# Monthly Reporting

## Report from 01 January 2022 to 31 March 2022

#### Report for Resource Pool Archer2 on archer2

A total of 12,625,832 CUs were available during this period.

#### **Use and Allocations (by Project)**

In the following table, Charged refers to usage which was charged against the project Allocation; whereas Used refers to usage including uncharged time. Uncharged time can arise from use of the Low Priority queue and/or during times when charging is disabled on the service.

The (Allocation) column is the time allocated to the project, scaled according to the reporting period and shown as a fraction of the available resources. If this report period is a sub-period of the Allocation period then the SAFE calculates the Allocation for this sub-period based on a linear spend profile of the total Allocation. If the usage for a project is not linear across the full Allocation period the the Use can be larger than the extrapolated Allocation.

Project	Project	Number	Charged	Charged	Used CUs	Utilisation	Allocated	Allocation
	Class	of Jobs	CUs	Utilisation			CUs	
e683	Pioneer	0	0.0	0.00%	0.0	0.00%	41,360.5	0.33%
	Projects							
e685	Pioneer	1,951	27,134.5	0.21%	255,746.8	2.03%	61,146.0	0.48%
	Projects							
e686	Pioneer	390	7,733.5	0.06%	7,733.5	0.06%	54,683.4	0.43%
	Projects			2.224		2.224		
e687	Pioneer	198	3,993.5	0.03%	4,123.9	0.03%	48,817.4	0.39%
222	Projects	4 007	40.050.0	0.400/	40.000.0	0.400/	05.000.0	2.500
e688	Pioneer	1,237	13,052.3	0.10%	13,092.6	0.10%	65,868.6	0.52%
-000	Projects	600	20.077.5	0.000/	20.744.4	0.040/	70.050.0	0.000
e689	Pioneer	600	36,677.5	0.29%	38,741.4	0.31%	76,059.6	0.60%
e690	Projects Pioneer	1,710	71,417.5	0.57%	88,241.5	0.70%	74,568.3	0.59%
6690	Projects	1,710	71,417.5	0.57%	00,241.3	0.70%	74,306.3	0.59%
e691	Pioneer	69	73,330.7	0.58%	74,016.2	0.59%	76,023.8	0.60%
6031	Projects	09	73,330.7	0.3076	74,010.2	0.5376	70,023.0	0.007
e692	Pioneer	549	47,483.5	0.38%	48,976.2	0.39%	57,387.7	0.45%
0002	Projects	043	47,400.0	0.0070	40,070.2	0.0070	07,007.7	0.407
e693	Pioneer	4	35.4	0.00%	35.4	0.00%	49,712.2	0.39%
	Projects						-,	
E635	Class1a	763	8,209.8	0.07%	16,194.0	0.13%	9,786.0	0.08%
c01	Class1a	3,135	46,919.5		73,536.4	0.58%	91,838.1	0.73%
e348	Class1a	533	3,005.2		19,187.8		13,496.9	0.11%
e432	Class1a	302	2,175.0	0.02%	2,175.0	0.02%	15,233.3	
e448	Class1a	71	2,991.7	0.02%	3,036.8	0.02%	3,514.6	
e569	Class1a	90	5,427.7	0.04%	5,711.8	0.05%	8,135.1	
e572	Class1a	3,656	11,105.2	0.09%	13,955.7	0.11%	5,904.4	
e575	Class1a	617	2,066.7			0.02%	8,930.7	
e607	Class1a	1,369	9,885.8		128,833.9	1.02%	29,068.4	
e609	Class1a	2,044	18,122.6		31,196.1	0.25%	15,946.3	
e613	Class1a	0	0.0		0.0		242.3	
e630	Class1a	112	110,601.9		131,901.4		64,632.0	
e637	Class1a	67	127.2		127.2		5,160.5	
e642	Class1a	0	0.0		0.0	0.00%	14,266.1	
e643	Class1a	1,549	30,623.0		31,579.7	0.25%	15,241.1	
e645	Class1a	313	3,109.2					
e647	Class1a	3,036	33,540.0		35,191.6		28,371.0	
e648	Class1a	918	2,431.9		2,432.4		4,683.3	
e649	Class1a	338	3,529.9		20,141.9		14,675.7	
e651	Class1a	0	0.0		0.0		3,967.5	
e655	Class1a	284	20,318.8		29,414.1	0.23%	11,009.2	
e663	Class1a	1,340	7,506.6	0.06%	7,506.6	0.06%	9,786.0	0.08%

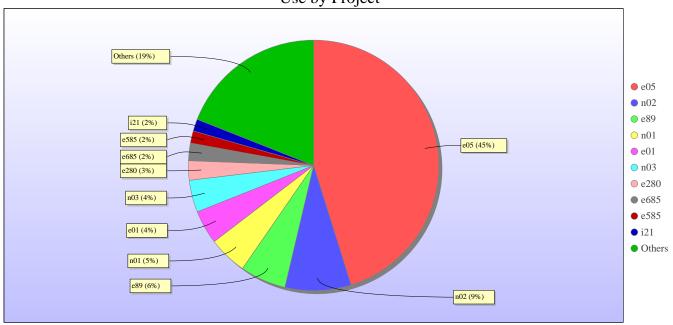
Project	Project Class	Number of Jobs	Charged CUs	Charged Utilisation	Used CUs	Utilisation	Allocated CUs	Allocation
e664		0	0.0	0.00%	0.0	0.00%	2,609.6	0.02%
e667	Class1a	895	4,802.5	0.04%	4,806.3		6,359.1	0.05%
e668	Class1a	0	0.0	0.00%	0.0		1,957.5	0.02%
e681	Class1a	93	18.5	0.00%	18.5	0.00%	7,208.3	0.06%
e682	Class1a	502	3,760.4	0.03%	7,734.7	0.06%	21,977.8	0.17%
e684	Class1a	64	3,947.7	0.03%	3,947.7	0.03%	2,193.2	0.02%
e694	Class1a	7	0.2		0.2		8,360.1	0.07%
e696	Class1a	123	158.5	0.00%	158.5	0.00%	448.6	0.00%
e697	Class1a	386	14,043.5		119,676.4	0.95%	25,891.6	
e700	Class1a	0	0.0		0.0		9,843.0	0.08%
e701	Class1a	434	19,274.8		19,870.2	0.16%	16,307.8	0.13%
e702		6	115.9	0.00%	115.9	0.00%	2,920.1	0.02%
e706		0	0.0		0.0	0.00%	1,491.4	
e707	Class1a	355	35,454.4	0.28%	35,454.4	0.28%	29,488.9	
e708		0	0.0		0.0	0.00%	6,854.7	0.05%
e710		20	3,049.9		3,049.9		2,871.4	0.02%
e712		0	0.0		0.0	0.00%	49,712.2	0.39%
e720		1,544	19,417.6		19,423.5	0.15%	21,137.6	
e721	Class1a	0	0.0	0.00%	0.0	0.00%	1,506.9	0.01%
e721		1,377	77,157.4		78,256.2	0.62%	59,010.4	0.47%
e723	Class1a Class1a	346	3,883.7	0.03%	3,887.2	0.02%	16,581.5	0.13%
e724		0	0.0		0.0	0.00%	2,390.1	0.13%
e728		-			0.0			0.02%
		0	0.0 6,442.4				13,028.1	
e6337	Class1a	94			8,385.4	0.07%	12,413.8	
ec110		0	0.0		0.0	0.00%	1,011.9	
e01	Consortia	5,446	401,826.1	3.18%	492,480.1	3.90%	666,232.7	5.28%
e05	Consortia	121,629	2,170,124.3		5,092,745.3		2,109,737.7	16.71%
e89	Consortia	38,422	623,283.4		668,034.8		999,349.1	7.92%
e280		20,054	279,997.5		282,357.2		444,156.0	3.52%
e281	Consortia	3,100	125,984.1	1.00%	152,361.7	1.21%	218,431.8	1.73%
e283		4,555	65,436.4		80,192.7	0.64%	111,039.6	
e305	Consortia	3,184	129,939.4	1.03%	150,874.6	1.19%	333,116.4	2.64%
e585		2,371	164,564.5		178,236.2	1.41%	333,116.4	2.64%
e669		0	0.0	0.00%	0.0	0.00%	81.0	0.00%
e704		134	37.6		37.6	0.00%	210.4	0.00%
e709		13	44.7	0.00%	44.7	0.00%	115.3	0.00%
e711		0	0.0	0.00%	0.0	0.00%	193.7	0.00%
e718		0	0.0		0.0	0.00%	247.7	0.00%
e719		0	0.0		0.0	0.00%	260.7	0.00%
e722		0	0.0	0.00%	0.0	0.00%	395.4	0.00%
e725	Pump Priming	0	0.0	0.00%	0.0	0.00%	397.7	0.00%
e726		7	97.9		97.9		397.7	
e727		150	162.6		162.6		3,176.6	
e729		1,200	379.2		1,461.8		263.1	0.00%
e737		429	677.7		2,749.2		338.0	0.00%
e741	,	13	24.6		24.6		357.9	
e749		87	132.7	0.00%	132.7	0.00%	522.0	0.00%
e750		17	2,229.0		6,843.7	0.05%	401.7	0.00%
ta021	Training	0	0.0	0.00%	0.0	0.00%	185.5	0.00%
ta026	Training	0	0.0		0.0	0.00%	184.3	0.00%
ta027	Training	1	0.0	0.00%	0.0	0.00%	246.5	0.00%
ta037	Training	0	0.0	0.00%	0.0	0.00%	184.7	0.00%
ta038		0	0.0	0.00%	0.0		184.7	0.00%
ta043		0	0.0	0.00%	0.0	0.00%	0.1	0.00%
ta052	-	172	1.3		1.3		1,484.0	0.01%
	Access to HPC	72	1,444.2		1,490.2		12,249.1	0.10%
	Access to HPC	26	44.8		44.8	0.00%	6,563.0	0.05%
	Access to HPC	0	0.0		0.0	0.00%	21,475.7	0.17%
	Access to HPC	47	58.6		58.6		14,476.2	
	Access to HPC	923	17,654.1	0.14%	13,126.5	0.10%	9,681.4	
	Access to HPC	595	19,140.7		34,103.5		30,185.2	
	Access to HPC	62	483.2		483.2		10,018.5	
	Access to HPC	0	0.0		0.0		21.1	0.00%
		-1						

Project	Project Class	Number of Jobs	Charged CUs	Charged Utilisation	Used CUs	Utilisation	Allocated CUs	Allocation
e678	Access to HPC	141	646.0	0.01%	651.8	0.01%	2,386.2	0.02%
e679	Access to HPC	41	2,872.9	0.02%	2,872.9	0.02%	14,317.1	0.11%
e680	Access to HPC	0	0.0	0.00%	0.0	0.00%	20,282.6	0.16%
e705	Access to HPC	0	0.0	0.00%	0.0	0.00%	10,938.4	0.09%
e730	Access to HPC	1,432	12,350.6	0.10%	12,350.6	0.10%	14,317.1	0.11%
	Access to HPC	3	4.4	0.00%	4.4	0.00%	24,856.1	0.20%
	Access to HPC	5	165.1	0.00%	165.1	0.00%	14,913.7	0.12%
	Access to HPC	0	0.0	0.00%	0.0	0.00%	9,544.7	0.08%
	Access to HPC	1,180	34,216.1	0.27%	34,458.2	0.27%	19,884.9	
	Access to HPC	0	0.0	0.00%	0.0	0.00%	23,193.7	0.18%
	Access to HPC	901	71,467.2		123,197.9	0.98%	35,792.8	
	Access to HPC	64	420.9		420.9	0.00%	911.7	0.01%
	Access to HPC	20	11.5	0.00%	11.5	0.00%	6,433.7	0.05%
	Access to HPC Access to HPC	63 0	54.7 0.0	0.00% 0.00%	1,424.2 0.0	0.01% 0.00%	2,375.5 5,032.4	0.02% 0.04%
	Access to HPC	0	0.0	0.00%	0.0	0.00%	11,862.1	0.04%
	Access to HPC	10	3.1	0.00%	3.1	0.00%	13,023.8	
EPSRC Total	A00033 to 111 O	240,060	4,920,064.7	38.97%	8,726,762.2	69.12%	6,870,688.6	54.42%
n01	Consortia	10,654	200,144.7	1.59%	561,491.1	4.45%	446,834.1	3.54%
n02	Consortia	83,906	913,572.6		960,214.0	7.61%	1,274,697.3	10.10%
n03	Consortia	8,008	438,546.7	3.47%	465,481.3	3.69%	319,932.5	
NERC Total		102,568	1,552,264.1	12.29%	1,987,186.5	15.74%	2,041,463.9	16.17%
b19	Class1a	35	10.1	0.00%	10.1	0.00%	4,084.4	0.03%
e621	Class1a	56	199.4	0.00%	2,937.4	0.02%	6,256.5	0.05%
BBSRC Total		91	209.5	0.00%	2,947.5	0.02%	10,340.9	0.08%
pr1u0001	DECI: EXEC	0	0.0	0.00%	0.0	0.00%	2.5	0.00%
pr1u1555		0	0.0	0.00%	0.0	0.00%	163.6	0.00%
pr1u1652	DECI: EXEC	0	0.0		0.0	0.00%	1,752.0	0.01%
pr1u1653		89	31,922.3	0.25%	33,035.7	0.26%	16,690.4	0.13%
pr1u1654		1	45.5		45.5	0.00%	1,959.0	0.02%
pr1u1656		0	0.0	0.00%	0.0	0.00%	934.6	0.01%
pr1u1657	DECI: EXEC	25	936.1	0.01%	936.1	0.01%	1,544.4	0.01%
pr1u1659		1,019	1,492.5	0.01%	1,492.7	0.01%	4,590.0	0.04%
pr1u1751	DECI: EXEC	1,194 5	759.1 0.1	0.01% 0.00%	759.3	0.01%	4,705.8	
pr1u1752 pr1u1753		407	34,856.1	0.00%	1,705.7 34,869.9	0.01% 0.28%	5,592.2 9,719.2	0.04% 0.08%
pr1u1754		632	8,973.6		9,203.4	0.28 %	7,689.3	0.06%
pr1u1755	DECI: EXEC	14	200.9		200.9	0.00%	5,033.0	0.04%
pr1u1756		617	15,922.1	0.13%	15,922.1	0.13%	11,865.9	0.09%
pr1u1757	DECI: EXEC	6	0.1	0.00%	0.1	0.00%	2,660.5	
pr1u1758		43	3,702.6				2,076.1	0.02%
pr1u1759		99	8,427.3		8,427.3	0.07%	4,471.0	
pr1u1760		0	0.0		0.0	0.00%	1,677.7	0.01%
pr1u1702	DECI: HOME	340	5,460.3	0.04%	5,555.6	0.04%	4,941.2	0.04%
pr1u1707		88	550.7		550.7	0.00%	4,281.5	
pr1ush01		552	3,768.5		4,775.7	0.04%	1,206.8	
pr1ush02		17	2.2		2.2	0.00%	132.0	0.00%
pr1ushpc	DECI: HOME	1	0.0		0.0	0.00%	240.5	
PRACE Total		5,149	117,019.9		121,185.5	0.96%	93,929.2	0.74%
ecseaa06		0	0.0		0.0	0.00%	535.1	0.00%
ecseaa09		0	0.0		0.0	0.00%	267.5	
ecseaa11	eCSE	159	256.0	0.00%	256.0	0.00%	228.1	0.00%
ecseaa12 ecseaa13		0	0.0		0.0	0.00% 0.00%	197.2 535.1	0.00% 0.00%
ecseaa13		0	0.0		0.0	0.00%	229.6	
ecseaa14 ecseaa16		0	0.0		0.0	0.00%	229.6	0.00%
ecseaa19		3	11.9		23.1	0.00%	298.6	
ecseaa21	eCSE	0	0.0		0.0	0.00%	196.7	0.00%
ecseaa22		0	0.0	0.00%	0.0	0.00%	57.4	0.00%
ecseaa26		127	621.1	0.00%	927.4	0.01%	367.0	0.00%
ecseaa28		0	0.0		0.0	0.00%	77.6	
ecseab02		0	0.0		0.0	0.00%	270.0	0.00%
ecseab03			0.0	0.00%	0.0	0.00%	436.2	0.00%

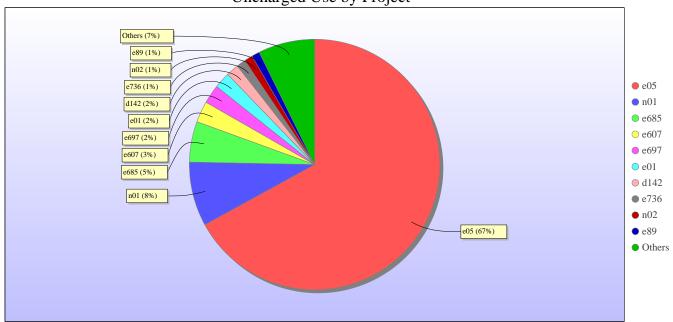
ecceabl66   eCSE   S   S   S   S   S   S   S   S   S	Project	Project Class	Number of Jobs	Charged CUs	Charged Utilisation	Used CUs	Utilisation	Allocated CUs	Allocation
Ceceab11   GCSE   82   3.2   0.00%   3.2   0.00%   55.3   0.00%   ceceab13   GCSE   77   960.0   0.01%   990.0   0.01%   299.3   0.00%   ceseab13   GCSE   14   0.0   0.00%   0.0   0.00%   92.6   0.00%   ceseab13   GCSE   42   1.821.3   0.01%   2.459.2   0.02%   165.1   0.00%   ceseab04   GCSE   0   0.0   0.00%   0.0   0.00%   294.3   0.00%   ceseab05   GCSE   38   8.4   0.00%   8.4   0.00%   8.4   0.00%   8.55.0   0.00%   ceseab06   GCSE   38   8.4   0.00%   8.4   0.00%   228.6   0.00%   ceseab06   GCSE   20   0.0   0.00%   0.0   0.00%   228.6   0.00%   ceseab06   GCSE   20   0.0   0.00%   0.0   0.00%   228.6   0.00%   ceseab12   GCSE   20   0.0   0.00%   0.0   0.00%   228.6   0.00%   ceseab14   GCSE   0   0.0   0.00%   0.0   0.00%   244.3   0.00%   ceseab14   GCSE   0   0.0   0.00%   0.0   0.00%   244.3   0.00%   ceseab14   GCSE   0   0.0   0.00%   0.0   0.00%   244.3   0.00%   ceseab14   GCSE   0   0.0   0.00%   0.0   0.00%   276.0   0.00%   ceseab07   GCSE   0   0.0   0.00%   0.0   0.00%   276.0   0.00%   276.0   0.00%   ceseab07   GCSE   0   0.0   0.00%   0.0   0.00%   276.0   0.00%   ceseab08   GCSE   0   0.0   0.00%   0.0   0.00%   274.4   0.00%   ceseab08   GCSE   0   0.0   0.00%   0.0   0.00%   274.4   0.00%   ceseab09   GCSE   0   0.0   0.00%   0.0   0.00%   274.4   0.00%   ceseab09   GCSE   0   0.0   0.00%   0.0   0.00%   0.0   0.00%   274.4   0.00%   ceseab09   GCSE   0   0.0   0.00%   0.0   0.	ecseab04	eCSE	0	0.0	0.00%	0.0	0.00%	16.4	0.00%
Ceceab11   GCSE   82   3.2   0.00%   3.2   0.00%   55.3   0.00%   ceceab13   GCSE   77   960.0   0.01%   990.0   0.01%   299.3   0.00%   ceseab13   GCSE   14   0.0   0.00%   0.0   0.00%   92.6   0.00%   ceseab13   GCSE   42   1.821.3   0.01%   2.459.2   0.02%   165.1   0.00%   ceseab04   GCSE   0   0.0   0.00%   0.0   0.00%   294.3   0.00%   ceseab05   GCSE   38   8.4   0.00%   8.4   0.00%   8.4   0.00%   8.55.0   0.00%   ceseab06   GCSE   38   8.4   0.00%   8.4   0.00%   228.6   0.00%   ceseab06   GCSE   20   0.0   0.00%   0.0   0.00%   228.6   0.00%   ceseab06   GCSE   20   0.0   0.00%   0.0   0.00%   228.6   0.00%   ceseab12   GCSE   20   0.0   0.00%   0.0   0.00%   228.6   0.00%   ceseab14   GCSE   0   0.0   0.00%   0.0   0.00%   244.3   0.00%   ceseab14   GCSE   0   0.0   0.00%   0.0   0.00%   244.3   0.00%   ceseab14   GCSE   0   0.0   0.00%   0.0   0.00%   244.3   0.00%   ceseab14   GCSE   0   0.0   0.00%   0.0   0.00%   276.0   0.00%   ceseab07   GCSE   0   0.0   0.00%   0.0   0.00%   276.0   0.00%   276.0   0.00%   ceseab07   GCSE   0   0.0   0.00%   0.0   0.00%   276.0   0.00%   ceseab08   GCSE   0   0.0   0.00%   0.0   0.00%   274.4   0.00%   ceseab08   GCSE   0   0.0   0.00%   0.0   0.00%   274.4   0.00%   ceseab09   GCSE   0   0.0   0.00%   0.0   0.00%   274.4   0.00%   ceseab09   GCSE   0   0.0   0.00%   0.0   0.00%   0.0   0.00%   274.4   0.00%   ceseab09   GCSE   0   0.0   0.00%   0.0   0.	ecseab06	eCSE	5	5.3	0.00%	5.3	0.00%	29.7	0.00%
Cocseab12	ecseab11		82	3.2	0.00%	3.2		55.3	
Ceseab13									
CoseacQ2									
ecseac04									
ecseac05									
ecseact    eCSE			-						
ecseac12									
ecsac14   eCSE   0   0   0   0.00%   0.0   0.00%   244.3   0.00%   ecsac301   eCSE   0   0   0   0.00%   0.0   0.00%   285.0   0.00%   ecsac301   eCSE   0   0   0   0.00%   0.0   0.00%   227.1   0.00%   ecsac305   eCSE   0   0   0   0.00%   0.0   0.00%   227.1   0.00%   ecsac307   eCSE   0   0   0   0.00%   0.0   0.00%   214.4   0.00%   ecsac307   eCSE   0   0   0   0.00%   0.00%   0.0   0.00%   214.4   0.00%   ecsac307   eCSE   0   0   0   0.00%   0.0   0.00%   219.6   0.00%   219.6   0.00%   ecsac307   eCSE   118   40.9   0.00%   2.96.8   0.02%   226.3   0.00%   ecsac308   eCSE   118   40.9   0.00%   2.96.8   0.02%   226.3   0.00%   ecsac308   eCSE   118   40.9   0.00%   2.96.8   0.02%   226.3   0.00%   ecsac308   eCSE   118   40.9   0.00%   2.94.8   0.02%   226.3   0.00%   ecSE   0.00%   2.94.8   0.02%   2.94.9   0.00%   2.94.8   0.02%   2.94.9   0.00%   2.94.9   0.00%   2.94.8   0.02%   2.94.9   0.00%   2.94.8   0.02%   2.94.9   0.00%   2.94.8   0.02%   2.94.9   0.00%   2.94.8   0.02%   2.94.9   0.00%   2.94.8   0.02%   2.94.9   0.00%   2.94.8   0.02%   2.94.9   0.00%   2.94.8   0.02%   2.94.9   0.00%   2.94.9   0.00%   2.94.9   0.00%   2.94.9   0.00%   2.94.9   0.00%   2.94.9   0.00%   2.94.9   0.00%   2.94.9   0.00%   2.94.9   0.00%									
ecseach    eCSE									
ecsead01   eCSE   0   0.0   0.00%   0.0   0.00%   285.0   0.00%   ccsead05   eCSE   0   0.0   0.00%   0.0   0.00%   271.6   0.00%   ccsead07   eCSE   0   0.0   0.00%   0.0   0.00%   214.4   0.00%   ccsead07   eCSE   0   0.0   0.00%   0.0   0.00%   214.4   0.00%   ccsead07   eCSE   0   0.0   0.00%   0.0   0.00%   214.4   0.00%   ccsead07   eCSE   0   0.0   0.00%   0.0   0.00%   219.6   0.00%   226.3   0.00%   ccsead07   eCSE   0.0   0.0   0.00%   0.0   0.00%   2.26.3   0.00%   ccsead08   c			-						
ecsead06   eCSE   0									
ecsead00			-						
ecsad09   eCSE   118   40.9   0.00%   2.196.8   0.02%   226.3   0.00%   0.	ecsead05		-	0.0					
ecssatOB         eCSE         118         4.9.9         0.00%         2.196.8         0.02%         226.3         0.00%           dSS         Total         1.224         4.015.4         0.03%         7.126.8         0.06%         7.249.7         0.06%           dSS         Research         1.754         2.28.77.6         0.18%         2.29.84.8         0.18%         1.95.95.5         0.15%           d114         Research         4.080         1.7448.1         0.14%         1.771.37         0.14%         45,539.9         0.36%           d118         Research         1.23         1.219.9         0.01%         1.277.1         0.01%         2,000.3         0.02%           d137         Research         1.28         0.01%         1.0838.2         0.00%         4,673.9         0.04%           d155         Research         5.863         24.435.8         0.19%         3.8545.9         0.31%         2.6190.4         0.21%           d175         Research         7.99         1.053.2         0.01%         1.053.2         0.01%         4.00.30%           d176         Research         7.99         1.053.2         0.01%         1.053.2         0.01%         4.00.40%			82	63.6					
CSE   Total	ecsead07		0	0.0		0.0			
d36		eCSE	118	40.9	0.00%	2,196.8	0.02%	226.3	0.00%
d56	eCSE Total		1,224	4,015.4	0.03%	7,126.6	0.06%	7,249.7	0.06%
d56	d35	Research	129	3.0	0.00%	3.0	0.00%	320.7	0.00%
d114   Research   4,080   17,448.1   0.14%   12,771.2   0.14%   45,539.9   0.36%   d118   Research   123   1219.9   0.01%   1,277.1   0.01%   2,300.3   0.02%   d137   Research   32   6,417.1   0.05%   10,838.2   0.09%   4,879.9   0.04%   d142   Research   271   4,008.7   0.03%   74,893.3   0.59%   5,559.8   0.04%   d155   Research   5,663   24,435.8   0.19%   38,545.9   0.31%   26,190.4   0.21%   d170   Research   1,148   245.7   0.00%   245.7   0.00%   300.0   0.00%   d175   Research   7.99   1,053.2   0.01%   1,053.2   0.01%   4,103.4   0.03%   d178   Research   7.99   1,053.2   0.01%   1,053.2   0.01%   4,103.4   0.03%   d178   Research   37   2,223.6   0.02%   2,361.8   0.02%   9,942.4   0.08%   d182   Research   472   2,327.3   0.02%   2,361.8   0.02%   9,942.4   0.08%   d428   Research   0   0.0   0.00%   0.0   0.00%   49.94   0.00%   d429   Research   0,509.6   18,653.2   0.15%   19,676.1   0.16%   20,445.1   0.16%   d2429   Research   9,932   2,792.6   0.02%   2,793.7   0.02%   3,230.6   0.03%   d105   Industrial   0   0.0   0.00%   0.0   0.00%   7,75.2   0.06%   d181   Industrial   2,0   0.0   0.00%   0.0   0.00%   2,094.2   0.02%   d432   Industrial   2,2514   219,810.3   1.74%   174,755.3   1.38%   48,950.6   0.39%   1238   Industrial   11   191.7   0.00%   48.8   0.00%   48.5		Research	1,754	22,877.6		22,984.8		19,550.5	
d118									
d137   Research   32   6.417.1   0.05%   10.838.2   0.09%   4.879.9   0.04%   0.04%   0.04%   0.03%   0.15%   0.05%   0.15%   0.05%   0.15%   0.05%   0.15%   0.05%   0.15%   0.05%   0.15%   0.05%   0.15%   0.05%   0.15%   0.05%									
d142   Research   271   4,008.7   0.03%   74,893.3   0.59%   5,559.8   0.04%   d155   Research   5,863   24,435.8   0.19%   38,545.9   0.31%   26,190.4   0.21%   d170   Research   7.99   1,053.2   0.01%   245.7   0.00%   300.0   0.00%   d175   Research   7.99   1,053.2   0.01%   1,053.2   0.01%   4,103.4   0.03%   d178   Research   0 0.0   0.00%   0.0   0.00%   0.0   0.00%   1,232.2   0.01%   d179   Research   37   2,223.6   0.02%   2,361.8   0.02%   9,942.4   0.08%   d182   Research   472   2,237.3   0.02%   2,237.3   0.02%   498.4   0.00%   d428   Research   472   2,237.3   0.02%   2,237.3   0.02%   498.4   0.00%   d429   Research   2,695   18,653.2   0.15%   19,676.1   0.16%   20,445.1   0.16%   d129   Research   2,695   18,653.2   0.15%   19,676.1   0.16%   20,445.1   0.16%   d129   Research   0 0.0   0.00%   0.0   0.00%   0.0   0.00%   d191.1   0.00%   d439   Industrial   0 0.0   0.00%   0.0   0.00%   0.0   0.00%   d191.1   0.00%   d430   Industrial   0 0.0   0.00%   0.0   0.00%   0.0   0.00%   0.0   0.00%   d33.1   0.00%   d433   Industrial   293   5,178.4   0.04%   5,262.9   0.04%   3,616.6   0.03%   d433   Industrial   22 0.0   0.00%   0.0   0.00%   0.0   0.00%   227.2   0.00%   d181   Industrial   114   191.7   0.00%   191.7   0.00%   6,822.8   0.05%   i214   Industrial   144   191.7   0.00%   0.0   0.00%   0.0   0.00%   6,822.8   0.05%   i224   Industrial   151   71.9   0.00%   0.0   0.00%   0.0   0.00%   46.5   0.09%   i238   Industrial   151   71.9   0.00%   0.0   0.00%   0.0   0.00%   2.389.9   0.03%   i241   Industrial   151   71.9   0.00%   0.0   0.00%									
d155   Research   5,863   24,435.8   0.19%   38,545.9   0.31%   26,190.4   0.21%     d175   Research   1,148   245.7   0.00%   245.7   0.00%   300.0   0.00%     d175   Research   799   1,053.2   0.01%   1,053.2   0.01%   4,103.4   0.03%     d178   Research   0   0.0   0.00%   0.0   0.00%   1,232.2   0.01%     d179   Research   37   2,223.6   0.02%   2,361.8   0.02%   9,942.4   0.08%     d182   Research   472   2,327.3   0.02%   2,327.3   0.02%   498.4   0.00%     d428   Research   472   2,327.3   0.02%   2,327.3   0.02%   498.4   0.00%     d429   Research   9,952   2,792.6   0.02%   2,793.7   0.02%   3,230.6   0.03%     d105   Industrial   0   0.0   0.00%   0.0   0.00%   2,034.2   0.03%     d105   Industrial   0   0.0   0.00%   0.0   0.00%   2,034.2   0.02%     d432   Industrial   293   5,178.4   0.04%   5,262.9   0.04%   3,616.6   0.03%     d433   Industrial   114   191.7   0.00%   191.7   0.00%   6,822.8   0.05%     i21   Industrial   0   0.0   0.00%   0.0   0.00%   0.0   0.00%   0.0     i18   Industrial   114   191.7   0.00%   191.7   0.00%   6,822.8   0.05%     i224   Industrial   19   48.8   0.00%   48.8   0.00%   46.5   0.09%     i239   Industrial   151   77.19   0.00%   0.0   0.00%   2,398.9   0.02%     i241   Industrial   151   77.19   0.00%   0.0   0.00%   2,398.9   0.02%     i241   Industrial   150   0.0   0.00%   0.0   0.00%   0.0   0.00%   0.00%     i238   Industrial   151   77.19   0.00%   0.0   0.00%   0.0   0.00%   0.0     i4160   Training   0   0.0   0.00%   0.0   0.00%   0.0   0.00%   0.0     d176   Training   1,605   31.1   0.00%   0.0   0.00%   0.0   0.00%   0.0   0.00%   0.0     d180   Training   1,605   31.1   0.00%   0.0   0.00%									
d170   Research   1,148   245.7   0.00%   245.7   0.00%   300.0   0.00%   d175   Research   799   1,053.2   0.01%   1,053.2   0.01%   4,103.4   0.03%   d178   Research   0   0.0   0.00%   0.0   0.00%   0.0   0.00%   1,232.2   0.01%   d179   Research   37   2,223.6   0.02%   2,361.8   0.02%   9,942.4   0.08%   d182   Research   472   2,327.3   0.02%   2,361.8   0.02%   9,942.4   0.08%   d182   Research   0   0.0   0.00%   0.0   0.00%   20.00%   20.1   0.00%   d429   Research   2,995   18,653.2   0.15%   19,676.1   0.16%   20,445.1   0.16%   d6129   Research   2,995   18,653.2   0.15%   19,676.1   0.16%   20,445.1   0.16%   d6129   Research   9,932   2,792.6   0.02%   2,793.7   0.02%   3,230.6   0.03%   d105   Industrial   0   0.0   0.00%   0.0   0.00%   0.0   0.00%   7,775.2   0.06%   d181   Industrial   293   5,178.4   0.04%   5,262.9   0.04%   3,616.6   0.03%   d432   Industrial   29   0.0   0.00%   0.0   0.00%   227.2   0.00%   d433   Industrial   29   0.0   0.00%   0.0   0.00%   227.2   0.00%   i18   Industrial   22   0.0   0.00%   0.0   0.00%   227.2   0.00%   i28   Industrial   22,514   219,810.3   1.74%   174,795.3   1.38%   48,950.6   0.39%   i24   Industrial   19   48.8   0.00%   48.8   0.00%   46.5   0.00%   i288   Industrial   151   71.9   0.00%   71.9   0.00%   2,398.9   0.02%   i241   Industrial   151   71.9   0.00%   71.9   0.00%   2,398.9   0.02%   i241   Industrial   10   0.0   0.00%   0.0   0.00%   50.5   0.00%   d174   Training   0   0.0   0.00%   0.0   0.00%   50.5   0.00%   d174   Training   1,605   31.1   0.00%   31.1   0.00%   31.1   0.00%   32.9   0.00%   31.1   0.00%   32.7   0.00%   31.1   0.00%   31.1   0.00%   31.1   0.00%   31.1   0.00%   32.7									
d175   Research   799				,					
d178   Research   0   0.0   0.00%   0.0   0.00%   1.232.2   0.01%   d179   Research   37   2.23.6   0.02%   2.361.8   0.02%   9.942.4   0.08%   d182   Research   472   2.327.3   0.02%   2.327.3   0.02%   498.4   0.00%   d428   Research   0   0.0   0.00%   0.0   0.00%   2.01   0.00%   d428   Research   2.695   18.653.2   0.15%   19.676.1   0.16%   20.445.1   0.16%   0.16%   20.445.1   0.16%   0.16%   0.00%   0.0   0.0									
d179   Research   37   2,223.6   0.02%   2,381.8   0.02%   9,942.4   0.08%   d182   Research   472   2,327.3   0.02%   2,327.3   0.02%   498.4   0.00%   d428   Research   0   0.0   0.00%   0.0   0.00%   20.1   0.00%   d429   Research   2,695   18,653.2   0.15%   19,676.1   0.16%   20,445.1   0.16%   d2129   Research   9,932   2,792.6   0.02%   2,793.7   0.02%   3,230.6   0.03%   d105   Industrial   0   0.0   0.00%   0.0   0.00%   7,775.2   0.06%   d181   Industrial   0   0.0   0.00%   0.0   0.00%   7,775.2   0.06%   d181   Industrial   293   5,178.4   0.04%   5,262.9   0.04%   3,616.6   0.03%   d433   Industrial   293   5,178.4   0.04%   5,262.9   0.04%   3,616.6   0.03%   d433   Industrial   114   191.7   0.00%   191.7   0.00%   6,822.8   0.05%   i21   Industrial   22,514   219,810.3   1.74%   174,795.3   1.38%   48,950.6   0.39%   i24   Industrial   19   48.8   0.00%   44.8   0.00%   46.5   0.00%   i238   Industrial   0   0.0   0.00%   71,485.5   0.01%   i239   Industrial   0   0.0   0.00%   71,9   0.00%   2,398.9   0.02%   i241   Industrial   151   71.9   0.00%   71.9   0.00%   2,398.9   0.02%   i241   Industrial   151   71.9   0.00%   71.9   0.00%   2,398.9   0.02%   i241   Industrial   150   0.0   0.00%   0.0   0.00%   1,485.5   0.01%   i239   Industrial   0   0.0   0.00%   71.9   0.00%   2,398.9   0.02%   i241   Industrial   150   0.0   0.00%   71.9   0.00%   2,398.9   0.02%   i241   Industrial   150   0.0   0.00%   0.0   0.00				·					
d182   Research   472   2,327.3   0,02%   2,327.3   0,02%   498.4   0,00%   d428   Research   0   0,0   0,00%   0,0   0,00%   20.1   0,00%   d429   Research   2,695   18,653.2   0,15%   19,676.1   0,16%   20,445.1   0,16%   d2129   Research   9,932   2,792.6   0,02%   2,793.7   0,02%   3,230.6   0,03%   d105   Industrial   0   0,0   0,00%   0,0   0,00%   2,094.2   0,02%   d181   Industrial   0   0,0   0,00%   0,0   0,00%   2,094.2   0,02%   d432   Industrial   293   5,178.4   0,04%   5,262.9   0,04%   3,616.6   0,03%   d433   Industrial   2   0,0   0,00%   191.7   0,00%   6,822.8   0,05%   i18   Industrial   22,514   219,810.3   1,74%   174,795.3   1,38%   48,950.6   0,39%   i24   Industrial   19   48.8   0,00%   48.8   0,00%   46.5   0,00%   i238   Industrial   19   48.8   0,00%   48.8   0,00%   46.5   0,00%   i239   Industrial   130   9,758.8   0,08%   9,758.8   0,00%   2,398.9   0,02%   i241   Industrial   130   9,758.8   0,00%   0,0   0,00%   2,398.9   0,02%   i241   Industrial   130   9,758.8   0,00%   0,0   0,00%   79,5   0,00%   d176   Training   0   0,0   0,00%   0,0   0,00%   79,5   0,00%   d176   Training   1,605   31.1   0,00%   31.1   0,00%   32.7   0,00%   14045   Training   1,605   31.1   0,00%   1,23   0,00%   1,460.2   0,00%   1,464.5			- 1						
May									
Material   Research   2,695   18,653.2   0.15%   19,676.1   0.16%   20,445.1   0.16%   dc129   Research   9,932   2,792.6   0.02%   2,793.7   0.02%   3,230.6   0.03%   d105   Industrial   0   0.0   0.00%   0.0   0.00%   7,775.2   0.06%   d181   Industrial   20   0.0   0.00%   0.0   0.00%   2,094.2   0.02%   d432   Industrial   223   5,178.4   0.04%   5,262.9   0.04%   3,616.6   0.03%   d433   Industrial   22   0.0   0.00%   0.0   0.00%   2,094.2   0.02%   d181   Industrial   21   114   191.7   0.00%   191.7   0.00%   6,822.8   0.05%   d181   Industrial   22,514   219,810.3   1.74%   174,795.3   1.38%   48,950.6   0.39%   d24   Industrial   19   48.8   0.00%   48.8   0.00%   46.5   0.00%   d6.5   0.00%   d24.5   d184   d184   d184   d194   d184   d194									
Color			-						
d105									
d181									
Add   Add		Industrial	0	0.0					
Add   Add	d181	Industrial	0	0.0	0.00%	0.0	0.00%	2,094.2	0.02%
i18         Industrial         114         191.7         0.00%         191.7         0.00%         6,822.8         0.05%           i21         Industrial         22,514         219,810.3         1.74%         174,795.3         1.38%         48,950.6         0.39%           i24         Industrial         19         48.8         0.00%         48.8         0.00%         46.5         0.00%           i238         Industrial         10         0.0         0.00%         0.0         0.00%         1,465.5         0.01%           i239         Industrial         151         71.9         0.00%         71.9         0.00%         2,398.9         0.02%           i241         Industrial         130         9,758.8         0.08%         9,758.8         0.08%         1,466.2         0.01%           i6062         Industrial         0         0.0         0.00%         0.0         0.00%         79.5         0.00%           d174         Training         0         0.0         0.00%         0.0         0.00%         79.5         0.00%           d174         Training         1,605         31.1         0.00%         31.1         0.00%         91.6         0.00% <td>d432</td> <td>Industrial</td> <td>293</td> <td>5,178.4</td> <td>0.04%</td> <td>5,262.9</td> <td>0.04%</td> <td></td> <td>0.03%</td>	d432	Industrial	293	5,178.4	0.04%	5,262.9	0.04%		0.03%
121	d433	Industrial	2	0.0	0.00%	0.0	0.00%	227.2	0.00%
121	i18	Industrial	114	191.7	0.00%	191.7	0.00%	6,822.8	0.05%
124	i21		22,514	219,810.3		174,795.3			
1238	i24				0.00%				
1239   Industrial   151   71.9   0.00%   71.9   0.00%   2,398.9   0.02%     1241   Industrial   130   9,758.8   0.08%   9,758.8   0.08%   1,466.2   0.01%     1260   Industrial   0   0.0   0.00%   0.0   0.00%   79.5   0.00%     1241   Industrial   0   0.0   0.00%   0.0   0.00%   79.5   0.00%     1241   Industrial   0   0.0   0.00%   0.0   0.00%   79.5   0.00%     1241   Training   0   0.0   0.00%   0.0   0.00%   506.5   0.00%     1241   Training   1,605   31.1   0.00%   31.1   0.00%   91.6   0.00%     1240   Training   0   0.0   0.00%   0.0   0.01%   752.9   0.01%     1240   Training   0   0.0   0.00%   0.0   0.00%   0.2   0.00%     1240   Training   0   0.0   0.00%   0.0   0.00%   92.7   0.00%     1240   Training   15   0.2   0.00%   0.2   0.00%   92.7   0.00%     1240   Training   199   18.2   0.00%   12.3   0.00%   20.0   0.00%     1240   Training   39   0.5   0.00%   0.5   0.00%   1.0   0.00%     1250   Training   111   0.8   0.00%   0.8   0.00%   1.0   0.00%     1251   Training   38   2.7   0.00%   2.1   0.00%   3.0   0.00%     1252   Training   13   2.9   0.00%   2.9   0.00%   71.5   0.00%     1253   Training   132   1.4   0.00%   1.3   0.00%   100.0   0.00%     1255   Training   132   1.4   0.00%   1.4   0.00%   100.0   0.00%     1265   Training   679   7.5   0.00%   5.6   0.00%   54.5   0.00%     1265   Training   370   13.4   0.00%   14.8   0.00%   54.5   0.00%     1265   Training   370   13.4   0.00%   14.8   0.00%   54.5   0.00%     1265   Training   370   13.4   0.00%   14.8   0.00%   54.5   0.00%     1265   Training   370   13.4   0.00%   14.8   0.00%   54.5   0.00%     1265   Training   0   0.0   0.00%   0.0   0.00%   54.5   0.00%     1265   Training   370   13.4   0.00%   14.8   0.00%   54.5   0.00%     1265   Training   370   13.4   0.00%   14.8   0.00%   54.5   0.00%     1265   Training   370   31.4   0.00%   33.7   0.00%     1265   Training   370   31.4   0.00%   33.7   0.00%     1265   Training   370   31.4   0.00%   31.8   0.00%   33.7   0.00%     1265   Training   0   0.0   0.0   0.0   0.0									
1241   Industrial   130   9,758.8   0.08%   9,758.8   0.08%   1,466.2   0.01%     1062   Industrial   0   0.0   0.00%   0.0   0.00%   79.5   0.00%     177   17   17   1.00%   1.00%   31.1   0.00%   31.1   0.00%   91.6   0.00%     180   17   17   17   17   17   17   17   1		1 1 1 1							
ico62									
d174         Training         0         0.0         0.00%         0.0         0.00%         506.5         0.00%           d176         Training         1,605         31.1         0.00%         31.1         0.00%         91.6         0.00%           d180         Training         4,441         944.2         0.01%         1,303.6         0.01%         752.9         0.01%           ta045         Training         0         0.0         0.00%         0.0         0.00%         0.2         0.00%           ta046         Training         0         0.0         0.00%         0.0         0.00%         92.7         0.00%           ta047         Training         15         0.2         0.00%         0.2         0.00%         92.7         0.00%           ta048         Training         199         18.2         0.00%         12.3         0.00%         20.0         0.00%           ta049         Training         39         0.5         0.00%         0.5         0.00%         1.0         0.00%           ta050         Training         111         0.8         0.00%         0.8         0.00%         1.0         0.00%           ta051				,				,	
d176         Training         1,605         31.1         0.00%         31.1         0.00%         91.6         0.00%           d180         Training         4,441         944.2         0.01%         1,303.6         0.01%         752.9         0.01%           ta045         Training         0         0.0         0.00%         0.0         0.00%         0.2         0.00%           ta046         Training         0         0.0         0.00%         0.0         0.00%         92.7         0.00%           ta047         Training         15         0.2         0.00%         0.2         0.00%         92.7         0.00%           ta048         Training         199         18.2         0.00%         12.3         0.00%         20.0         0.00%           ta049         Training         39         0.5         0.00%         12.3         0.00%         20.0         0.00%           ta050         Training         11         0.8         0.00%         0.8         0.00%         1.0         0.00%           ta051         Training         3         2.7         0.00%         2.1         0.00%         71.5         0.00%           ta053 <th< td=""><td></td><td></td><td>-</td><td></td><td></td><td></td><td></td><td></td><td></td></th<>			-						
d180         Training         4,441         944.2         0.01%         1,303.6         0.01%         752.9         0.01%           ta045         Training         0         0.0         0.00%         0.0         0.00%         0.2         0.00%           ta046         Training         0         0.0         0.00%         0.0         0.00%         92.7         0.00%           ta047         Training         15         0.2         0.00%         0.2         0.00%         92.7         0.00%           ta048         Training         199         18.2         0.00%         12.3         0.00%         20.0         0.00%           ta049         Training         39         0.5         0.00%         0.5         0.00%         1.0         0.00%           ta050         Training         111         0.8         0.00%         0.8         0.00%         1.0         0.00%           ta051         Training         38         2.7         0.00%         2.1         0.00%         3.0         0.00%           ta053         Training         13         2.9         0.00%         2.9         0.00%         71.5         0.00%           ta054         Trai			-						
ta045         Training         0         0.0         0.00%         0.0         0.00%         0.2         0.00%           ta046         Training         0         0.0         0.00%         0.0         0.00%         92.7         0.00%           ta047         Training         15         0.2         0.00%         0.2         0.00%         92.7         0.00%           ta048         Training         199         18.2         0.00%         12.3         0.00%         20.0         0.00%           ta049         Training         39         0.5         0.00%         0.5         0.00%         1.0         0.00%           ta050         Training         111         0.8         0.00%         0.8         0.00%         1.0         0.00%           ta051         Training         38         2.7         0.00%         2.1         0.00%         3.0         0.00%           ta053         Training         13         2.9         0.00%         2.9         0.00%         71.5         0.00%           ta054         Training         8         1.3         0.00%         1.3         0.00%         10.0         0.00%           ta055         Training									
ta046         Training         0         0.0         0.00%         0.0         0.00%         92.7         0.00%           ta047         Training         15         0.2         0.00%         0.2         0.00%         92.7         0.00%           ta048         Training         199         18.2         0.00%         12.3         0.00%         20.0         0.00%           ta049         Training         39         0.5         0.00%         0.5         0.00%         1.0         0.00%           ta050         Training         111         0.8         0.00%         0.8         0.00%         1.0         0.00%           ta051         Training         38         2.7         0.00%         2.1         0.00%         3.0         0.00%           ta053         Training         13         2.9         0.00%         2.9         0.00%         71.5         0.00%           ta054         Training         8         1.3         0.00%         1.3         0.00%         10.0         0.00%           ta055         Training         132         1.4         0.00%         1.4         0.00%         10.0         0.00%           ta056         Training <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td>									
ta047         Training         15         0.2         0.00%         0.2         0.00%         92.7         0.00%           ta048         Training         199         18.2         0.00%         12.3         0.00%         20.0         0.00%           ta049         Training         39         0.5         0.00%         0.5         0.00%         1.0         0.00%           ta050         Training         111         0.8         0.00%         0.8         0.00%         1.0         0.00%           ta051         Training         38         2.7         0.00%         2.1         0.00%         3.0         0.00%           ta053         Training         13         2.9         0.00%         2.9         0.00%         71.5         0.00%           ta054         Training         8         1.3         0.00%         1.3         0.00%         10.0         0.00%           ta055         Training         132         1.4         0.00%         1.4         0.00%         10.0         0.00%           ta056         Training         679         7.5         0.00%         5.6         0.00%         54.5         0.00%           ta058         Training<			-						
ta048         Training         199         18.2         0.00%         12.3         0.00%         20.0         0.00%           ta049         Training         39         0.5         0.00%         0.5         0.00%         1.0         0.00%           ta050         Training         111         0.8         0.00%         0.8         0.00%         1.0         0.00%           ta051         Training         38         2.7         0.00%         2.1         0.00%         3.0         0.00%           ta053         Training         13         2.9         0.00%         2.9         0.00%         71.5         0.00%           ta054         Training         8         1.3         0.00%         1.3         0.00%         10.0         0.00%           ta055         Training         132         1.4         0.00%         1.4         0.00%         10.0         0.00%           ta056         Training         679         7.5         0.00%         5.6         0.00%         54.5         0.00%           ta058         Training         370         13.4         0.00%         14.8         0.00%         50.8         0.00%           ta059         Traini			-						
ta049         Training         39         0.5         0.00%         0.5         0.00%         1.0         0.00%           ta050         Training         111         0.8         0.00%         0.8         0.00%         1.0         0.00%           ta051         Training         38         2.7         0.00%         2.1         0.00%         3.0         0.00%           ta053         Training         13         2.9         0.00%         2.9         0.00%         71.5         0.00%           ta054         Training         8         1.3         0.00%         1.3         0.00%         10.0         0.00%           ta055         Training         132         1.4         0.00%         1.4         0.00%         10.0         0.00%           ta056         Training         0         0.0         0.00%         0.0         0.00%         79.1         0.00%           ta057         Training         679         7.5         0.00%         5.6         0.00%         54.5         0.00%           ta058         Training         370         13.4         0.00%         14.8         0.00%         50.8         0.00%           ta059         Training </td <td></td> <td>-</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td>		-							
ta050         Training         111         0.8         0.00%         0.8         0.00%         1.0         0.00%           ta051         Training         38         2.7         0.00%         2.1         0.00%         3.0         0.00%           ta053         Training         13         2.9         0.00%         2.9         0.00%         71.5         0.00%           ta054         Training         8         1.3         0.00%         1.3         0.00%         100.0         0.00%           ta055         Training         132         1.4         0.00%         1.4         0.00%         100.0         0.00%           ta056         Training         0         0.0         0.00%         0.0         0.00%         79.1         0.00%           ta057         Training         679         7.5         0.00%         5.6         0.00%         54.5         0.00%           ta058         Training         370         13.4         0.00%         14.8         0.00%         50.8         0.00%           ta059         Training         0         0.0         0.00%         0.0         0.00%         50.8         0.00%           ta059         Training									
ta051         Training         38         2.7         0.00%         2.1         0.00%         3.0         0.00%           ta053         Training         13         2.9         0.00%         2.9         0.00%         71.5         0.00%           ta054         Training         8         1.3         0.00%         1.3         0.00%         100.0         0.00%           ta055         Training         132         1.4         0.00%         1.4         0.00%         100.0         0.00%           ta056         Training         0         0.0         0.00%         0.0         0.00%         79.1         0.00%           ta057         Training         679         7.5         0.00%         5.6         0.00%         54.5         0.00%           ta058         Training         370         13.4         0.00%         14.8         0.00%         50.8         0.00%           ta059         Training         0         0.0         0.00%         0.0         0.00%         33.7         0.00%           ta060         Training         209         17.1         0.00%         11.8         0.00%         96.8         0.00%									
ta053         Training         13         2.9         0.00%         2.9         0.00%         71.5         0.00%           ta054         Training         8         1.3         0.00%         1.3         0.00%         100.0         0.00%           ta055         Training         132         1.4         0.00%         1.4         0.00%         100.0         0.00%           ta056         Training         0         0.0         0.00%         0.0         0.00%         79.1         0.00%           ta057         Training         679         7.5         0.00%         5.6         0.00%         54.5         0.00%           ta058         Training         370         13.4         0.00%         14.8         0.00%         50.8         0.00%           ta059         Training         0         0.0         0.00%         0.0         0.00%         33.7         0.00%           ta060         Training         209         17.1         0.00%         11.8         0.00%         96.8         0.00%									
ta054         Training         8         1.3         0.00%         1.3         0.00%         100.0         0.00%           ta055         Training         132         1.4         0.00%         1.4         0.00%         100.0         0.00%           ta056         Training         0         0.0         0.00%         0.0         0.00%         79.1         0.00%           ta057         Training         679         7.5         0.00%         5.6         0.00%         54.5         0.00%           ta058         Training         370         13.4         0.00%         14.8         0.00%         50.8         0.00%           ta059         Training         0         0.0         0.00%         0.0         0.00%         33.7         0.00%           ta060         Training         209         17.1         0.00%         11.8         0.00%         96.8         0.00%				J					
ta055         Training         132         1.4         0.00%         1.4         0.00%         100.0         0.00%           ta056         Training         0         0.0         0.00%         0.0         0.00%         79.1         0.00%           ta057         Training         679         7.5         0.00%         5.6         0.00%         54.5         0.00%           ta058         Training         370         13.4         0.00%         14.8         0.00%         50.8         0.00%           ta059         Training         0         0.0         0.00%         0.0         0.00%         33.7         0.00%           ta060         Training         209         17.1         0.00%         11.8         0.00%         96.8         0.00%									
ta056         Training         0         0.0         0.00%         0.0         0.00%         79.1         0.00%           ta057         Training         679         7.5         0.00%         5.6         0.00%         54.5         0.00%           ta058         Training         370         13.4         0.00%         14.8         0.00%         50.8         0.00%           ta059         Training         0         0.0         0.00%         0.0         0.00%         33.7         0.00%           ta060         Training         209         17.1         0.00%         11.8         0.00%         96.8         0.00%									0.00%
ta057         Training         679         7.5         0.00%         5.6         0.00%         54.5         0.00%           ta058         Training         370         13.4         0.00%         14.8         0.00%         50.8         0.00%           ta059         Training         0         0.0         0.00%         0.0         0.00%         33.7         0.00%           ta060         Training         209         17.1         0.00%         11.8         0.00%         96.8         0.00%			132	1.4		1.4			0.00%
ta058         Training         370         13.4         0.00%         14.8         0.00%         50.8         0.00%           ta059         Training         0         0.0         0.00%         0.0         0.00%         33.7         0.00%           ta060         Training         209         17.1         0.00%         11.8         0.00%         96.8         0.00%	ta056			0.0	0.00%			79.1	0.00%
ta058         Training         370         13.4         0.00%         14.8         0.00%         50.8         0.00%           ta059         Training         0         0.0         0.00%         0.0         0.00%         33.7         0.00%           ta060         Training         209         17.1         0.00%         11.8         0.00%         96.8         0.00%	ta057	Training	679	7.5	0.00%	5.6	0.00%	54.5	0.00%
ta059         Training         0         0.0         0.00%         0.0         0.00%         33.7         0.00%           ta060         Training         209         17.1         0.00%         11.8         0.00%         96.8         0.00%	ta058		370	13.4	0.00%	14.8	0.00%	50.8	0.00%
ta060 Training 209 17.1 0.00% 11.8 0.00% 96.8 0.00%									0.00%
			209						
	ta061	Training	0	0.0		0.0		27.7	0.00%

Project	Project	Number	Charged	Charged	Used CUs	Utilisation	Allocated	Allocation
	Class	of Jobs	CUs	Utilisation			CUs	
ta062	Training	0	0.0	0.00%	0.0	0.00%	19.7	0.00%
ta063	Training	0	0.0	0.00%	0.0	0.00%	19.7	0.00%
ta064	Training	0	0.0	0.00%	0.0	0.00%	19.7	0.00%
ta065	Training	0	0.0	0.00%	0.0	0.00%	10.2	0.00%
ta066	Training	0	0.0	0.00%	0.0	0.00%	2.8	0.00%
y01	Service	0	0.0	0.00%	0.0	0.00%	170.7	0.00%
y02	Service	552	29.7	0.00%	29.7	0.00%	138.6	0.00%
y23	Service	5	12.1	0.00%	12.1	0.00%	161.2	0.00%
z19	Service	21,229	35,831.5	0.28%	42,095.4	0.33%	74,371.3	0.59%
z99	Service	0	0.0	0.00%	0.0	0.00%	1.6	0.00%
d177	UoE Access	26	0.1	0.00%	0.1	0.00%	194.4	0.00%
sc004	UoE Access	0	0.0	0.00%	0.0	0.00%	21.6	0.00%
DirectorsTime		80,229	375,680.4	2.98%	428,368.8	3.39%	296,384.1	2.35%
Total								
z02	Service	65	1.8	0.00%	2.8	0.00%	1,082.5	0.01%
CSE Total		65	1.8	0.00%	2.8	0.00%	1,082.5	0.01%
Total		429,386	6,969,255.8	55.20%	11,273,579.8	89.29%	9,321,138.8	73.83%

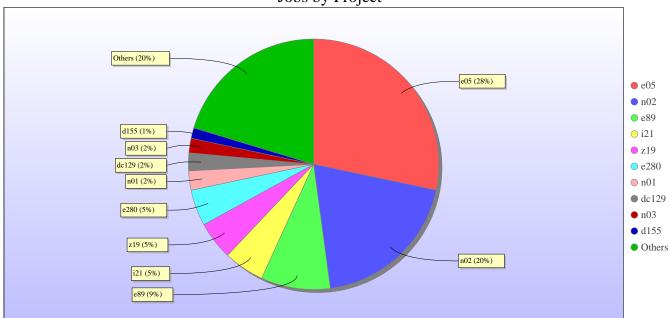
Use by Project



Uncharged Use by Project



Jobs by Project

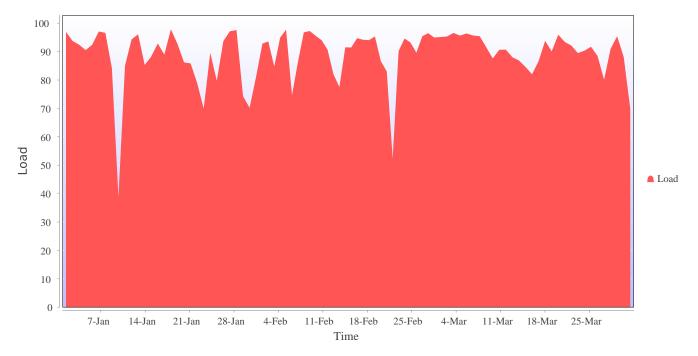


## CUs (by Size)

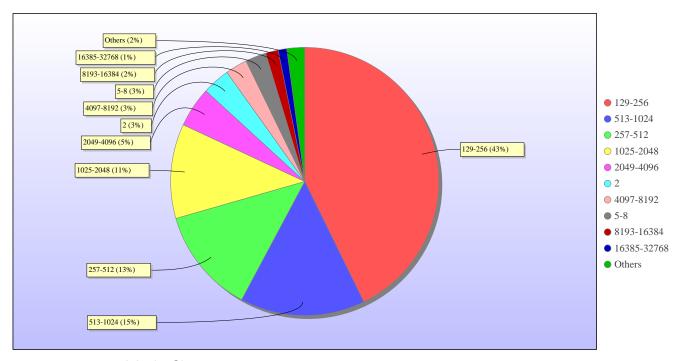
Size	CUs	Number of Jobs					
1	0	407					
2	0	14,287					
3-4	0	107					
5-8	0	10,801					
9-16	0	113					
17-32	0	999					
33-64	0	300					
65-128	0	3,871					
129-256	520,543.083	·					
257-512	,						
513-1024	696,443.339	64,690					

Size	CUs	Number of Jobs
1025-2048	1,033,297.357	48,915
2049-4096	816,888.169	20,873
4097-8192	750,579.678	11,367
8193-16384	769,508.648	6,507
16385-32768	939,215.042	4,442
32769-65536	594,273.511	2,052
65537-131072	342,136.777	944
131073-262144	127,444.635	395
262145-524288	31,916.635	44
524289-1048576	3,781.287	7

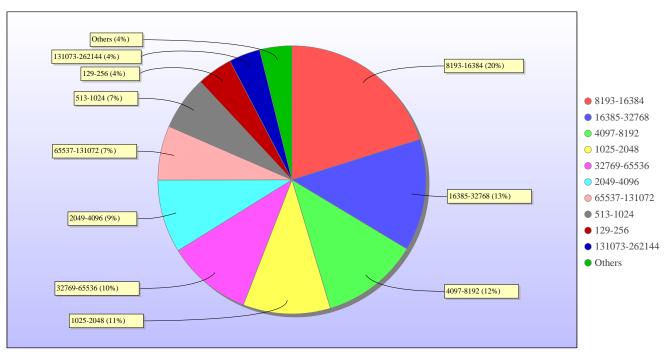
# Load plots



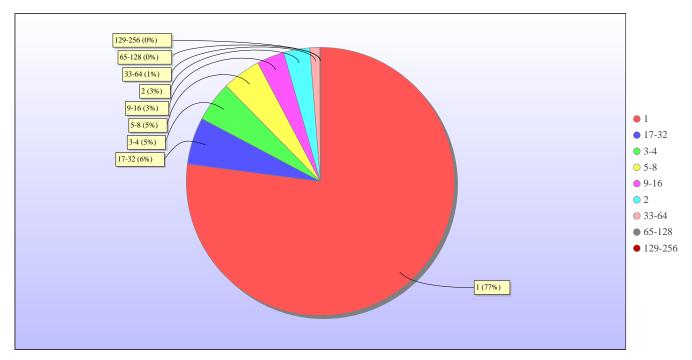
Percentage load on machine



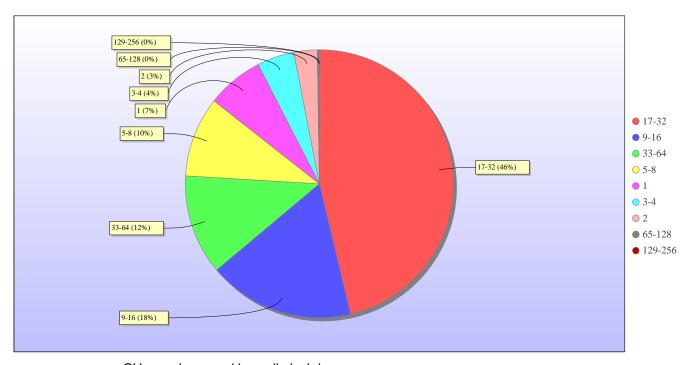
Jobs by Size



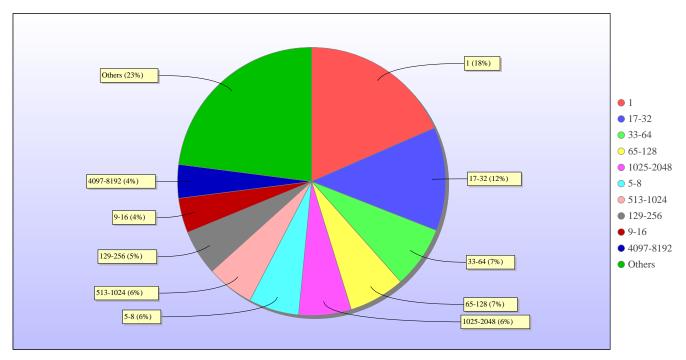
CUs used by Size



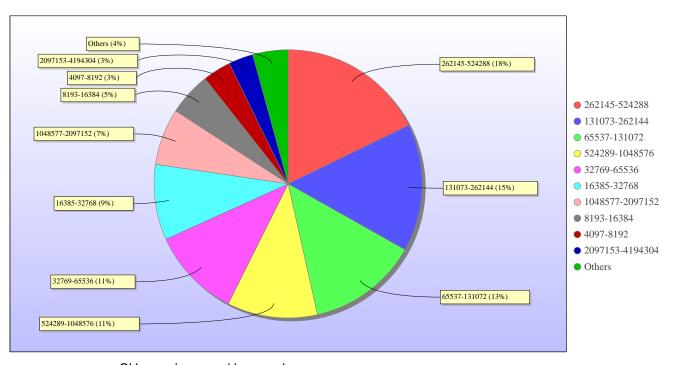
Jobs grouped by wall-clock-hours



CUs used grouped by wall-clock-hours



Jobs grouped by core-hours

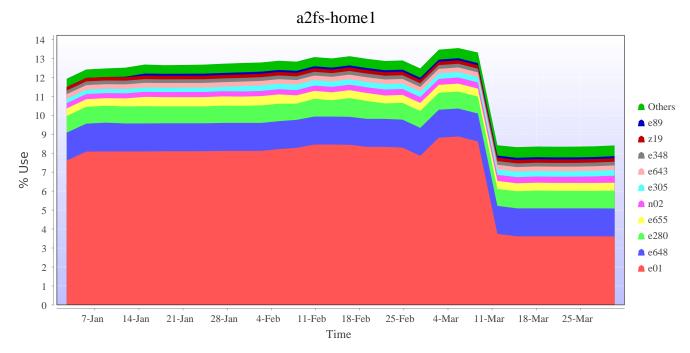


CUs used grouped by core-hours

## Disk usage

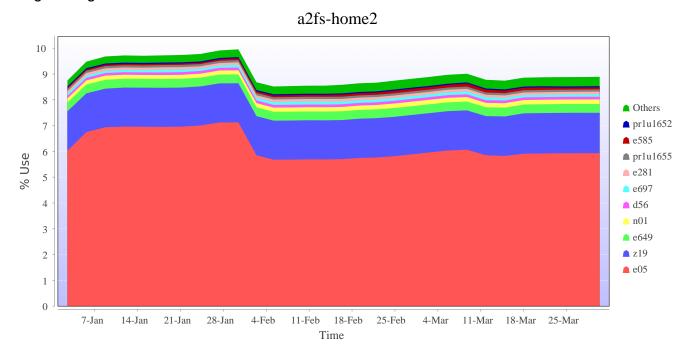
### Disk usage for home (a2fs-home1)

This is a plot of Disk Use on a2fs-home1 against time. The plot is divided into a number of classes according to Project. This is a stacked plot so the top of the plot represents the total usage at a given time.



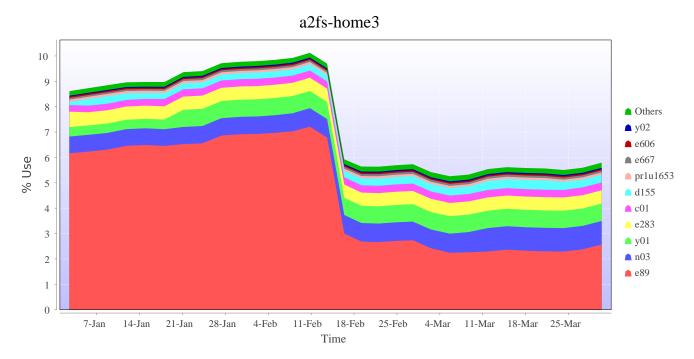
# Disk usage for home (a2fs-home2)

This is a plot of Disk Use on a2fs-home2 against time. The plot is divided into a number of classes according to Project. This is a stacked plot so the top of the plot represents the total usage at a given time.



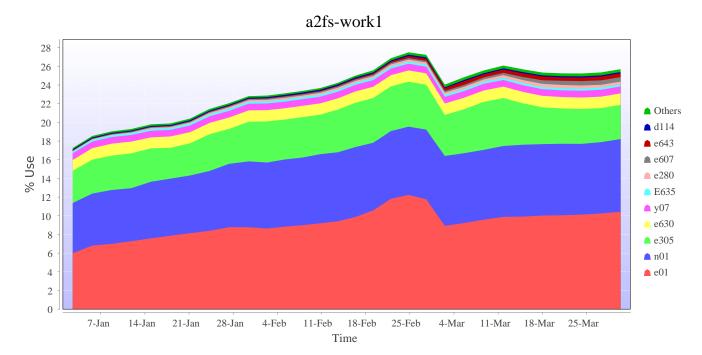
### Disk usage for home (a2fs-home3)

This is a plot of Disk Use on a2fs-home3 against time. The plot is divided into a number of classes according to Project. This is a stacked plot so the top of the plot represents the total usage at a given time.



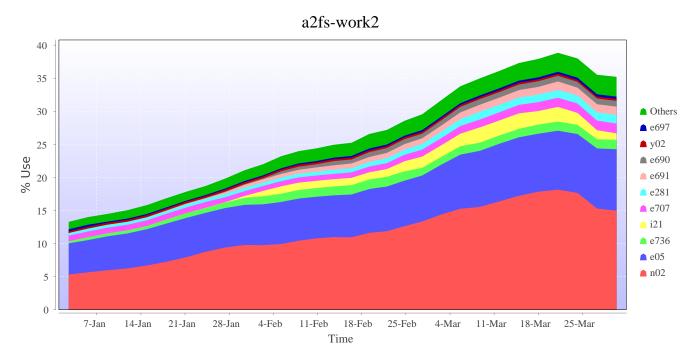
### Disk usage for work (a2fs-work1)

This is a plot of Disk Use on a2fs-work1 against time. The plot is divided into a number of classes according to Project. This is a stacked plot so the top of the plot represents the total usage at a given time.



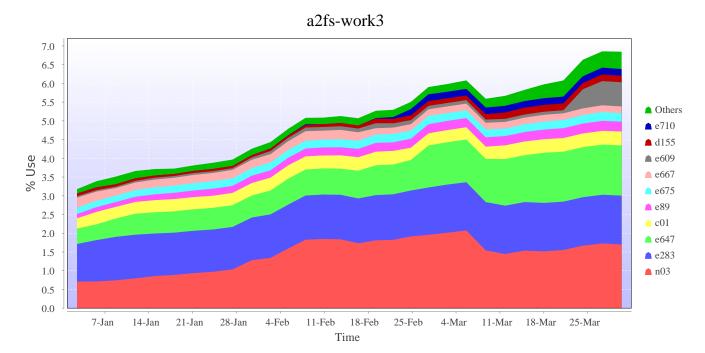
### Disk usage for work (a2fs-work2)

This is a plot of Disk Use on a2fs-work2 against time. The plot is divided into a number of classes according to Project. This is a stacked plot so the top of the plot represents the total usage at a given time.



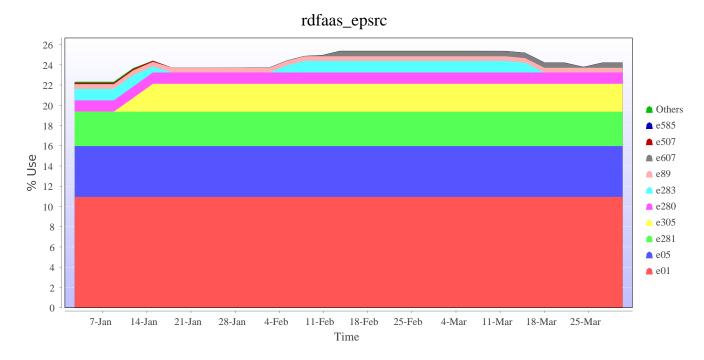
### Disk usage for work (a2fs-work3)

This is a plot of Disk Use on a2fs-work3 against time. The plot is divided into a number of classes according to Project. This is a stacked plot so the top of the plot represents the total usage at a given time.



### Disk usage for epsrc ( rdfaas\_epsrc )

This is a plot of Disk Use on rdfaas\_epsrc against time. The plot is divided into a number of classes according to Project. This is a stacked plot so the top of the plot represents the total usage at a given time.



### Disk usage for general ( rdfaas\_general )

This is a plot of Disk Use on rdfaas\_general against time. The plot is divided into a number of classes according to Project. This is a stacked plot so the top of the plot represents the total usage at a given time.

