

Monitoring at CC
July 5, 2011

Monitoring is not accounting
Accounting is not monitoring

Monitoring & Accounting

- we need both
 - with consistent information between accounting and monitoring systems
 - no human interaction
- Accounting :
 - to facilitate preparation of reports
 - to know/understand where we are going
- Monitoring
 - to follow system behavior
 - to track and correlate problems

Accounting

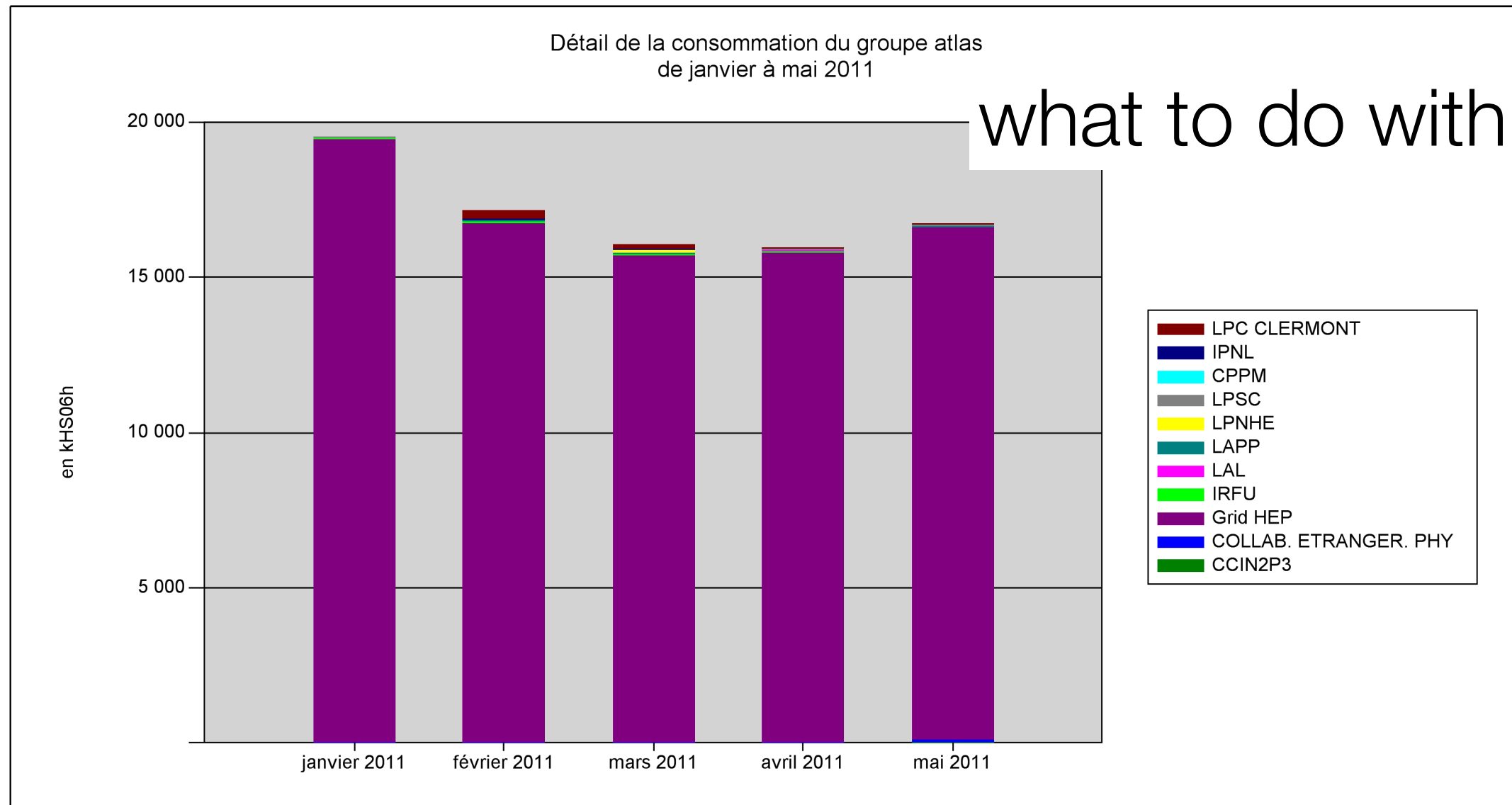
- Regular up to date summary of resources usage
 - at a given point in time but also with some history
- Disk
 - deployed vs allocation
 - usage by category
- CPU consumption
 - comparison with allocation
 - by categories

Monitoring

- Monitoring of key components for ATLAS operations
 - summarized into an ATLAS operation page at CC (to be developed by ATLAS support?) ?
- With historical views
- Should trigger warnings?

Rapport mensuel

Répartition de la consommation par laboratoire
Pour le groupe atlas - mai 2011



1 heure UI = 50 heures SI2K = 1/5 heures HEP-SPEC06

rapport créé le 27/06/2011

Répartition de la consommation par laboratoire pour un groupe : 3/4

This is not an accounting report

No comparison with allocation

Détail de la consommation par tiers Pour le groupe LHC atlas - mai 2011



mai 2011					
	Nombre Jobs	CPU Consommé		Temps Elapse	
		HS06 h	%	HS06 h	%
atlas	740 357	16 730 994	100,00 %	25 345 852	100,00 %
soumission locale	20 967	192 758	1,15 %	210 697	0,83 %
tier1	409 211	13 289 248	79,43 %	19 521 147	77,02 %
tier2	310 179	3 248 988	19,42 %	5 614 008	22,15 %
TOTAL	740 357	16 730 994	100,00 %	25 345 852	100,00 %

Consommation de janvier à mai 2011					
	Nombre Jobs	CPU Consommé		Temps Elapse	
		HS06 h	%	HS06 h	%
atlas	5 488 550	85 435 249	100,00 %	114 717 243	100,00 %
soumission locale	127 656	1 113 183	1,30 %	1 319 313	1,15 %
tier1	2 179 771	54 594 817	63,90 %	71 508 425	62,33 %
tier2	3 181 123	29 727 249	34,80 %	41 889 505	36,52 %
TOTAL	5 488 550	85 435 249	100,00 %	114 717 243	100,00 %

Tier3 grid part?

This meeting is an opportunity to expose to CC
How ATLAS is organized (see next talks)
What we need for smooth operation