

# Computing Resources

Offline week 24/06/2009

# New requirements

- Taking into account the LHC schedule
  - pp run from October 2009 to September 2010
  - AA run in Octobre 2010
  - Requirements independent of luminosity; quarterly profile follows LHC duty cycle
  - see document attached to agenda

# Requirements and pledges

- No compromise on the Computing Model
- Reprofiting of the resources

		2009				2010				2011			
		T0	CAF	T1	T2	T0	CAF	T1	T2	T0	CAF	T1	T2
CPU (KSI2K)	Requested	8,0	2,6	10,7	9,4	9,1	2,6	14,4	22,4	12,1	3,5	22,4	25,0
	Missing	12%	0%	-4%	36%	5%	-1%	5%	-10%	-1%	0%	-10%	0%
Disk (TB)	Requested	2 544	300	4 384	3 427	5 076	340	10 351	8 550	6 768	453	13 802	11 399
	Missing	65%	0%	-11%	20%	-17%	0%	-34%	-31%	-29%	0%	-32%	-31%
MSS (TB)	Requested	3 738	-	6 259	-	6 802	-	12 639	-				
	Missing	95%	-	-1%	-	26%	-	-19%	-				

# Accounting

- WLCG report (<http://lcg.web.cern.ch/LCG/accounts.htm>)
  - data collected from sites
  - no data for disk at T2s
- ALICE MonALISA (<http://pcalimonitor.cern.ch/reports/index.jsp>)
  - real usage based on CPU type (no average)
  - real disk usage
  - no tape usage

# MonALISA accounting

## Jan-June 2009

ALICE Grid Monitoring with MonALISA - ALICE reports

http://pcalimonitor.cern.ch/stats?page=reports%2Ftab\_last\_6months

Carnet d'adresses Wolfram|Alpha Le Site du Zé...eb, Linux... QM2011 .Mac - iDisk Apple Yahoo! Google Maps Wikipédia Banques Divers YouTube

ALICE Grid Monitoring with MonA...

### Report on ALICE groups' activity (24.12.2008 - 23.06.2009)

Group	Pledged	Delivered		Occupancy	Missing KSI2K	Efficiency	Job statistics		
	KSI2K	CPU	Wall	Wall/Pledged	Pledged - Wall	CPU/Wall	Assigned	Completed	Efficiency
1. Brasil	0	-	-	-	-	-	-	-	-
2. CERN	11605	571.1	644.6	5.554%	10960	88.6%	421348	257110	61.02%
3. China	0	-	-	-	-	-	-	-	-
4. Czech Republic	154	83.64	93.5	60.72%	60.5	89.45%	92329	24031	26.03%
5. Germany	5692	1144	1233	21.67%	4458	92.77%	553203	324940	58.74%
6. Greece	80	26.11	29.22	36.52%	50.78	89.38%	8303	3995	48.12%
7. HLT	60	-	-	-	60	-	-	-	-
8. Hungary	100	37.84	40.48	40.48%	59.52	93.46%	13218	6689	50.61%
9. IN2P3	2361	1076	1298	55.01%	1062	82.87%	900772	395226	43.88%
10. India	350	24.06	29.19	8.34%	320.8	82.44%	20558	5797	28.2%
11. INFN	2171	663.2	901.7	41.53%	1269	73.55%	935844	278317	29.74%
12. Japan	0	1.141	1.582	-	-	72.15%	519	419	80.73%
13. Mexico	22	3.13	3.457	15.71%	18.54	90.52%	1297	80	6.168%
14. NDGF	2461	535.8	612.8	24.9%	1848	87.43%	685239	124383	18.15%
15. Other	5	-	-	-	5	-	-	-	-
16. Pakistan	0	-	-	-	-	-	-	-	-
17. Poland	410	977.6	1205	294.1%	-	81.07%	295797	119393	40.36%
18. RDIG	1059	671.4	785.4	74.16%	273.6	85.49%	505964	153375	30.31%
19. Republic of Korea	183	28.28	33.43	18.27%	149.6	84.6%	72552	8019	11.05%
20. Romania	1379	875.3	1128	81.8%	250.9	77.6%	676112	378455	55.98%
21. Slovakia	80	6.388	6.915	8.644%	73.08	92.38%	3547	740	20.86%
22. South Africa	10	-	-	-	10	-	-	-	-
23. Spain	246	39.67	43.7	17.77%	202.3	90.77%	8319	1329	15.98%
24. The Netherlands	794	325.5	365.8	46.07%	428.2	88.97%	146651	61236	41.76%
25. UK	336	202.7	226.3	67.36%	109.7	89.58%	56979	34940	61.32%
26. Ukraine	250	74.26	79.93	31.97%	170.1	92.9%	56757	3013	5.309%
27. US	2371	94.58	110.7	4.667%	2260	85.46%	157303	9651	6.135%
<b>Total</b>	<b>32179</b>	<b>7461</b>	<b>8874</b>		<b>24101</b>		<b>5612611</b>	<b>2191138</b>	

# MonALISA accounting

## May-June 2009

ALICE Grid Monitoring with MonALISA - ALICE reports

http://pcalimonitor.cern.ch/stats?page=reports%2Ftab\_last\_2months

What is this about?

**Report on ALICE groups' activity (24.04.2009 - 23.06.2009)**

Group	Pledged	Delivered		Occupancy	Missing KSI2K	Efficiency	Job statistics		
	KSI2K	CPU	Wall	Wall/Pledged	Pledged - Wall	CPU/Wall	Assigned	Completed	Efficiency
1. Brasil	0	-	-	-	-	-	-	-	-
2. CERN	11605	930.7	1000	8.624%	10604	92.99%	176468	94579	53.6%
3. China	0	-	-	-	-	-	-	-	-
4. Czech Republic	154	94.2	108.9	70.68%	45.15	86.54%	70507	12336	17.5%
5. Germany	5692	1201	1290	22.68%	4401	93.06%	282726	161738	57.21%
6. Greece	80	63.08	71.12	88.89%	8.885	88.7%	6850	3514	51.3%
7. HLT	60	-	-	-	60	-	-	-	-
8. Hungary	100	114.8	122.8	122.8%	-	93.49%	13310	6706	50.38%
9. IN2P3	2361	1923	2372	100.5%	-	81.08%	521775	290769	55.73%
10. India	350	71.82	87.09	24.88%	262.9	82.47%	18653	4777	25.61%
11. INFN	2171	1217	1674	77.14%	496.3	72.68%	412777	201188	48.74%
12. Japan	0	3.842	5.409	-	-	71.03%	473	350	74%
13. Mexico	22	7.932	8.778	39.9%	13.22	90.36%	999	65	6.507%
14. NDGF	2461	696.8	805.8	32.74%	1655	86.47%	209525	64355	30.71%
15. Other	5	-	-	-	5	-	-	-	-
16. Pakistan	0	-	-	-	-	-	-	-	-
17. Poland	410	2248	2787	679.9%	-	80.65%	161064	81335	50.5%
18. RDIG	1059	1039	1230	116.2%	-	84.45%	182669	87517	47.91%
19. Republic of Korea	183	84.23	97.95	53.53%	85.05	85.99%	14522	6964	47.95%
20. Romania	1379	1073	1485	107.7%	-	72.25%	401351	201473	50.2%
21. Slovakia	80	14.67	16	20%	64	91.66%	3044	547	17.97%
22. South Africa	10	-	-	-	10	-	-	-	-
23. Spain	246	61.26	68.74	27.94%	177.3	89.13%	4208	0	0
24. The Netherlands	794	409.4	453.7	57.14%	340.3	90.25%	52173	22228	42.6%
25. UK	336	409.2	465.1	138.4%	-	88%	42542	21200	49.83%
26. Ukraine	250	45.77	49.46	19.79%	200.5	92.53%	6191	1807	29.19%
27. US	2371	224.3	248.8	10.49%	2122	90.15%	31241	5365	17.17%
<b>Total</b>	<b>32179</b>	<b>11934</b>	<b>14451</b>		<b>20551</b>		<b>2613068</b>	<b>1268813</b>	

# Your tasks...

- If you do not agree (understand) this accounting
- And considering that the AliEn services were fully efficient
  - Check if the pledges are the real ones [http://pcalimonitor.cern.ch/pledged\\_future.jsp](http://pcalimonitor.cern.ch/pledged_future.jsp)
  - Check at your sites if what is installed and made available to the ALICEV0 is what has been pledged
  - Check if the site accounting and the ML one is the same, if not understand how the site does the calculation
  - Report to me (15 FA contacted, 5 answered !)