

## **WLCG - Tier-2 Accounting Summary**

## **March 2008**

Efficiency factor for Tier-2 sites - utilisation 60% of pledge as specified in TDR

CPU usage in month (KSI2K-Hrs)

Pederation   Pledge (KSIZK)   Mrs   Site(s)   AUCE   ATLAS   CMS   IMC)   of pledge   AUSTAIGAL (UNIVERSITY OF Melbourne   17,856   1,352		2007 CPU	efficiency (KSI2K-							delivered as %
Austrian	Federation			Site(s)	ALICE	ATLAS	CMS	LHCb	Total	of pledge
Austria, Austrian Tier-2 Federation  ##PHY-UIBK  40  187,488  46,619  46,619  46,619  27,761  BEgird-UB-VUB  BEgird-UB-VUB  BEGIrd-UB-TUB  BE	Australia, University of Melbourne			Australia-UNIMELB-LCG2		1,392			1,392	
AT-HEPHY-VIENNA-UIBK 420  BEGIN-UIB-VUENNA-UIBK 420  BEGIN-UIB-VUB BEGIN	AU-ATLAS	40	17,856	5		1,392			1,392	8%
Beginn   B	Austria, Austrian Tier-2 Federation			HEPHY-UIBK		4,619			4,619	
BETIER2 600 267,840	AT-HEPHY-VIENNA-UIBK	420	187,488	3		4,619			4,619	2%
BE-TIER2   600   267,840   ET-MINE   27,701   27,701   10%   10%   117,241   6,202   23,443   3.38   13%	Belgium, Belgian Tier-2 Federation			BEgrid-ULB-VUB			22,756		22,756	
China, IHEP, Beijing         BEUING-LCG2         17,241         6,202         23,443           CN-IHEP         400         178,560         17,241         6,202         23,443         13%           Czech Rep., FZU AS, Prague         prague_cesnet_log2         21,075         4,867         25,942         25,942           Cz-Prague-TZ         80         35,712         21,078         12,190         33,268         93%           FI-12         HIP-T2         HIP-T2         HIP-T2         187         83,477         83,477         144,712         31,460         836,075         585           France, CG-IN2P3 AF         IN2P3-CC-T2         3,830         656,073         144,712         31,460         836,075         585           FR-IN2P3-CC-T2         320         142,848         3,830         656,073         144,712         31,460         836,075         585           France, GRIF, Paris         GRIF         52,505         646,233         22,036         4,908         725,682         279%           France, LAPP, Annecy         IN2P3-LAPP         124,348         9,467         133,815         86%           France, LPC, Clermont-Ferrand         IN2P3-LPC         28         118,813         764         118,823				BelGrid-UCL			4,945		4,945	
Name	BE-TIER2	600	267,840	)			27,701		27,701	10%
Praguelcg2	China, IHEP, Beijing			BEIJING-LCG2		17,241	6,202		23,443	
Prague_Cesnet_Icg2   3 7,323   7,326	CN-IHEP	400	178,560	)		17,241	6,202		23,443	13%
CZ-Prague-T2   80   35,712   21,078   12,190   33,268   93%   Finland, NDGF/HIP Tier2   HIP-T2   187   83,477   S4,777   S4,772	Czech Rep., FZU AS, Prague			praguelcg2	21,075	4,867			25,942	
Finland, NDGF/HIP Tier2				prague_cesnet_lcg2	3	7,323			7,326	
FFHIP-T2	CZ-Prague-T2	80	35,712	2	21,078	12,190			33,268	93%
France, CC-IN2P3 AF   IN2P3-CC-T2   3,830   656,073   144,712   31,460   836,075   585%   5	Finland, NDGF/HIP Tier2			HIP-T2						
FR-INZP3-CC-T2         320         142,848         3,830         656,073         144,712         31,460         836,075         585%           France, GRIF, Paris         GRIF         52,505         646,233         22,036         4,908         725,682         -           FR-GRIF         583         260,251         52,505         646,233         22,036         4,908         725,682         279%           France, LAPP, Annecy         IN2P3-LAPP         124,348         9,467         133,815         86%           France, LPC, Clermont-Ferrand         IN2P3-LPC         28         118,031         764         118,823         59%           France, SUBATECH, Nantes         IN2P3-SUBATECH         100,894 <t< td=""><td>FI-HIP-T2</td><td>187</td><td>83,477</td><td>,</td><td></td><td></td><td></td><td></td><td></td><td></td></t<>	FI-HIP-T2	187	83,477	,						
France, GRIF, Paris   S2,505   646,233   22,036   4,908   725,682   725,681   725,681   725,681   725,681   725,681   725,681   725,681   725,681   725,681   725,682   725,681   725,681   725,682   725,681   725,681   725,682   725,681   725,681   725,682   725,681   725,682   725,681   725,682   725,681   725,682   725,681   725,682   725,681   725,682   725,681   725,682   725,682   725,681   725,682   725,681   725,682   725,681   725,682   725,681   725,68	France, CC-IN2P3 AF			IN2P3-CC-T2	3,830	656,073	144,712	31,460	836,075	
FR-GRIF         583         260,251         52,505         646,233         22,036         4,908         725,682         27%           France, LAPP, Annecy         IN2P3-LAPP         124,348         9,467         133,815         86%           FR-IN2P3-LAPP         350         156,240         124,348         9,467         133,815         86%           France, LPC, Clermont-Ferrand         IN2P3-LPC         28         118,031         764         118,823         59%           FR-IN2P3-LPC         450         200,880         28         118,031         764         118,823         59%           France, SUBATECH, Nantes         IN2P3-SUBATECH         100,894 <td>FR-IN2P3-CC-T2</td> <td>320</td> <td>142,848</td> <td>1</td> <td>3,830</td> <td>656,073</td> <td>144,712</td> <td>31,460</td> <td>836,075</td> <td>585%</td>	FR-IN2P3-CC-T2	320	142,848	1	3,830	656,073	144,712	31,460	836,075	585%
France, LAPP, Annecy   102P3-LAPP   124,348   9,467   133,815   135,815	France, GRIF, Paris			GRIF	52,505	646,233	22,036	4,908	725,682	
FR-IN2P3-LAPP         350         156,240         124,348         9,467         133,815         86%           France, LPC, Clermont-Ferrand         IN2P3-LPC         28         118,031         764         118,823         59%           FR-IN2P3-LPC         450         200,880         28         118,031         764         118,823         59%           France, SUBATECH, Nantes         IN2P3-SUBATECH         100,894         100,894         100,894         100,894         101%           FR-IN2P3-SUBATECH         224         99,994         100,894         10,894         100,894         101%           Germany, GSI, Darmstadt         GSI-LCG2         6,339         6,339         6,339         6,339         5%           DE-GSI         260         116,064         6,339         14,784	FR-GRIF	583	260,251	L	52,505	646,233	22,036	4,908	725,682	279%
France, LPC, Clermont-Ferrand         IN2P3-LPC         28         118,031         764         118,823           FR-IN2P3-LPC         450         200,880         28         118,031         764         118,823         59%           France, SUBATECH, Nantes         IN2P3-SUBATECH         100,894         100,894         100,894         100,894         100,894         100,894         101%           Germany, GSI, Darmstadt         GSI-LCG2         6,339         6,339         6,339         5%           DE-GSI         260         116,064         6,339         14,784         14,784         14,784           Germany, ATLAS Federation FR/W         UNI-FREIBURG         14,784         14,784         14,784           DE-FREIBURGWUPPERTAL         80         35,712         103,051         289%           Germany, ATLAS Federation, Munich         LRZ-LMU         149,028         149,028           MPPMU         31,968         31,968	France, LAPP, Annecy			IN2P3-LAPP		124,348		9,467	133,815	
FR-IN2P3-LPC         450         200,880         28         118,031         764         118,823         59%           France, SUBATECH, Nantes         IN2P3-SUBATECH         100,894         100,894         100,894         100,894         101%           FR-IN2P3-SUBATECH         224         99,994         100,894         100,894         101%         6,339         6,339         6,339         6,339         6,339         5%         6,339         14,784         14,784         14,784         14,784         14,784         14,784         14,784         10,285         10,285         10,285         10,285         10,285         10,285         10,285         10,285 <td>FR-IN2P3-LAPP</td> <td>350</td> <td>156,240</td> <td>)</td> <td></td> <td>124,348</td> <td></td> <td>9,467</td> <td>133,815</td> <td>86%</td>	FR-IN2P3-LAPP	350	156,240	)		124,348		9,467	133,815	86%
France, SUBATECH, Nantes         IN2P3-SUBATECH         100,894         100,894           FR-IN2P3-SUBATECH         224         99,994         100,894         100,894         101%           Germany, GSI, Darmstadt         GSI-LCG2         6,339         6,339         6,339         5%           DE-GSI         260         116,064         6,339         14,784         14,784         14,784         14,784         14,784         14,784         14,784         14,784         14,784         14,784         14,784         14,784         103,051         289%         14,784         103,051         289%         14,784         14,	France, LPC, Clermont-Ferrand			IN2P3-LPC	28	118,031		764	118,823	
FR-IN2P3-SUBATECH         224         99,994         100,894         100,894         101%           Germany, GSI, Darmstadt         GSI-LCG2         6,339         6,339         5           DE-GSI         260         116,064         6,339         5%           Germany, ATLAS Federation FR/W         UNI-FREIBURG         14,784         14,784           Wuppertalprod         88,267         88,267           DE-FREIBURGWUPPERTAL         80         35,712         103,051         103,051         289%           Germany, ATLAS Federation, Munich         LRZ-LMU         149,028         149,028         149,028           MPPMU         31,968         31,968         31,968         31,968	FR-IN2P3-LPC	450	200,880	)	28	118,031		764	118,823	59%
Germany, GSI, Darmstadt         GSI-LCG2         6,339         6,339         5%           DE-GSI         260         116,064         6,339         5%         6,339         5%           Germany, ATLAS Federation FR/W         UNI-FREIBURG         14,784         14,784         14,784         14,784         14,784         14,784         14,784         10,784 <td>France, SUBATECH, Nantes</td> <td></td> <td></td> <td>IN2P3-SUBATECH</td> <td>100,894</td> <td></td> <td></td> <td></td> <td>100,894</td> <td></td>	France, SUBATECH, Nantes			IN2P3-SUBATECH	100,894				100,894	
DE-GSI         260         116,064         6,339         5%           Germany, ATLAS Federation FR/W         UNI-FREIBURG         14,784         14,784           wuppertalprod         88,267         88,267           DE-FREIBURGWUPPERTAL         80         35,712         103,051         103,051         289%           Germany, ATLAS Federation, Munich         LRZ-LMU         149,028         149,028           MPPMU         31,968         31,968	FR-IN2P3-SUBATECH	224	99,994	l	100,894				100,894	101%
Germany, ATLAS Federation FR/W         UNI-FREIBURG         14,784         14,784           wuppertalprod         88,267         88,267           DE-FREIBURGWUPPERTAL         80         35,712         103,051         103,051         289%           Germany, ATLAS Federation, Munich         LRZ-LMU         149,028         149,028           MPPMU         31,968         31,968	Germany, GSI, Darmstadt			GSI-LCG2	6,339				6,339	
Wuppertalprod         88,267         88,267           DE-FREIBURGWUPPERTAL         80         35,712         103,051         103,051         289%           Germany, ATLAS Federation, Munich         LRZ-LMU         149,028         149,028           MPPMU         31,968         31,968	DE-GSI	260	116,064	l	6,339				6,339	5%
DE-FREIBURGWUPPERTAL         80         35,712         103,051         103,051         289%           Germany, ATLAS Federation, Munich         LRZ-LMU         149,028         149,028         149,028         31,968	Germany, ATLAS Federation FR/W			UNI-FREIBURG		14,784			14,784	
Germany, ATLAS Federation, Munich         LRZ-LMU         149,028         149,028           MPPMU         31,968         31,968				wuppertalprod		88,267			88,267	
MPPMU 31,968 31,968	DE-FREIBURGWUPPERTAL	80	35,712	1		103,051			103,051	289%
	Germany, ATLAS Federation, Munich			LRZ-LMU		149,028			149,028	
DE-MCAT 100 44,640 180,996 180,996 405%				MPPMU		31,968			31,968	
	DE-MCAT	100	44,640	)		180,996			180,996	405%

	2007 CPU	efficiency (KSI2K-							delivered as %
Federation	Pledge (KSI2K)	Hrs)	Site(s)	ALICE	ATLAS	CMS	LHCb	Total	of pledge
Germany, ATLAS Federation, DESY			DESY-HH		23,250			23,250	
			DESY-ZN		169,895			169,895	
DE-DESY-ATLAS-T2	80	35,712	2		193,145			193,145	541%
Germany, CMS Federation			DESY-HH			15,535		15,535	
			DESY-ZN						
			RWTH-Aachen			212,396		212,396	
DE-DESY-RWTH-CMS-T2	500	223,200	)			227,931		227,931	102%
Hungary, HGCC Federation			BUDAPEST	13,809	532	30,378	158	44,877	
			ELTE						
HU-HGCC-T2	200	89,280	)	13,809	532	30,378	158	44,877	50%
India, TIFR, Mumbai			INDIACMS-TIFR			2		2	
IN-INDIACMS-TIFR	130	58,032	2			2		2	0%
India, VECC/SINP, Kolkata			IN-DAE-VECC-01	3,053				3,053	
IN-DAE-KOLKATA-TIER2	282	125,88	5	3,053				3,053	2%
Israel, HEP-IL Tier-2 Federation			WEIZMANN-LCG2		1		1	2	
			TAU-LCG2	1	569		358	928	
IL-HEPTier-2	61	27,230	)	1	570		359	930	3%
Italy, INFN ALICE Federation			INFN-BARI	4,656				4,656	
			INFN-CATANIA	35,930				35,930	
			INFN-FRASCATI						
			INFN-LNL-2	9,120				9,120	
			INFN-MILANO						
			INFN-NAPOLI-ATLAS	6				6	
			INFN-PISA	7				7	
			INFN-ROMA1						
			INFN-ROMA1-CMS						
			INFN-TORINO	10,622				10,622	
IT-ALICE-federation	550	245,520	)	60,341				60,341	25%
Italy, INFN ATLAS Federation			INFN-BARI		2,600			2,600	
			INFN-CATANIA						
			INFN-FRASCATI		39			39	
			INFN-LNL-2		27,449			27,449	
			INFN-MILANO		2,344			2,344	
			INFN-NAPOLI-ATLAS		6,774			6,774	
			INFN-PISA		18,452			18,452	
			INFN-ROMA1		8,141			8,141	
			INFN-ROMA1-CMS		1,833			1,833	
			INFN-TORINO		9,936			9,936	
IT-ATLAS-federation	400	178,560	)		77,568			77,568	43%
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TEMPS   NEPA SERVE   15,050		2007 CPU	efficiency (KSI2K-							delivered as %
INFN-CATANIA   INFN-FRASCATI   INFN-CATANIA   INFN-FRASCATI   INFN-CATANIA   IN	Federation	Pledge (KSI2K)	Hrs)	Site(s)	ALICE	ATLAS	CMS	LHCb	Total	of pledge
INFN-RACATI	Italy, INFN CMS Federation			INFN-BARI			15,050		15,050	
INFN-LIL-2   134,471   1				INFN-CATANIA						
INFN-MAPOLIATIAS				INFN-FRASCATI						
INFN-NAPOLI-ATLAS   1   1   1   1   1   1   1   1   1				INFN-LNL-2			134,471		134,471	
NFN-PISA   122,691   122				INFN-MILANO						
NFN-ROMA1 CMS   3,048   3,048   3,048   10				INFN-NAPOLI-ATLAS			1		1	
INFN-ROMA1-CMS   3,048   3,0				INFN-PISA			122,691		122,691	
INFN-TORINO				INFN-ROMA1						
T-CMS-federation				INFN-ROMA1-CMS			3,048		3,048	
INFN-BARI   1,864				INFN-TORINO						
INFN-CATANIA	IT-CMS-federation	400	178,56	0			275,261		275,261	154%
INFN-FRASCATI	Italy, INFN LHCb Federation			INFN-BARI				1,864	1,864	
INFN-NILP-12   364   3				INFN-CATANIA				143	143	
INFN-MILANO				INFN-FRASCATI						
INFN-NAPOLI-ATLAS   519   51				INFN-LNL-2				364	364	
INFN-PISA   344   344   344   344   344   344   344   344   344   344   344   344   344   344   344   345				INFN-MILANO				60	60	
INFN-ROMA1				INFN-NAPOLI-ATLAS				519	519	
INFN-ROMA1-CMS				INFN-PISA				344	344	
INFN-TORINO				INFN-ROMA1						
TI-HCb-federation   150   66,960   259,386				INFN-ROMA1-CMS						
TOKYO-LCG2   259,386   2				INFN-TORINO				147	147	
IP-Tokyo-ATLAS-T2         1,000         446,400         259,386         58%           Norway, UNINETT SIGMA Tier-2         NO-NORGRID-T2         NO-NORGRID-T2         NO-NORGRID-T2         S99         61         378         1,032         1,032         1,032         1,032         1,032         1,032         1,032         1,032         1,032         1,032         1,032         1,032         1,032         1,032         1,032         1,032         1,032	IT-LHCb-federation	150	66,96	0				3,441	3,441	5%
Norway, UNINETT SIGMA Tier-2         NO-NORGRID-T2           No-NORDGRID-T2         NCP-LCG2         599         61         378         1,038           PAKISTAIN, Pakistan Tier-2 Federation         NCP-LCG2         243         50         293           PK-CMS-T2         410         183,024         842         61         428         1,331         1%           Poland, Polish Tier-2 Federation         AMD64.PSNC.PL         1,032         1         1         2         1         2         1         2         1         3         1         1         2         1         2         1         2         1         2         1         2         1         2         1         2         1         2         1         2         1         2         1         2         1         2         1         2         2         1         2         1         2         2         1         2         1         2         2         1         2         1         3         1         4         4         2         1         3         6         1         1         2         1         2         2         1         3         2         4         4	Japan, ICEPP, Tokyo			TOKYO-LCG2		259,386			259,386	
NO-NORDGRID-T2           Pakistan, Pakistan Tier-2 Federation         NCP-LCG2         599         61         378         1,038           PK-CMS-T2         PK-CMS-T2         410         183,024         842         61         428         1,331         1%           Poland, Polish Tier-2 Federation         AMD64.PSNC.PL         1,032         1,032         1,032         1	JP-Tokyo-ATLAS-T2	1,000	446,40	0		259,386			259,386	58%
Pakistan, Pakistan Tier-2 Federation         NCP-LCG2         599         61         378         1,038           PK-CMS-T2         410         183,024         842         61         428         1,331         1%           Poland, Polish Tier-2 Federation         AMD64.PSNC.PL         1,032         1,032         1           CYFRONET-IA64         5         6         11         1           CYFRONET-LCG2         3         155,726         692         156,421           egee.man.poznan.pl         4,003         3         4,006           PSNC         8         13,553         583         14,144           WARSAW-EGEE         2         18         3,761         446         4,227	Norway, UNINETT SIGMA Tier-2			NO-NORGRID-T2						
PAKGRID-LCG2         243         50         293           PK-CMS-T2         410         183,024         842         61         428         1,331         1%           Poland, Polish Tier-2 Federation         AMD64.PSNC.PL         1,032         1,032         1           CYFRONET-IA64         5         6         11         1           CYFRONET-LCG2         3         155,726         692         156,421           Egee.man.poznan.pl         4,003         3         4,006         4,006           PSNC         8         13,553         583         14,144           WARSAW-EGEE         2         18         3,761         446         4,227	NO-NORDGRID-T2									
PK-CMS-T2         410         183,024         842         61         428         1,331         1%           Poland, Polish Tier-2 Federation         AMD64.PSNC.PL         1,032         1,032         1,032         1,032         1,032         1         1,032         1         1,032         1         1,032         1 </td <td>Pakistan, Pakistan Tier-2 Federation</td> <td></td> <td></td> <td>NCP-LCG2</td> <td></td> <td>599</td> <td>61</td> <td>378</td> <td>1,038</td> <td></td>	Pakistan, Pakistan Tier-2 Federation			NCP-LCG2		599	61	378	1,038	
Poland, Polish Tier-2 Federation         AMD64.PSNC.PL         1,032         1,032           CYFRONET-IA64         5         6         11           CYFRONET-LCG2         3         155,726         692         156,421           egee.man.poznan.pl         4,003         3         4,006           PSNC         8         13,553         583         14,144           WARSAW-EGEE         2         18         3,761         446         4,227				PAKGRID-LCG2		243		50	293	
CYFRONET-IA64         5         6         11           CYFRONET-LCG2         3         155,726         692         156,421           egee.man.poznan.pl         4,003         3         4,006           PSNC         8         13,553         583         14,144           WARSAW-EGEE         2         18         3,761         446         4,227	PK-CMS-T2	410	183,02	4		842	61	428	1,331	1%
CYFRONET-LCG2         3         155,726         692         156,421           egee.man.poznan.pl         4,003         3         4,006           PSNC         8         13,553         583         14,144           WARSAW-EGEE         2         18         3,761         446         4,227	Poland, Polish Tier-2 Federation			AMD64.PSNC.PL		1,032			1,032	
egee.man.poznan.pl         4,003         3         4,006           PSNC         8         13,553         583         14,144           WARSAW-EGEE         2         18         3,761         446         4,227				CYFRONET-IA64	5	6			11	
PSNC         8         13,553         583         14,144           WARSAW-EGEE         2         18         3,761         446         4,227				CYFRONET-LCG2	3	155,726		692	156,421	
PSNC         8         13,553         583         14,144           WARSAW-EGEE         2         18         3,761         446         4,227				egee.man.poznan.pl	4,003	3			4,006	
WARSAW-EGEE 2 18 3,761 446 4,227					8	13,553		583	14,144	
PL-TIER2-WLCG 650 290,160 4,021 170,338 3,761 1,721 179,841 62%				WARSAW-EGEE	2		3,761	446	4,227	
	PL-TIER2-WLCG	650	290,16		4,021		3,761	1,721		62%

Pedega (NEM)   Pedga (NEM)		2007 CPU	efficiency (KSI2K-							delivered as %
PLISBON   23,211   1,371   24,582	Federation	Pledge (KSI2K)	Hrs)	Site(s)	ALICE	ATLAS	CMS	LHCb	Total	of pledge
PT-UP-LCG-Tier2   \$500   \$23,200   \$45,372   \$3,881   \$48,753   \$22	Portugal, LIP Tier-2 Federation			LIP-Coimbra		22,161	2,010		24,171	
NIHAM   135,358   135,35				LIP-Lisbon		23,211	1,371		24,582	_
RO.Q-NIPNE   S6,032   11,172   311   67,515   RO-Q-NIPNE   RO-Q-NIPNE   RO-Q-NIPNE   RO-Q-NIPNE   RO-Q-NIPNE   RO-Q-NIPNE   RO-Q-NIPNE   RO-Q-NIPNE   RO-Q-NIPNE   RO-Q-Q-NIPNE   RO-Q-Q-NIPNE   RO-Q-Q-Q-NIPNE   RO-Q-Q-Q-Q-Q-Q-Q-Q-Q-Q-Q-Q-Q-Q-Q-Q-Q-Q-Q	PT-LIP-LCG-Tier2	500	223,200	)		45,372	3,381		48,753	22%
RO-07-NIPNE   56,032   11,172   311   67,515   RO-11-NIPNE   181	Romania, Romanian Tier-2 Federation			NIHAM	135,358				135,358	
RO-LCG   RU-SPINE   SA   SA   SA   SA   SA   SA   SA   S				RO-02-NIPNE		23,962			23,962	
RO-LCG   735   328,104   191,390   35,134   492   227,016   69%   Russian Fed., Russ				RO-07-NIPNE	56,032	11,172		311	67,515	
RU-Protivino-IHEP   18,419   123,658   7,409   1,025   150,511				RO-11-NIPNE				181	181	_
ITEP	RO-LCG	735	328,104	4	191,390	35,134		492	227,016	69%
INR-LCG2	Russian Fed., Russian Data-Intensive GRID			RU-Protvino-IHEP	18,419	123,658	7,409	1,025	150,511	
RRC-KI				ITEP	43,154	105,377	33,434	17,386	199,351	
ru-Moscow-SINP-LCG2         30,040         12,054         8         4,675         46,777           ru-Moscow-FIAN-LCG2         182         182         182           ru-Moscow-MEPHI-LCG2         238         238         238           RU-SPDSU         3,580         627         75         4,282           RU-Phys-SPDSU         3,580         627         75         4,282           RU-Phys-SPDSU         38,754         93,130         3,860         5,809         141,553           RU-RDIG         3,000         1,339,200         155,289         398,755         71,629         29,918         655,591           SIOvenia, SIGNET         157,700         157,700         157,700         157,700         177%           S-BIGNET         200         89,280         157,700         157,700         177%           Spain, ATLAS Federation         Ifae         35,767         35,767           IFIC-LCG2         114,701         114,701           40,411         145,019         145,019           40,412         145,019         145,019           40,412         145,019         145,019           40,412         141,011         145,019           40,412 <td< td=""><td></td><td></td><td></td><td>JINR-LCG2</td><td>19,918</td><td>62,859</td><td>26,916</td><td>463</td><td>110,156</td><td>_</td></td<>				JINR-LCG2	19,918	62,859	26,916	463	110,156	_
Tru-Moscow-FIAN-LCG2				RRC-KI	1,424	630	2	485	2,541	
Tru-Moscow-MEPHI-LCG2   238				ru-Moscow-SINP-LCG2	30,040	12,054	8	4,675	46,777	
RU-SPISU   3,580   627   75   4,282				ru-Moscow-FIAN-LCG2		182			182	
RU-Phys-SPbSU   Tu-PNPI   38,754   93,130   3,860   5,809   141,553   141,				ru-Moscow-MEPHI-LCG2		238			238	
Tru-PNPI         38,754         93,130         3,860         5,809         141,553           RU-Troitsk-INR-LCG2           RU-RDIG         3,000         1,339,200         155,289         398,755         71,629         29,918         655,591           Slovenia, SiGNET         157,700         157,700         157,700         177%           S-SIGNET         200         89,280         157,700         157,700         177%           Spain, ATLAS Federation         Ifae         35,767         35,767         35,767         35,767         114,701         114				RU-SPbSU	3,580	627		75	4,282	
Ru-Troitsk-INR-LCG2           RV-RDIG         3,000         1,339,200         155,289         398,755         71,629         29,918         655,591           Sloweia, SIGNET         157,700         157,700         157,700         157,700         177%           SI-SIGNET         200         89,280         157,700         157,700         177%           Spain, ATLAS Federation         Ifae         35,767         35,767         114,701         114,701         114,701         114,701         114,701         145,019				RU-Phys-SPbSU						
RU-RDIG         3,000         1,339,200         155,289         398,755         71,629         29,918         655,591           Slovenia, SiGNET         157,700         157,700         157,700         157,700         177%           Spain, ATLAS Federation         Ifae         35,767         35,767         35,767         114,701				ru-PNPI	38,754	93,130	3,860	5,809	141,553	
Slovenia, SiGNET         SiGNET         157,700         157,700           SI-SiGNET         200         89,280         157,700         157,700         177%           Spain, ATLAS Federation         Ifae         35,767         35,767         35,767         177%           Fine-LCG2         114,701         114,				Ru-Troitsk-INR-LCG2						
SI-SIGNET         200         89,280         157,700         157,700         177%           Spain, ATLAS Federation         Ifae         35,767         35,767         35,767         114,701         114,701         114,701         114,701         114,701         114,701         114,701         114,701         114,701         114,701         114,701         1145,019         166%         145,019         157,009         266%         145,019         157,009         266%         166%	RU-RDIG	3,000	1,339,200	)	155,289	398,755	71,629	29,918	655,591	
Spain, ATLAS Federation         Ifae         35,767         35,767           IFIC-LCG2         114,701         114,701           UAM-LCG2         145,019         145,019           ES-ATLAS-T2 tbc         117         52,229         295,487         295,487         566%           Spain, CMS Federation         CIEMAT-LCG2         122,117	Slovenia, SiGNET			SIGNET		157,700			157,700	
FIC-LCG2	SI-SIGNET	200	89,280	)		157,700			157,700	177%
UAM-LCG2         145,019         145,019           ES-ATLAS-T2 tbc         117         52,229         295,487         295,487         566%           Spain, CMS Federation         CIEMAT-LCG2         122,117         123,17         124,376         88%         149,376         88%         88%         88%         149,376         88%         88%         149,376         88%         88%         149,376         88%         124,320         124,320         9%         124,300         9%         124,300         9%         124,300         9%         124,300         124,300         124,300         124,300         124,300         124,300         124,300         124,300         124,300         124,300         124,300         124,300	Spain, ATLAS Federation			Ifae		35,767			35,767	
ES-ATLAS-T2 tbc         117         52,229         295,487         566%           Spain, CMS Federation         CIEMAT-LCG2         122,117         122,117           ES-CMS-T2         380         169,632         149,376         149,376         88%           Spain, LHCb Federation         UB-LCG2         4,729         4,729           USC-LCG2         275         275           ES-LHCb-T2         118         52,675         5,004         5,004         9%           Sweden, SNIC Tier-2         SE-SNIC-T2         SE-SNIC-T2         5E-SNIC-T2         244         108,922           Switzerland, CHIPP         CSCS-LCG2         95,097         28,901         302         124,300				IFIC-LCG2		114,701			114,701	
Spain, CMS Federation         CIEMAT-LCG2         122,117         122,117           IFCA-LCG2         27,259         27,259           ES-CMS-T2         380         169,632         149,376         149,376         88%           Spain, LHCb Federation         UB-LCG2         4,729         4,729         4,729         4,729         4,729         50         50         50         50         50         9%         50         9%         50         9%         50         9%         50         9%         50         9%         50         9%         50         9%         50         4         122,117         124,300 <td< td=""><td></td><td></td><td></td><td>UAM-LCG2</td><td></td><td>145,019</td><td></td><td></td><td>145,019</td><td></td></td<>				UAM-LCG2		145,019			145,019	
ES-CMS-T2         380         169,632         149,376         149,376         88%           Spain, LHCb Federation         UB-LCG2         4,729         4,729         4,729         4,729         5         5         275 <td>ES-ATLAS-T2 tbc</td> <td>117</td> <td>52,229</td> <td>e</td> <td></td> <td>295,487</td> <td></td> <td></td> <td>295,487</td> <td>566%</td>	ES-ATLAS-T2 tbc	117	52,229	e		295,487			295,487	566%
ES-CMS-T2         380         169,632         149,376         149,376         88%           Spain, LHCb Federation         UB-LCG2         4,729         4,729	Spain, CMS Federation			CIEMAT-LCG2			122,117		122,117	
Spain, LHCb Federation         UB-LCG2         4,729         4,729           USC-LCG2         275         275           ES-LHCb-T2         118         52,675         5,004         5,004         9%           Sweden, SNIC Tier-2         SE-SNIC-T2         SE-				IFCA-LCG2			27,259		27,259	
USC-LCG2         275         275           ES-LHCb-T2         118         52,675         5,004         5,004         9%           Sweden, SNIC Tier-2         SE-SNIC-T2         SE-SNIC-T2         SE-SNIC-T2         SE-SNIC-T2         301         124,300	ES-CMS-T2	380	169,632	2			149,376		149,376	88%
ES-LHCb-T2         118         52,675         5,004         9,004         9%           Sweden, SNIC Tier-2         SE-SNIC-T2         SE-SNIC-T2           SE-SNIC-T2         244         108,922           Switzerland, CHIPP         CSCS-LCG2         95,097         28,901         302         124,300	Spain, LHCb Federation			UB-LCG2				4,729	4,729	
Sweden, SNIC Tier-2         SE-SNIC-T2           SE-SNIC-T2         SE-SNIC-T2           Switzerland, CHIPP         CSCS-LCG2         95,097         28,901         302         124,300				USC-LCG2				275	275	
SE-SNIC-T2         244         108,922           Switzerland, CHIPP         CSCS-LCG2         95,097         28,901         302         124,300	ES-LHCb-T2	118	52,67	5				5,004	5,004	9%
Switzerland, CHIPP CSCS-LCG2 95,097 28,901 302 124,300	Sweden, SNIC Tier-2			SE-SNIC-T2						
	SE-SNIC-T2	244	108,922	2						
CH-CHIPP-CSCS 200 89,280 95,097 28,901 302 124,300 139%	Switzerland, CHIPP			CSCS-LCG2		95,097	28,901	302	124,300	
	CH-CHIPP-CSCS	200	89,280	)		95,097	28,901	302	124,300	139%

	2007 CPU	efficiency (KSI2K-						•	delivered as %
Federation	Pledge (KSI2K)	Hrs)	Site(s)	ALICE	ATLAS	CMS	LHCb	Total	of pledge
Taipei, Taiwan Analysis Facility Federation			TW-FTT		81,826	2,297		84,123	
TW-FTT-T2	300	133,920			81,826	2,297		84,123	63%
Turkey, Turkish Tier-2 Federation			TR-03-METU		5,528	2,693	75	8,296	
			TR-10-ULAKBIM		3,877	1	73	3,951	
TR-Tier2-federation	250	111,600			9,405	2,694	148	12,247	11%
UK, London Tier 2			UKI-LT2-Brunel	7	9,029	6,305	926	16,267	
			UKI-LT2-IC-HEP	19	179,634	30,110	368	210,131	
			UKI-LT2-IC-LeSC	5	64,631	8,983	3	73,622	
			UKI-LT2-QMUL						
			UKI-LT2-RHUL	1	3,687	948	162	4,798	
			UKI-LT2-UCL-CENTRAL						
			UKI-LT2-UCL-HEP		7,299			7,299	
UK-London-Tier2	2,500	1,116,000	1	32	264,280	46,346	1,459	312,117	28%
UK, NorthGrid			UKI-NORTHGRID-LANCS-HEP	3	52,210		2,442	54,655	
			UKI-NORTHGRID-LIV-HEP	5	163,990	1	265	164,261	
			UKI-NORTHGRID-MAN-HEP	4	247,138		218	247,360	
			UKI-NORTHGRID-SHEF-HEP	4	45,450	55	8,310	53,819	
UK-NorthGrid	2,600	1,160,640	1	16	508,788	56	11,235	520,095	45%
UK, ScotGrid			UKI-SCOTGRID-DURHAM	2	3,581	2	114	3,699	
			ScotGRID-Edinburgh	1	304		76	381	
			UKI-SCOTGRID-GLASGOW		178,496		1,394	179,890	
UK-ScotGrid	340	151,776	1	3	182,381	2	1,584	183,970	121%
UK, SouthGrid			EFDA-JET	5	5,919		103	6,027	
			UKI-SOUTHGRID-BHAM-HEP	100	2,246		801	3,147	
			UKI-SOUTHGRID-BRIS-HEP	3	1,301	2,327	58	3,689	
			UKI-SOUTHGRID-CAM-HEP		19,516		55	19,571	
			UKI-SOUTHGRID-OX-HEP	4	124,075	4	381	124,464	
			UKI-SOUTHGRID-RALPP	2	135,451	23,122	432	159,007	
UK-SouthGrid	940	419,616		114	288,508	25,453	1,830	315,905	75%
Ukraine, Ukrainian Tier-2 Federation			Information to become available	in 2008					
UA-	600	267,840							
USA, Great Lakes ATLAS T2			AGLT2		742,512			742,512	
US-AGLT2	581	259,358			742,512			742,512	286%
USA, Northeast ATLAS T2			BU_ATLAS_Tier2		238,277			238,277	
US-NET2	394	175,882			238,277			238,277	135%

	2007 CPU ef	ficiency (KSI2K-							delivered as %
Federation	Pledge (KSI2K)	Hrs)	Site(s)	ALICE	ATLAS	CMS	LHCb	Total	of pledge
USA, Midwest ATLAS T2			MWT2_UC		352,051			352,051	
			MWT2_IU		257,998			257,998	_
			UC_ATLAS_MWT2		57,758			57,758	
			IU_OSG		82,293			82,293	_
US-MWT2	826	368,726			750,100			750,100	203%
USA, Southwest ATLAS T2			OU_OCHEP_SWT2		135,463			135,463	
			SWT2-CPB		180,967			180,967	_
			UTA_SWT2		212,654			212,654	
US-SWT2	998	445,507			529,084			529,084	119%
USA, SLAC ATLAS T2			PROD_SLAC		382,817			382,817	
US-WT2	550	245,520			382,817			382,817	156%
USA, Caltech CMS T2			CIT_CMS_T2			142,343		142,343	
T2_US_Caltech	470	209,808				142,343		142,343	68%
USA, Florida CMS T2			Uflorida-PG		1	31,826		31,827	
			Uflorida-IHEPA						
			Uflorida-HPC						
T2_US_Florida	470	209,808			1	31,826		31,827	15%
USA, MIT CMS T2			MIT_CMS			91,108		91,108	
US-MIT	470	209,808				91,108		91,108	43%
USA, Nebraska CMS T2			Nebraska		8	105,956		105,964	
US-Nebraska	470	209,808			8	105,956		105,964	51%
USA, Purdue CMS T2			Purdue-Lear						
			Purdue-RCAC			39,733		39,733	
US-Purdue	470	209,808				39,733		39,733	19%
USA, UC San Diego CMS T2			UCSDT2		1	62,896		62,897	
US-UCSD	470	209,808			1	62,896		62,897	30%
USA, U. Wisconsin CMS T2			GLOW			86,779		86,779	
US-Wisconsin	470	209,808			_	86,779	_	86,779	41%
Grand Total	28,570	12,753,648		612,743	7,572,088	1,628,821	104,678	9,918,330	78%