

# CPPM Report

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**ATLAS Cloud FR Workshop**  
**18<sup>th</sup> June 2012**

# Plan

- History
- Hardware
  - Room
  - CPU
  - Storage
  - Network
- Activities



# History

- CPPM starts grid project in 2000
- EDG 2000->2004 with UREC people
- EGEE since April 2004
- CPPM scientific council December 2005 “plan calcul”
- T3 LCG
- EGI May 2010
- T2 LCG September 2010



# Hardware: Computer room

50 m<sup>2</sup>

Update in 2006

Cooling:

3 units of 32kW

Air flow in the floor

UPS:

2 units of 40 kVA





# Hardware: CPU

CPU =>

1 LCG-CE: to be stopped

2 Cream-CE:

1 NFS Server: Netapp

76 Nodes: 900 CPU core

45 Dell PE1950 2 CPU xeon X5420 4core Mem 16 Go

12 Dell R410 2 CPU Xeon X5550 6core Mem 48 Go

5 Dell C6100 4x2 CPU Xeon X5650 6core Mem 48 Go

(+ 3 Dell C6100 to be installed)



# Hardware: Storage

500 To – 460 To for ATLAS

1 SE DPM

23 Dell Servers R510 10Go network

+ MD1200 (3 installed, 9 to be installed)

1 Squid server

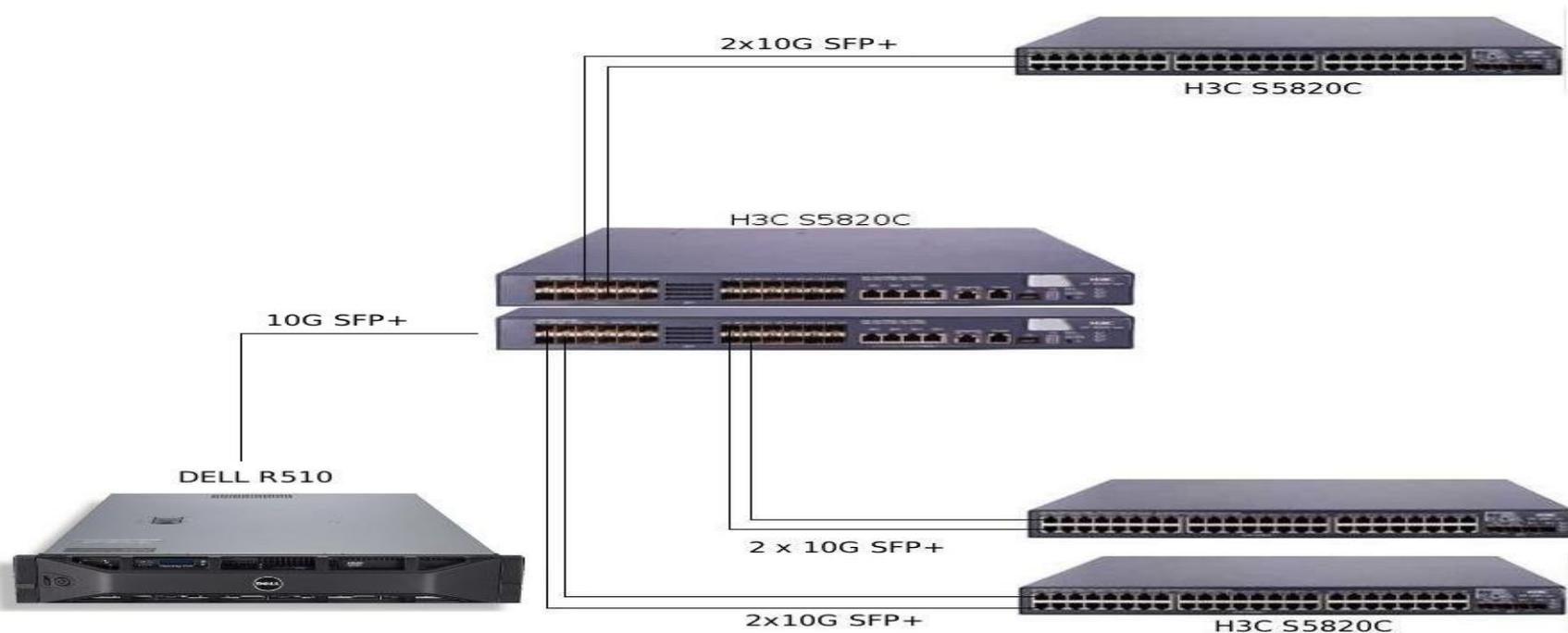


# Network internal

10 Gb Network core

2 Core : 24 ports 10Gb + 4 ports 1Gb

3 Switch 48 ports 1Gb link with core  
with 2 X 10 Gb

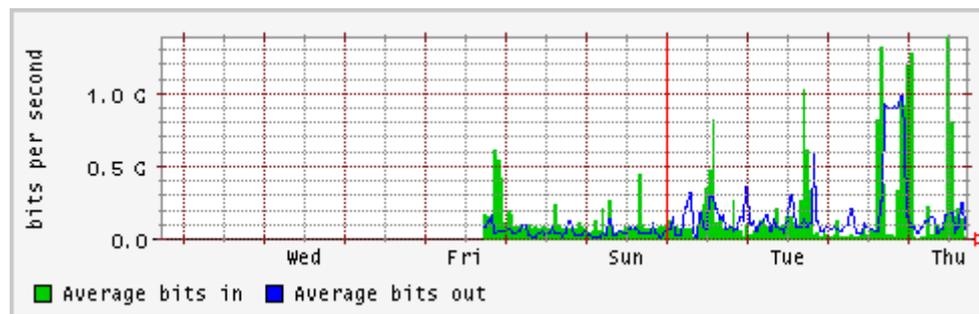
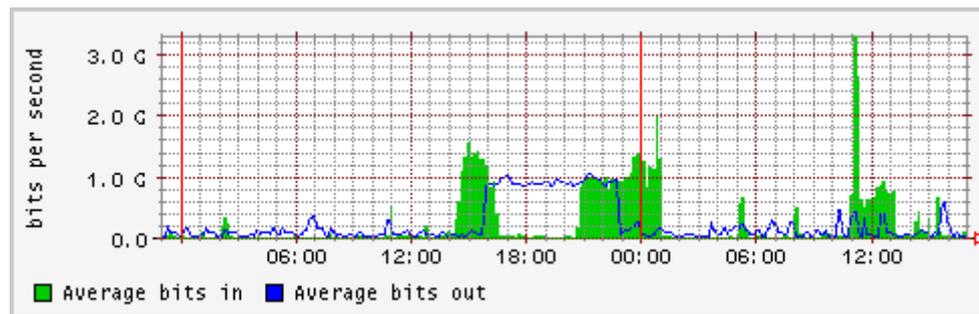




# Network

**NEW: 8<sup>th</sup> June 2012 10 Gb/s connection**

**+ connection to LHCONE not yet T2D**

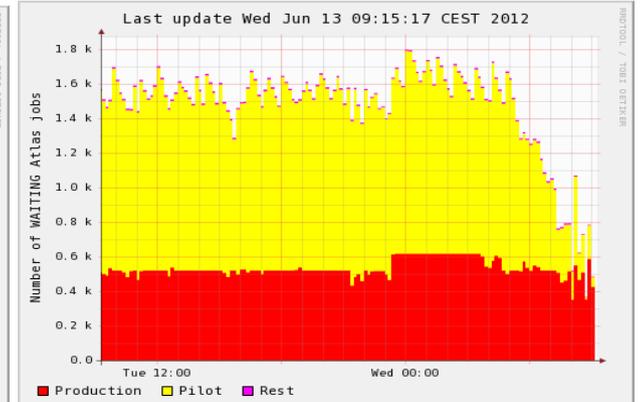
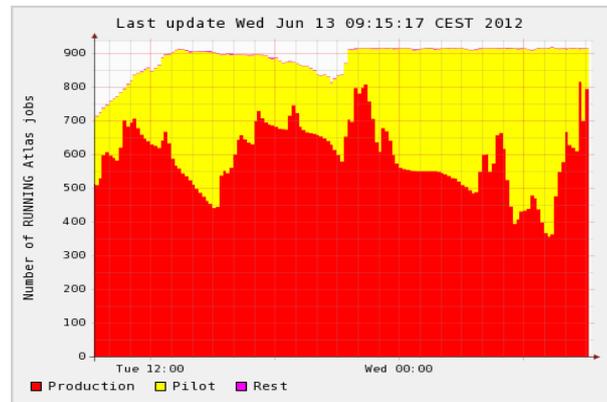
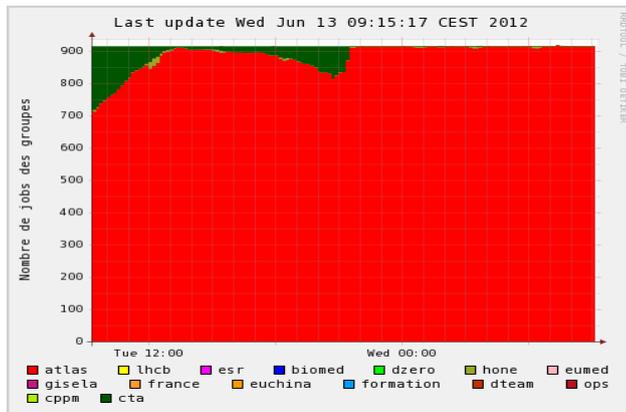
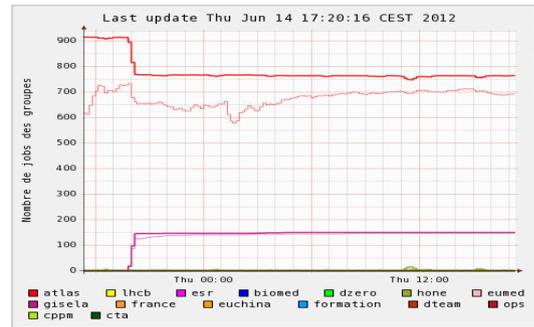
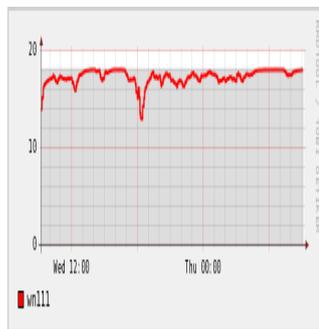
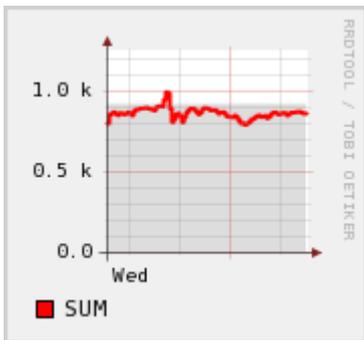






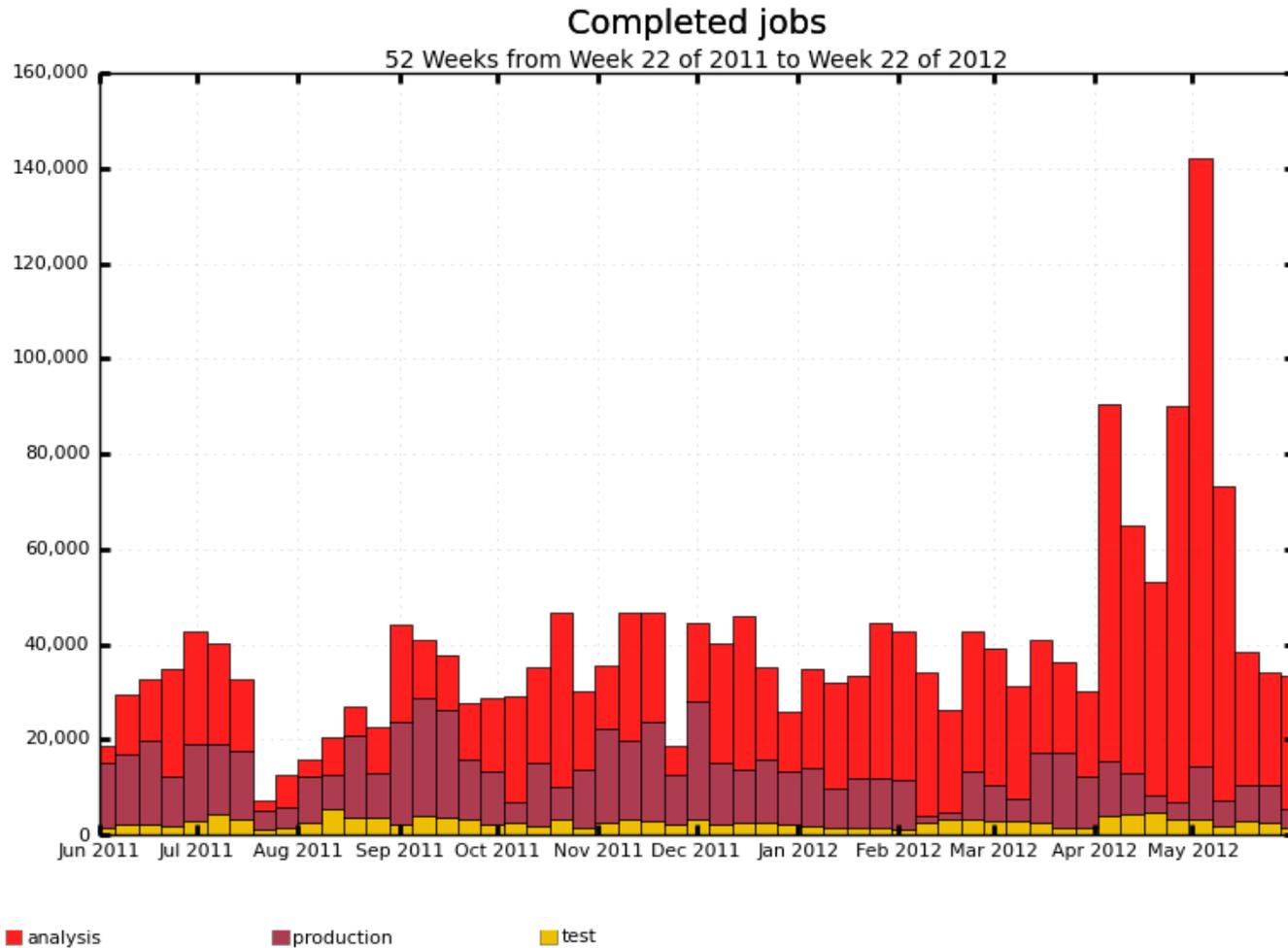
# Monitoring

## Local scripts:





# ATLAS Activities

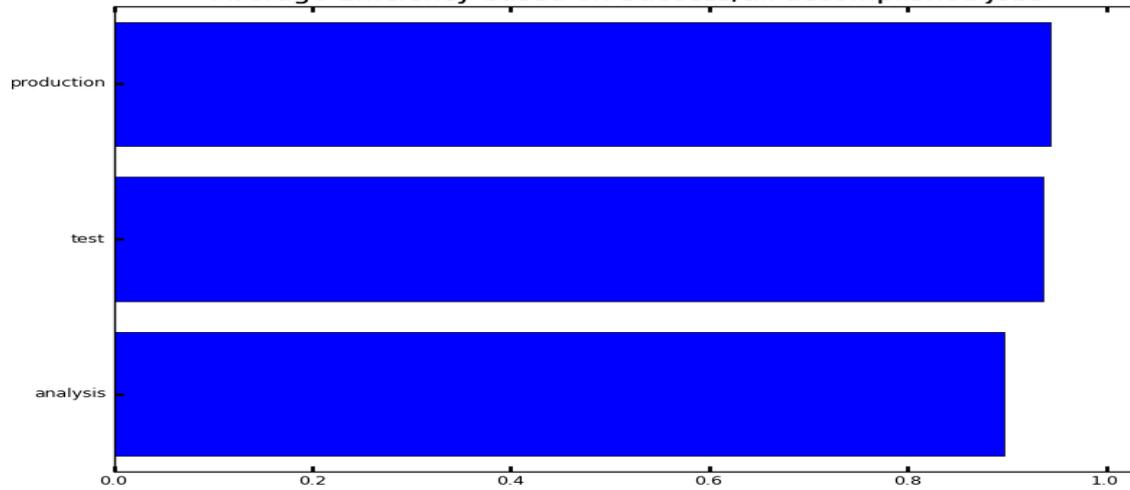


Maximum: 141,973 , Minimum: 0.00 , Average: 38,570 , Current: 33,469

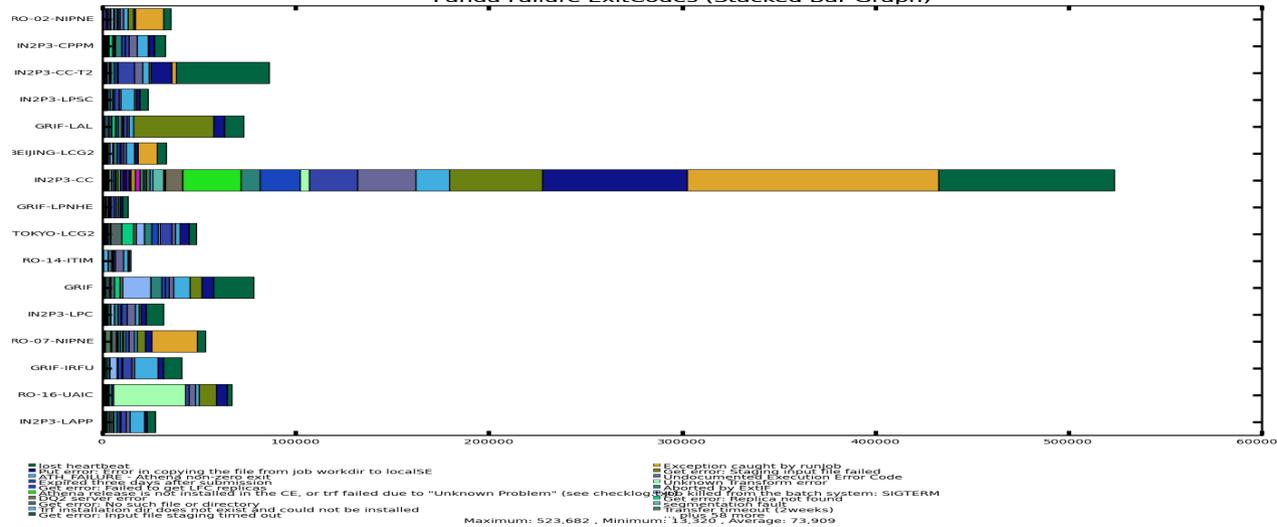


# ATLAS Activities

Average Efficiency based on Success/all accomplished jobs



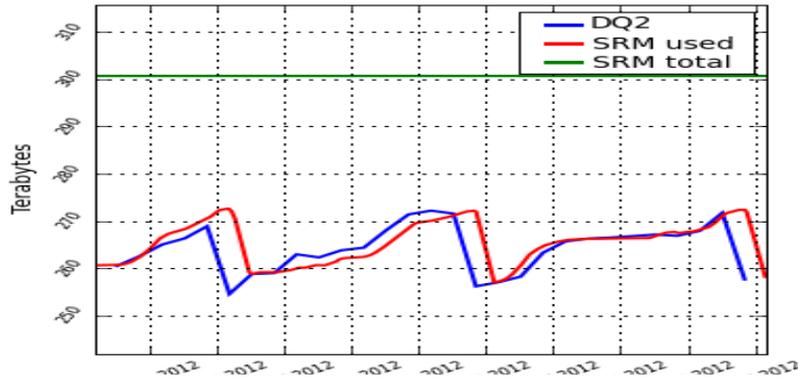
Panda Failure ExitCodes (Stacked Bar Graph)



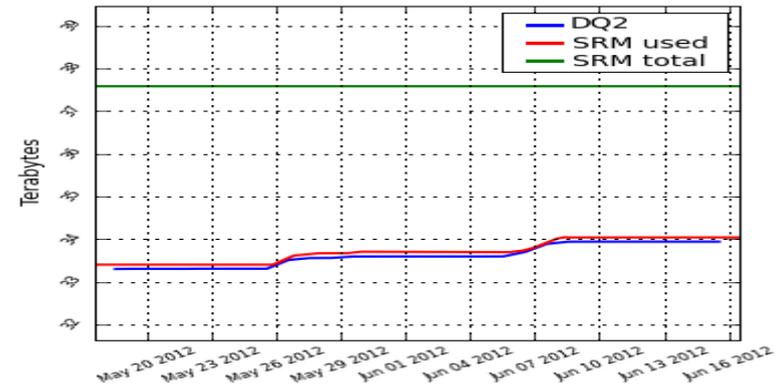


# ATLAS Activities

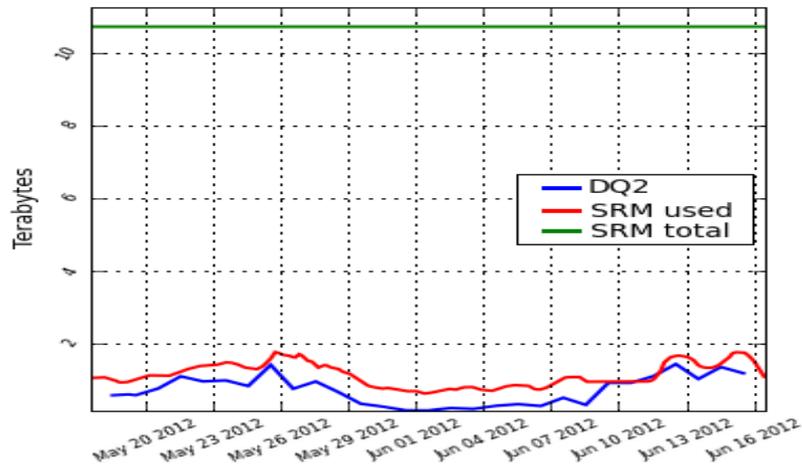
Used disk space for IN2P3-CPPM\_DATADISK



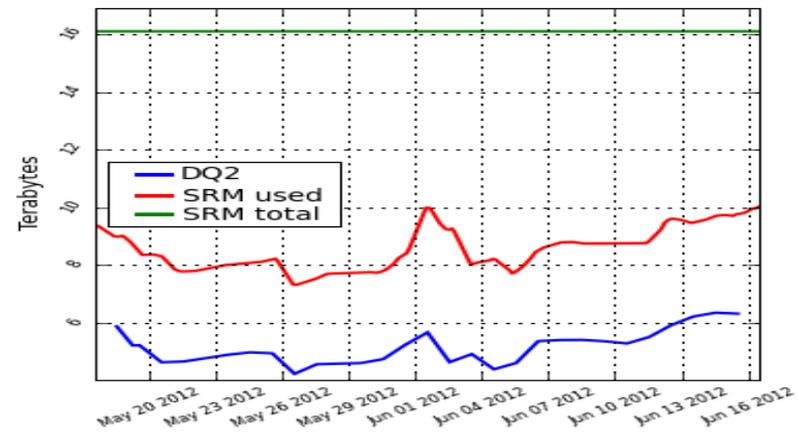
Used disk space for IN2P3-CPPM\_LOCALGROUPDISK



Used disk space for IN2P3-CPPM\_PRODDISK



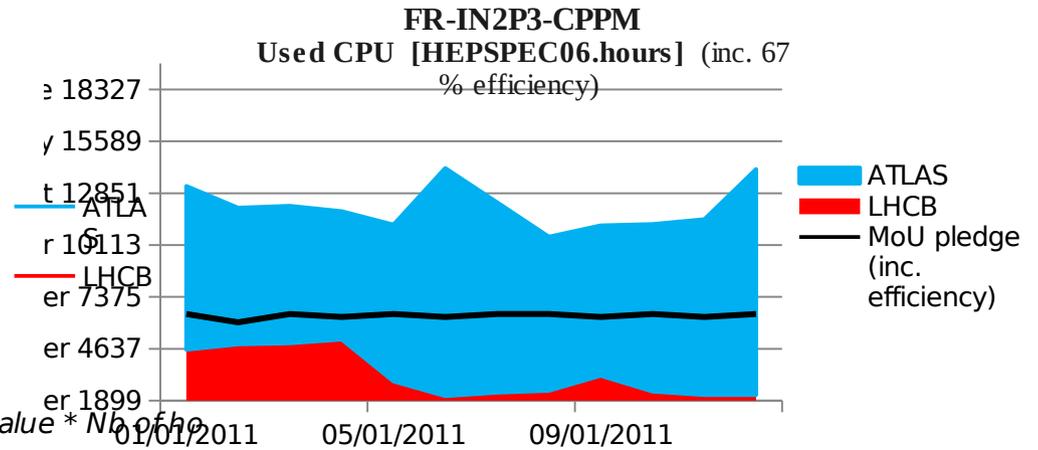
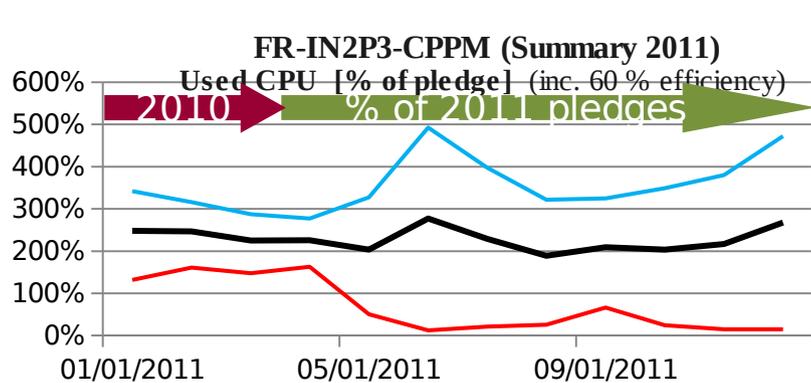
Used disk space for IN2P3-CPPM\_SCRATCHDISK





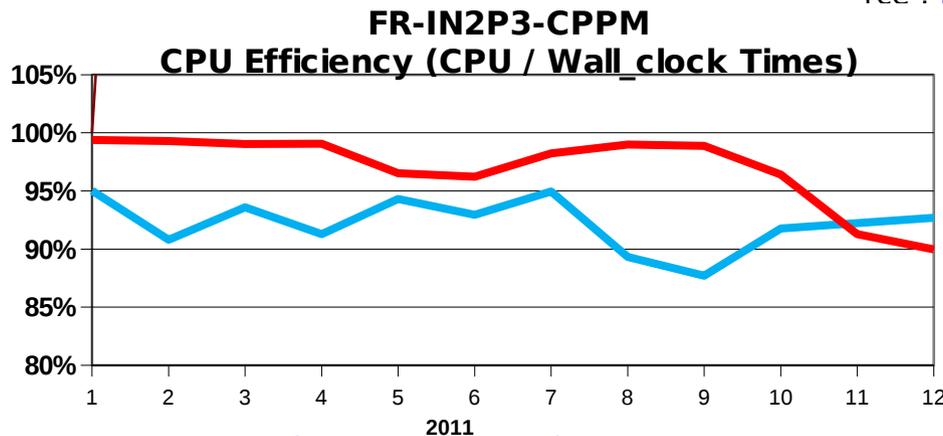
# ATLAS Activities

- F Chollet lcg france report



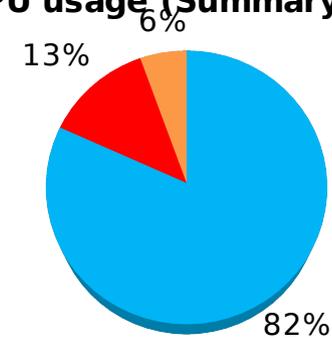
Time expended in the month (HEP-SPEC06.hours) / Pledge value \* No. of hours

Source : [EGI accounting portal \(CESGA\)](#)



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FR-IN2P3-CPPM CPU usage (Summary 2010)





# Questions

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