing on
cccreamceli06 from
1000-1600. No
downtime
registered.

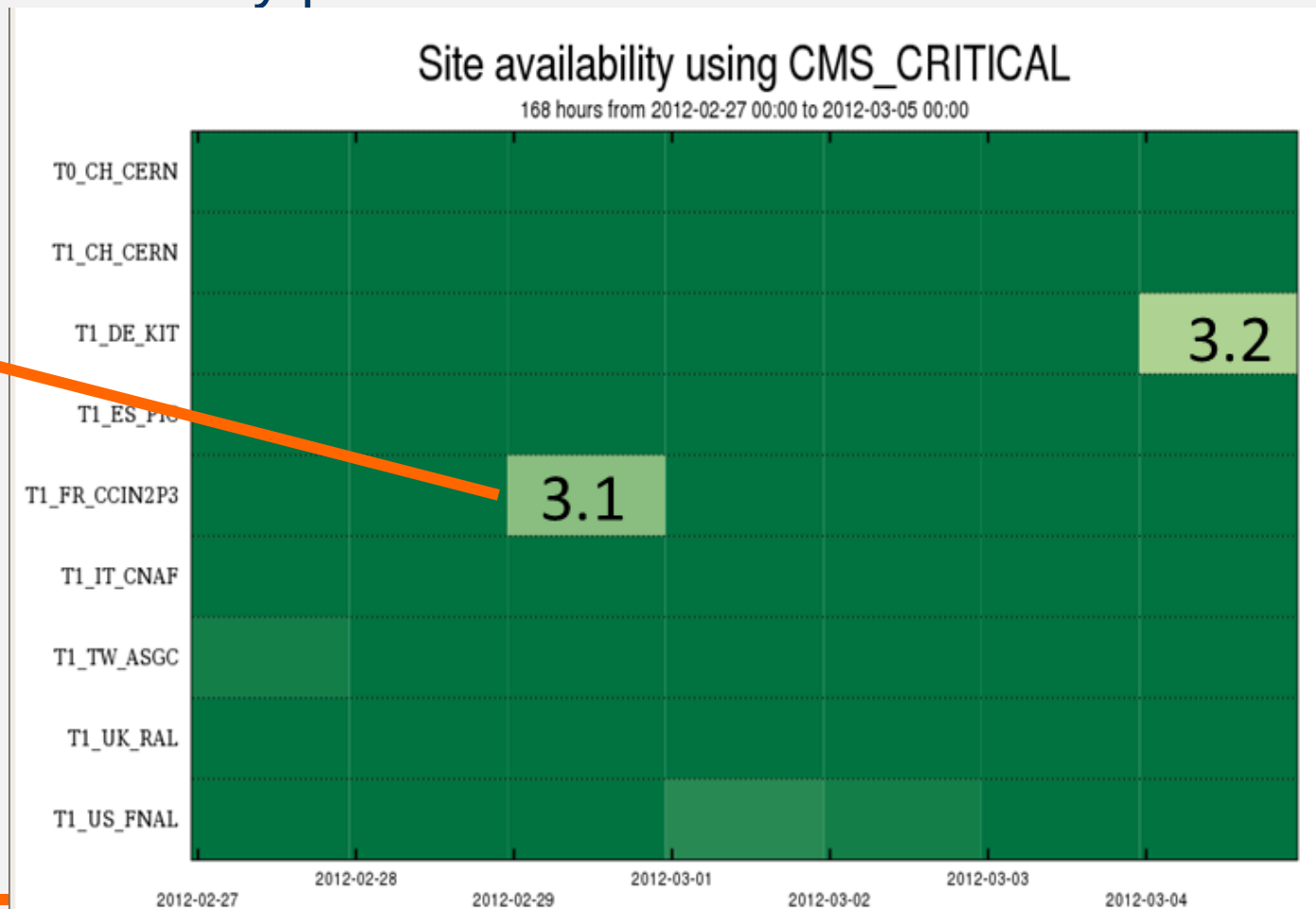


WLCG service report

- Analysis of the availability plots: Week of 27/02/2012 – 04/03/2012

Pb operationnel

CMS 3.1 IN2P3
(29/02). Job
submission limits
were hit (GGUS
79799)



WLCG Availability reports

- Change in WLCG montly availability reports (feb. 2012)
 - https://espace.cern.ch/WLCG-document-repository/ReliabilityAvailability/Tier-1/2012/tier1_reliab_0212/
 - Both OPS and VO data from Nagios and ACE
 - in replacement of SAM and GridView
 - Pertinence des tests (cas ALICE ... voir slide suivante)
 - Reconstitution de l'historique à 6 mois progressivement d'ici juillet
 - How a site gets alarm from VO tests ? to be precised before SAM decommissionning => myLCG <http://grid-monitoring.cern.ch/mywlcg/>
- Change to the policy for re-computation of WLCG Availability/Reliability reports : Requests for re-computations are entered in GGUS within 10 calendar days (at latest)
cf. <https://tomtools.cern.ch/confluence/display/SAMDOC/Availability+Re-computation+Policy>



WLCG Availability reports



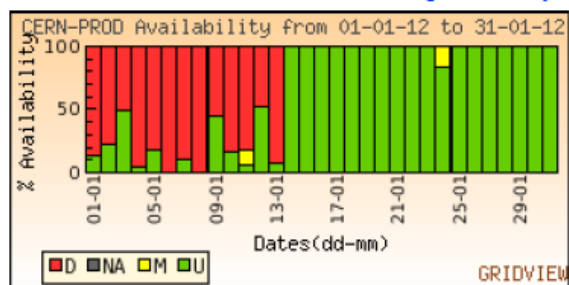
Availability of WLCG Tier-1 Sites + CERN for Alice

January 2012

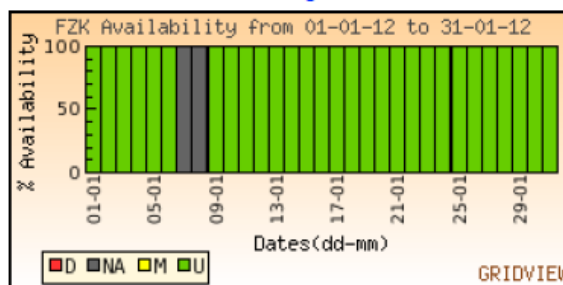
Data from SAM and Gridview

Availability is calculated as uptime / (total_time - time_status_was_UNKNOWN)

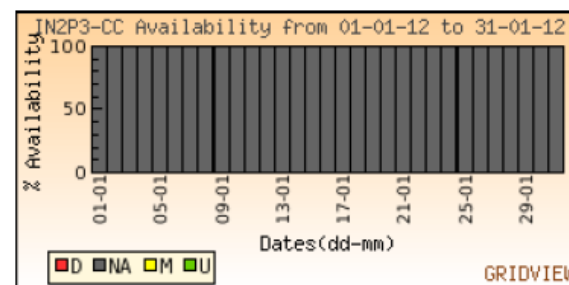
Target reliability for each site is 97 % and Target for 8 best sites is 98 %



CERN Avail : 65 % Unkn : 0 %



DE-KIT Avail : 100 % Unkn : 12 %



FR-CCIN2P3 Avail : N/A Unkn : 100 %



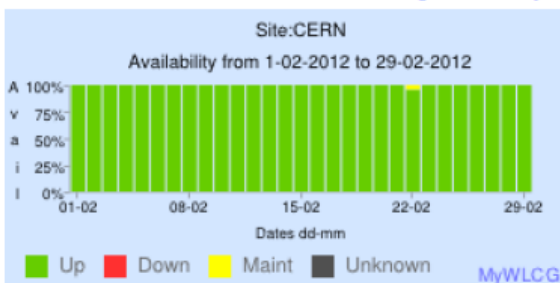
Availability of WLCG Tier-1 Sites + CERN for alice (ALICE_CRITICAL)

Data from Nagios and ACE

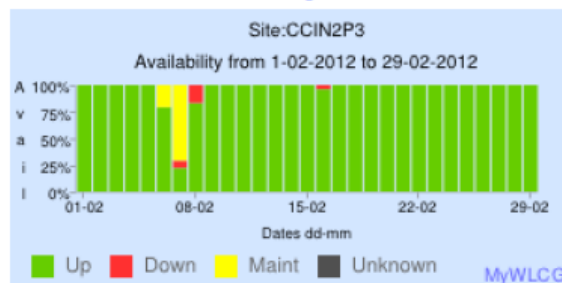
February 2012

Availability is calculated as uptime / (total_time - time_status_was_UNKNOWN)

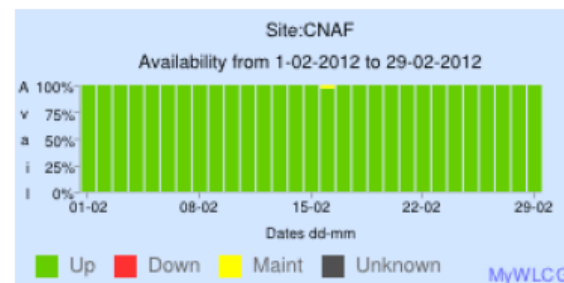
Target reliability for each site is 97 % and Target for 8 best sites is 98 %



CERN Avail : 100 % Unkn : 0 %



CCIN2P3 Avail : 96 % Unkn : 0 %



CNAF Avail : 100 % Unkn : 0 %



Services criticality, response time.....

- MB 10/01/2012 follow-up
 - List of Experiment Critical Services
- Proposition : common definitions for service incidents
 - following ITIL terminology and WLCG MoU, Annex 3
- Proposed terminology : for each WLCG service, each experiment
 - **The Impact** on operations and people of a complete service failure (the amount of “damage” done if no action is taken / the effect)
 - **The Urgency** : The time before the full impact is reached (how “urgent” it is to fix the service to prevent such damage from happening) – **not the ‘response time’**
- Proposed scale : definition for each level from 0 to 10

Level	Definition
10	Most ops services stop
1	One “support” service disrupted

Scale used for **Impact**

F.Chollet, F.Malek, P.Girard

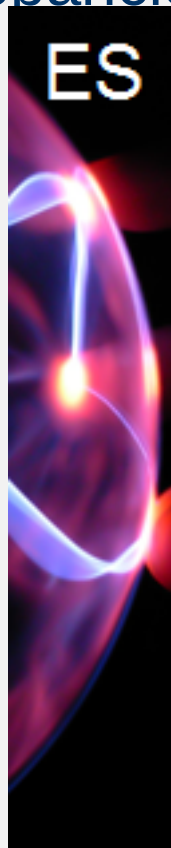
Level	Time (hours)
10	0
1	72

Scale used for **Urgency**



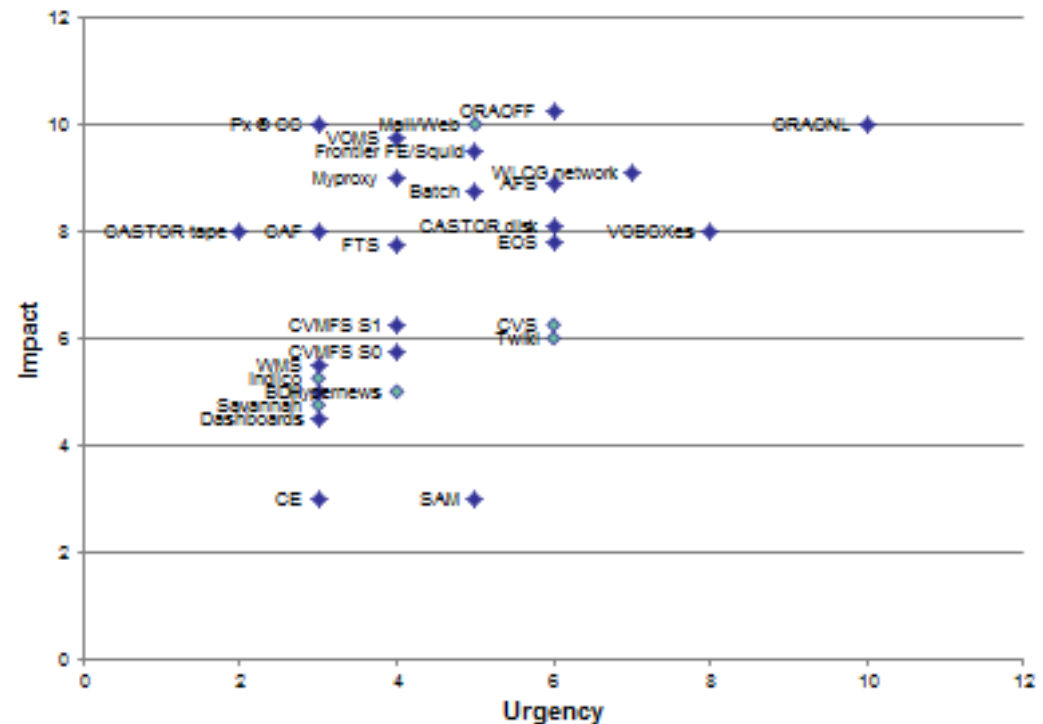
Services criticality, response time.....

- Two-dimensional assesement per experiment = > Services priorities
- Next : Analyze discrepancies among the experiments, input for operations
- Tier-0 exercise
- Tier-1 declinaison
- More to come...



CMS distribution

CERN IT
Department



- Security TEG : Risk analysis

https://espace.cern.ch/WLCG-document-repository/Boards/MB/WLCG_Risk_Assessment.pdf

- Misused identities (ssh type include) 90 % of incidents
- WLCG main asset : Reputation
- Top risks (3/11) : Misused identities, Attack propagation between WLCG sites, Exploitation of OS vulnerabilities

- Process for accepting new Tier-1 (discussed at the OB)

- Accepted : KISTI Korea ALICE (now T2)
- Followed by : Russie T1 for all VOS
- Intention : T1 for ALICE in Mexico, India - ALICE, CMS

- NEW / PRELIMINARY Feasibility study of common analysis system for ATLAS and CMS

- Remote Tier-0 in Budapest (*need for extension since 2006, now prototyping...in production in 2014*)