# Monthly Reporting

# Report from 01 February 2025 to 28 February 2025

### Report for Resource Pool Archer2 on archer2

A total of 3,929,856 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.

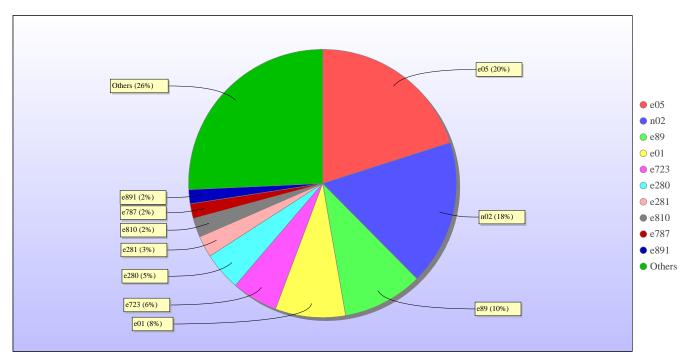
The (Allocation) column is the time allocated to the project, scaled according to the reporting period and shown as a fraction of the available resources. If this report period is a sub-period of the Allocation period then the SAFE calculates the Allocation for this sub-period based on a linear spend 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 Class	Number of Jobs	Charged CUs	Charged Utilisation	Used CUs	Utilisation	Allocated CUs	Allocation
e760	Leadership	0	0.0	0.00%	0.0	0.00%	443.5	0.01%
	Awards							
e786	Leadership	73	1,126.0	0.03%	1,126.0	0.03%	8,815.7	0.22%
	Awards							
e787	Leadership	115	66,667.9	1.70%	67,741.8	1.72%	54,159.3	1.38%
	Awards							
e820	Leadership	173	3,634.6	0.09%	3,634.6	0.09%	7,388.1	0.19%
	Awards							
e821	Leadership	0	0.0	0.00%	0.0	0.00%	3,231.5	0.08%
	Awards							
e861	Leadership	0	0.0	0.00%	0.0	0.00%	5,570.3	0.14%
	Awards							
e862	Leadership	141	4.3	0.00%	4.3	0.00%	1,485.4	0.04%
704	Awards	400	00.050.0	0.040/	00.050.0	0.040/	47.504.7	0.450
e731	Pioneer	422	32,858.6	0.84%	32,858.6	0.84%	17,594.7	0.45%
-744	Projects	70	40 004 0	0.420/	40.400.0	0.400/	40.070.7	0.400
e744	Pioneer	72	16,884.9	0.43%	18,162.9	0.46%	18,270.7	0.46%
e808	Projects	438	18,809.6	0.48%	22,835.8	0.58%	8,356.8	0.21%
6000	Pioneer Projects	430	10,009.0	0.46%	22,033.0	0.56%	0,300.0	0.21%
e809	Pioneer	621	32,478.6	0.83%	32,993.3	0.84%	18,187.2	0.46%
6009	Projects	021	32,470.0	0.03 /6	32,993.3	0.04 /6	10,107.2	0.40 /
e810	Pioneer	79	85,987.2	2.19%	88,083.1	2.24%	32,379.5	0.82%
0010	Projects	7 9	00,007.2	2.1070	00,000.1	2.2470	02,070.0	0.027
e812	Pioneer	408	18,363.5	0.47%	18,363.5	0.47%	13,554.5	0.34%
	Projects	.55	. 0,000.0	0,0	.0,000.0	0,0	. 0,000	0.017
e813	Pioneer	407	6,044.1	0.15%	6,044.1	0.15%	25,407.0	0.65%
	Projects		-,		-,		,	
e814	Pioneer	2	5,218.9	0.13%	5,218.9	0.13%	3,936.7	0.10%
	Projects		,		,		,	
e815	Pioneer	596	20,794.5	0.53%	23,929.7	0.61%	20,424.6	0.52%
	Projects							
e817	Pioneer	205	28,548.4	0.73%	30,468.4	0.78%	69,304.3	1.76%
	Projects							
c01	Class1a	499	12,427.7	0.32%	12,449.0	0.32%	22,361.6	0.57%
e348	Class1a	13,861	42,354.1	1.08%	42,376.8	1.08%	44,039.8	
e643	Class1a	251	18,352.7	0.47%	18,352.7		12,873.7	
e647	Class1a	52	66.7	0.00%	66.7		1,534.2	
e705	Class1a	37	4,294.5		4,294.5		3,608.7	
e707	Class1a	54	14,207.5		14,208.3	0.36%	10,209.2	
e710	Class1a	199	15.1	0.00%	15.1	0.00%	2,089.6	
e712	Class1a	15	4,271.3	0.11%	4,271.3	0.11%	15,473.2	0.39%

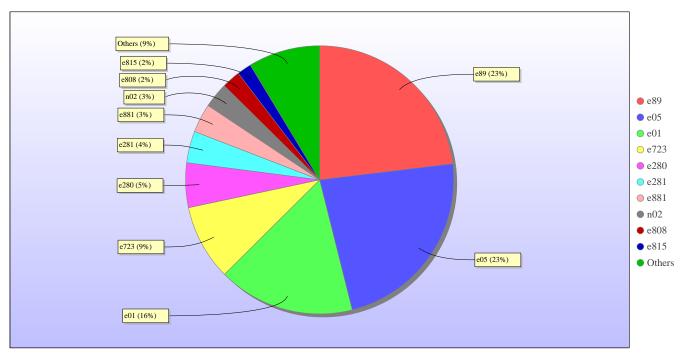
Project	Project Class	Number of Jobs	Charged CUs	Charged Utilisation	Used CUs	Utilisation	Allocated CUs	Allocation
e720	Class1a	392	6,395.2	0.16%	6,395.3	0.16%	33,422.1	0.85%
e721	Class1a	167	641.1	0.02%	647.5		816.7	0.02%
e728	Class1a	148	1,044.0	0.03%	1,044.0	0.03%	2,184.9	0.06%
e751	Class1a	256	3,436.3		3,436.3		6,962.9	
e752	Class1a	284	4,261.9		4,261.9	0.11%	3,249.4	0.08%
e767	Class1a	2,156	9,387.2		9,681.5		13,476.9	0.34%
e769	Class1a	8	151.8		151.8		20,438.0	0.52%
e770	Class1a	266	4,330.8		4,330.8		10,826.2	0.28%
e793	Class1a	86	310.8		312.0	0.01%	25,547.4	0.65%
e835	Class1a	81	6,774.9		6,774.9		9,717.2	0.25%
e838	Class1a	397	13,250.0		13,250.1	0.34%	10,831.2	0.28%
e855	Class1a	145	49.200.7	1.25%	49,313.1	1.25%	35,571.9	0.91%
e886	Class1a	0	0.0		0.0	0.00%	14,838.5	
e891	Class1a Class1a	346	62,895.8		64,791.5	1.65%	65,363.9	1.66%
e892	Class1a Class1a	0	02,093.8		0.0	0.00%	386.8	
e092	Consortia	3,360	292,437.2		322,270.8		316,631.9	
e05	Consortia	24,970	722,071.6		763,723.7	19.43%	715,634.4	18.21%
	Consortia		326,245.2			9.37%		
e89		32,160			368,081.4		343,164.6	
e280	Consortia	3,620	166,632.3		176,378.4	4.49%	193,049.4	4.91%
e281	Consortia	1,988	91,070.0		97,987.3		108,312.2	2.76%
e283	Consortia	1,644	13,791.4		13,814.7	0.35%	65,606.3	1.67%
e772	Consortia	5,214	47,361.5		47,433.0		57,914.8	
e773	Consortia	833	17,134.4	0.44%	17,365.3		28,639.0	0.73%
d885	Pump Priming	0	0.0	0.00%	0.0		618.9	0.02%
e853	Pump Priming	105	23.8		27.2	0.00%	203.2	0.01%
e872	Pump Priming	0	0.0	0.00%	0.0	0.00%	519.7	0.01%
e874	Pump Priming	0	0.0	0.00%	0.0	0.00%	152.1	0.00%
e879	Pump Priming	27	115.6		115.6	0.00%	434.7	0.01%
e885	Pump Priming	9	0.0	0.00%	0.0	0.00%	618.9	0.02%
e887	Pump Priming	0	0.0	0.00%	0.0	0.00%	605.5	
e888	Pump Priming	93	2,123.4	0.05%	2,123.4	0.05%	618.9	0.02%
e889	Pump Priming	0	0.0	0.00%	0.0	0.00%	560.1	0.01%
e890	Pump Priming	0	0.0	0.00%	0.0	0.00%	341.6	0.01%
e893	Pump Priming	93	251.4	0.01%	251.4	0.01%	614.4	0.02%
e894	Pump Priming	0	0.0	0.00%	0.0	0.00%	623.9	0.02%
e900	Pump Priming	0	0.0	0.00%	0.0	0.00%	113.3	0.00%
e907	Pump Priming	0	0.0	0.00%	0.0	0.00%	241.7	0.01%
e908	Pump Priming	0	0.0	0.00%	0.0	0.00%	145.9	0.00%
z61	Research	0	0.0	0.00%	0.0	0.00%	0.4	0.00%
d201	GPU 1b	16	39.5	0.00%	39.5		2,068.4	0.05%
e703	Access to HPC	109	150.9		150.9		4,454.2	0.11%
	Access to HPC	4,294	9,409.0		9,409.4		6,749.4	
	Access to HPC	28	164.5		164.5		3,665.7	0.09%
	Access to HPC	211	64,352.1	1.64%	64,655.2	1.65%	25,209.4	0.64%
	Access to HPC	761	30,173.2		30,238.9		18,809.2	0.48%
	Access to HPC	0	0.0		0.0		3,670.5	
	Access to HPC	1,249	14,424.5		14,662.6	0.37%	12,774.7	0.33%
	Access to HPC	0	0.0		0.0	0.00%	14,051.5	
	Access to HPC	28	313.4		313.4	0.01%	1,566.8	
	Access to HPC	167	3,128.6		3,128.6		8,078.5	0.21%
	Access to HPC	902	2,453.7		2,453.7	0.06%	3,815.9	0.10%
	Access to HPC	3,055	30,549.1	0.78%	30,670.4		23,955.7	0.61%
	Access to HPC	3,033	0.0		0.0		34,444.7	0.88%
	Access to HPC	455	6,400.1	0.16%	6,404.5	0.16%	5,600.0	0.14%
	Access to HPC	2	192.0		192.0	0.00%	2,737.8	0.14%
	Access to HPC	44	409.1	0.00%	409.1	0.00%	815.5	
	Access to HPC	0	0.0		0.0	0.01%	543.5	0.02%
	Access to HPC	0	0.0		0.0	0.00%	6,222.2	0.16%
	Access to HPC	54	3,212.8		3,212.8		2,057.8	
	Access to HPC	196	52,362.7	1.33%	52,362.7	1.33%	45,976.1	1.17%
	Access to HPC	5	21.6		21.6		0.0	
	Access to HPC	440	16,893.4		23,213.5		6,532.4	0.17%
e882	Access to HPC	18	9,638.7	0.25%	9,638.7	0.25%	5,390.1	0.14%

Project	Project Class	Number of Jobs	Charged CUs	Charged Utilisation	Used CUs	Utilisation	Allocated CUs	Allocation
0000	Access to HPC	502	9,155.0	0.23%	9,155.0	0.220/	11,185.6	0.28%
	Access to HPC	307	27,093.1	0.23%	27,384.4	0.23% 0.70%	15,555.6	
	Access to HPC	0	0.0	0.00%	0.0	0.00%	13,489.5	
	Access to HPC	168	7,394.3	0.19%	7,452.0	0.19%	2,776.6	
	Access to HPC	1,488	9,907.2	0.25%	9,907.2	0.25%	33,827.7	0.86%
	Access to HPC	26	8,381.1	0.21%	8,382.9	0.21%	10,305.4	0.26%
	Access to HPC	0	0.0	0.00%	0.0	0.00%	17,942.9	
	Access to HPC	63	12,872.3	0.33%	12,872.3	0.33%	17,808.6	
	Access to HPC	24	195.3	0.00%	195.3	0.00%	10,510.5	
e906	Access to HPC	636	577.6		577.6	0.01%	7,419.2	0.19%
	Access to HPC	0	0.0	0.00%	0.0	0.00%	2,635.2	0.07%
EPSRC Total		112,816	2,594,613.5	66.02%	2,748,730.7	69.94%	2,892,346.4	73.60%
n01	Consortia	33,249	54,149.9	1.38%	55,186.8	1.40%	95,123.3	2.42%
n02	Consortia	120,555	661,341.9	16.83%	666,856.5	16.97%	639,397.3	16.27%
n03	Consortia	2,072	52,945.1	1.35%	53,110.4	1.35%	90,443.8	
NERC Total		155,876	768,437.0	19.55%	775,153.7	19.72%	824,964.4	20.99%
b19	Class1a	13	3.4	0.00%	3.4	0.00%	1,336.9	
BBSRC Total		13	3.4	0.00%	3.4	0.00%	1,336.9	
e756	Leadership Awards	315	965.8	0.02%	965.8	0.02%	6,155.3	0.16%
e860		30	240.6	0.01%	240.6	0.01%	1,538.5	0.04%
	Awards			0.0.70		0.0.70	.,000.0	0.0.70
e723		646	194,601.6	4.95%	211,112.9	5.37%	35,766.4	0.91%
e738		65	197.1	0.01%	197.1	0.01%	6,126.4	0.16%
UKRI Total		1,056	196,005.1	4.99%	212,516.4	5.41%	49,586.5	1.26%
ecseag09	eCSE	0	0.0		0.0	0.00%	170.8	
ecseah01	eCSE	279	65.8	0.00%	65.8	0.00%	91.9	0.00%
ecseah05	eCSE	1,074	37.3	0.00%	43.3	0.00%	49.1	0.00%
ecseai04		0	0.0	0.00%	0.0	0.00%	150.1	0.00%
ecseai05	eCSE	0	0.0	0.00%	0.0	0.00%	112.6	0.00%
ecseai12		0	0.0	0.00%	0.0	0.00%	53.2	0.00%
ecseaj02	eCSE	0	0.0	0.00%	0.0	0.00%	53.6	
ecseak01	eCSE	235	144.3	0.00%	144.3	0.00%	56.8	0.00%
ecseak02	eCSE	0	0.0	0.00%	0.0	0.00%	127.3	0.00%
ecseak03	eCSE	18	0.0	0.00%	29.7	0.00%	61.3	0.00%
ecseak05		21	0.6		0.6	0.00%	113.5	0.00%
ecseak07	eCSE	6	22.6		22.6	0.00%	83.8	0.00%
ecseak09		0	0.0	0.00%	0.0	0.00%	64.7	0.00%
ecseak11	eCSE	0	0.0		0.0	0.00%	170.1	0.00%
ecseak12	eCSE	203	12.2	0.00%	12.2	0.00%	54.3	0.00%
ecseak14	eCSE	0	0.0	2 2 2 2 4	0.0	0.00%	150.7	0.00%
ecseak15		0	0.0		0.0		153.4	
ecseak16			0.0	0.00% 0.00%		0.00% 0.00%	63.5	
ecsega10 ecsega20		16 0	23.7 0.0		23.7 0.0	0.00%	67.6 122.7	0.00%
ecsega20 ecsega23		0	0.0	0.00%	0.0	0.00%	139.3	0.00%
ecsega29		0	0.0	0.00%	0.0	0.00%	180.9	
eCSE Total		1,852	306.4		342.2	0.01%	2,291.2	
e609		69	4.2		4.3	0.00%	1,534.2	
d35		1,937	253.5		253.5	0.01%	3,743.3	
d142		0	0.0		0.0	0.00%	383.6	
d183		0	0.0		0.0	0.00%	75.3	
d184		0	0.0	0.00%	0.0	0.00%	3.8	
d193		0	0.0	0.00%	0.0	0.00%	615.4	0.02%
d196		0	0.0	0.00%	0.0	0.00%	38.4	
d197	Research	0	0.0	0.00%	0.0	0.00%	204.4	0.01%
d198		186	4,599.0	0.12%	4,599.0	0.12%	1,965.8	
d199		0	0.0		0.0	0.00%	408.8	
d200		0	0.0	0.00%	0.0	0.00%	181.9	
d202		0	0.0	0.00%	0.0	0.00%	3,835.6	
d203		0	0.0	0.00%	0.0	0.00%	7.7	0.00%
d435		832	7,330.7	0.19%	7,332.5	0.19%	3,784.8	
d442	Research	0	0.0	0.00%	0.0	0.00%	139.3	0.00%

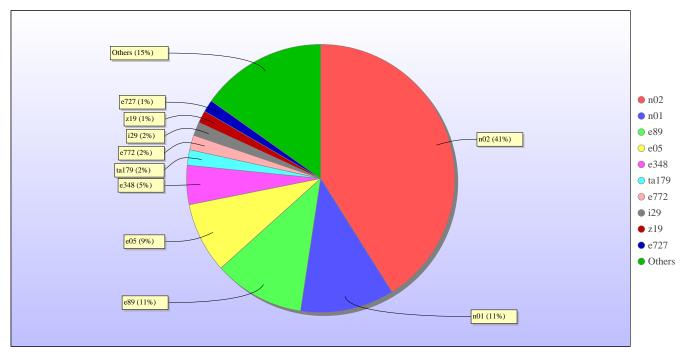
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d443	Research	0	0.0	0.00%	0.0	0.00%	1,472.9	0.04%
d445	Research	226	118.5	0.00%	140.8	0.00%	77.4	0.00%
d450	Research	200	794.4	0.02%	794.4	0.02%	5,632.2	0.14%
i246	Research	44	0.0	0.00%	692.0	0.02%	0.1	0.00%
d433	Industrial	0	0.0	0.00%	0.0	0.00%	49.9	0.00%
d434	Industrial	0	0.0	0.00%	0.0	0.00%	15.3	0.00%
d440	Industrial	0	0.0	0.00%	0.0	0.00%	0.8	0.00%
d441	Industrial	10	0.6	0.00%	0.6	0.00%	137.0	0.00%
i01	Industrial	0	0.0	0.00%	0.0	0.00%	446.6	0.01%
i18	Industrial	0	0.0	0.00%	0.0	0.00%	1,014.0	0.03%
i26	Industrial	24	13.2	0.00%	13.2	0.00%	83.6	0.00%
i29	Industrial	4,843	663.6	0.02%	663.6	0.02%	1,567.7	0.04%
i239	Industrial	669	3,418.6	0.09%	3,454.3	0.09%	1,459.0	0.04%
i241	Industrial	26	7.8	0.00%	7.8	0.00%	790.9	0.02%
i242	Industrial	0	0.0	0.00%	0.0	0.00%	734.8	0.02%
i243	Industrial	0	0.0	0.00%	0.0	0.00%	521.5	0.01%
i244	Industrial	0	0.0	0.00%	0.0	0.00%	793.2	0.02%
i248	Industrial	103	31,166.7	0.79%	34,024.6	0.87%	15,353.0	0.39%
i251	Industrial	348	9,165.6	0.23%	9,171.3	0.23%	756.8	0.02%
i252	Industrial	93	41.6	0.00%	41.6	0.00%	1,085.1	0.03%
i254	Industrial	0	0.0	0.00%	0.0		77.4	0.00%
ta178	Industrial	8	1.5	0.00%	1.5	0.00%	204.3	0.01%
m22ol	Training	0	0.0	0.00%	0.0	0.00%	306.3	0.01%
m24hw	Training	0	0.0	0.00%	0.0	0.00%	436.1	0.01%
m24oc	Training	463	23.2	0.00%	23.3	0.00%	872.3	0.02%
m24ol	Training	0	0.0	0.00%	0.0	0.00%	436.1	0.01%
m24ext	Training	5	0.0	0.00%	0.0	0.00%	87.2	0.00%
mdisspt	Training	456	21.9	0.00%	21.9		537.0	0.01%
ta135	Training	13	27.4	0.00%	27.4		921.9	0.02%
ta136	Training	0	0.0	0.00%	0.0		13.8	0.00%
ta156		0	0.0	0.00%	0.0		28.7	0.00%
ta157	Training	0	0.0	0.00%	0.0		459.0	0.01%
ta169	Training	0	0.0	0.00%	0.0		18.4	0.00%
ta170	Training	152	226.1	0.01%	226.1	0.01%	461.1	0.01%
ta179	Training	5,456	100.3	0.00%	100.3		436.1	0.01%
ta185	Training	0	0.0	0.00%	0.0		416.2	0.01%
ta186	Training	10	0.0	0.00%	0.0		20.2	0.00%
ta187	Training	25	0.1	0.00%	0.1	0.00%	118.3	0.00%
ta188	Training	477	1,399.8	0.04%	1,430.8		461.9	0.01%
ta189	Training	0	0.0	0.00%	0.0		131.2	0.00%
ta192		0	0.0	0.00%	0.0		100.1	0.00%
ta194		0	0.0		0.0		114.1	
ta195		0	0.0		0.0		21.1	0.00%
ta196		0	0.0	0.00%	0.0		101.9	
ta197	Training	0	0.0		0.0		46.2	
	emicAccessUoE	33	12.4	0.00%	15.1		1,547.3	
d444		0	0.0		0.0		1,376.2	
y01	Service	0	0.0	0.00%	0.0		67.6	
y02		605	297.7	0.01%	332.3		1,915.2	0.05%
y07	Service	4	0.0	0.00%	18.4		25.5	
z02		1	0.1	0.00%	0.1		76.7	0.00%
z19		4,359	4,549.2		4,623.3		38,461.5	
z99		0	0.0	0.00%	0.0		76.7	0.00%
d447	UoE Access	165	6.7	0.00%	6.7		2,746.3	
d448	UoE Access	69	458.4	0.01%	458.4	0.01%	2,212.7	0.06%
d449		0	0.0		0.0		110.5	
DirectorsTime Total		21,911	64,703.0		68,479.2		104,357.1	2.66%
	Access to HPC	2	1,050.9		1,050.9		0.0	
Total		2	1,050.9		1,050.9		0.0	0.00%
Total		293,526	3,625,119.4	92.25%	3,806,276.5	96.86%	3,874,882.5	98.60%



Use by Project



Uncharged Use by Project

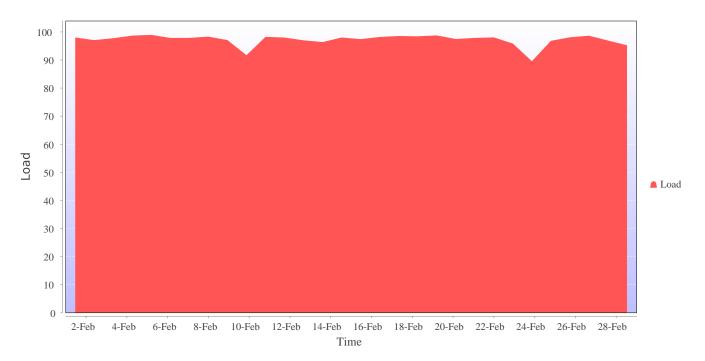


Jobs by Project

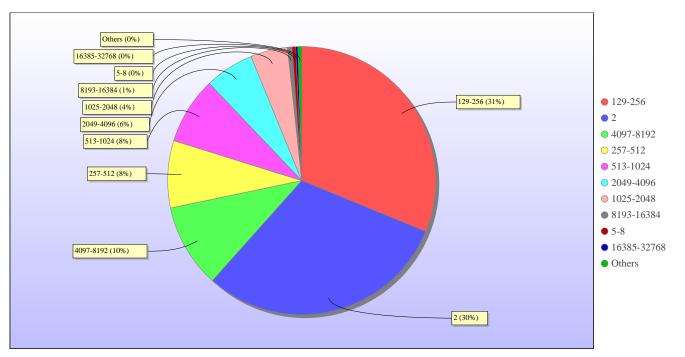
## CUs (by Size)

Size	CUs	Number of Jobs
1	0	1
2	0	89,211
3-4	0	227
5-8	0	1,265
9-16	0	112
17-32	0	479
33-64	0	62
65-128	0	1
129-256	166,647.063	91,611
257-512	197,152.954	
513-1024	355,181.586	
1025-2048	449,404.538	13,112
2049-4096	647,754.1	17,403
4097-8192	582,922.322	
8193-16384	510,046.36	1,638
16385-32768	290,338.798	
32769-65536	201,228.59	322
65537-131072	213,635.592	98
131073-262144	5,931.254	31
262145-524288	0	4
524289-1048576	4,876.2	1

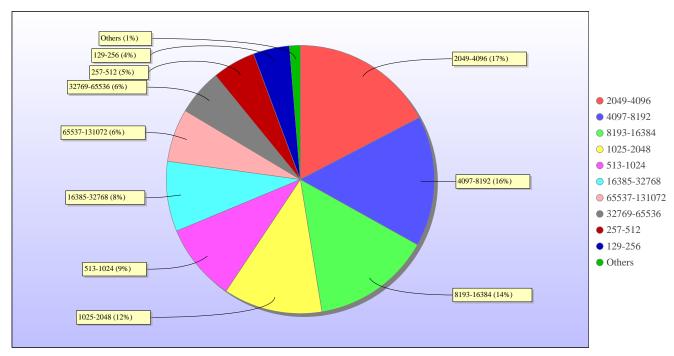
## **Load plots**



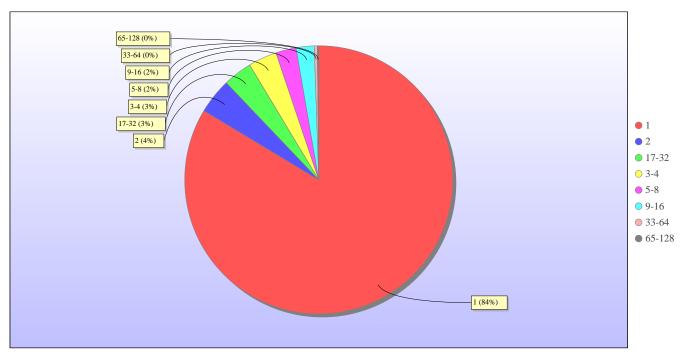
#### Percentage load on machine



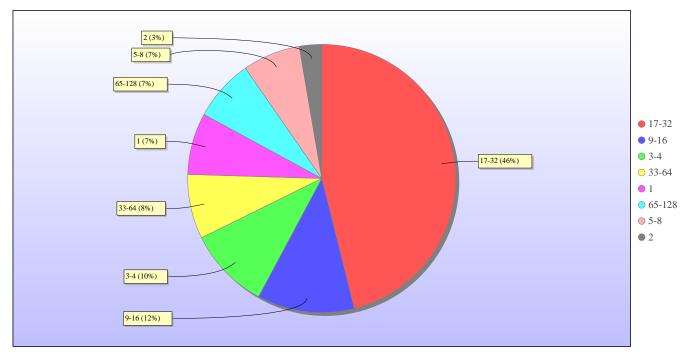
Jobs by Size



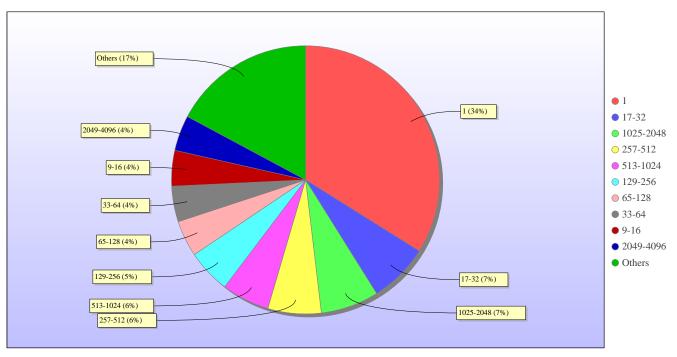
CUs used by Size



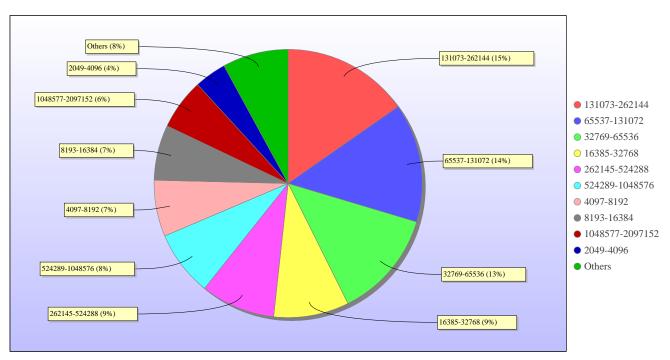
Jobs grouped by wall-clock-hours



CUs used grouped by wall-clock-hours



Jobs grouped by core-hours

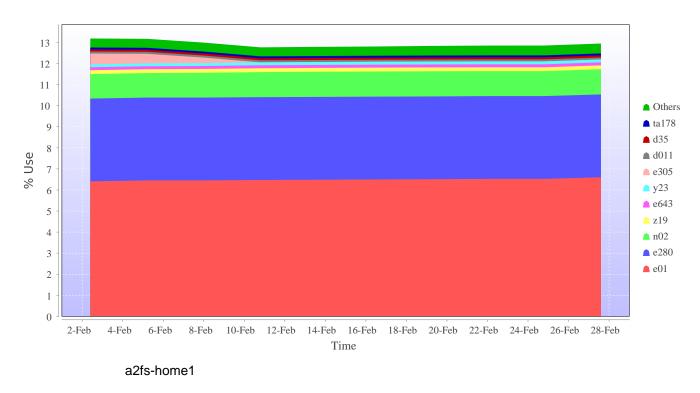


CUs used grouped by core-hours

## Disk usage

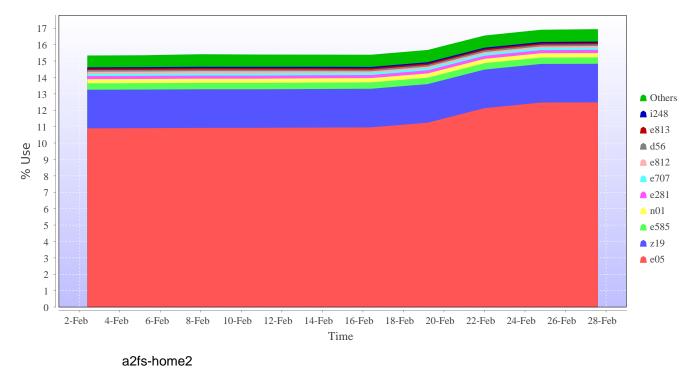
#### Disk usage for home (a2fs-home1)

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.



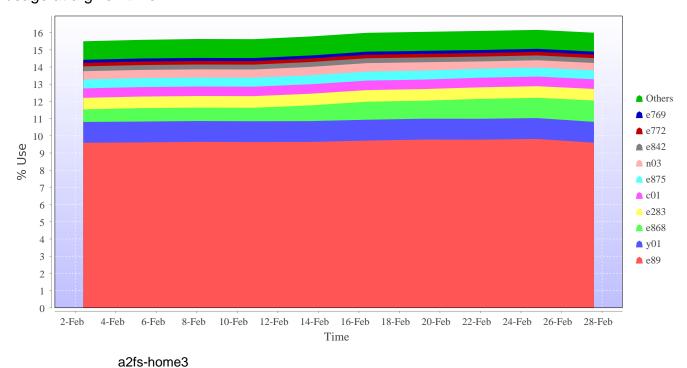
#### Disk usage for home (a2fs-home2)

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.



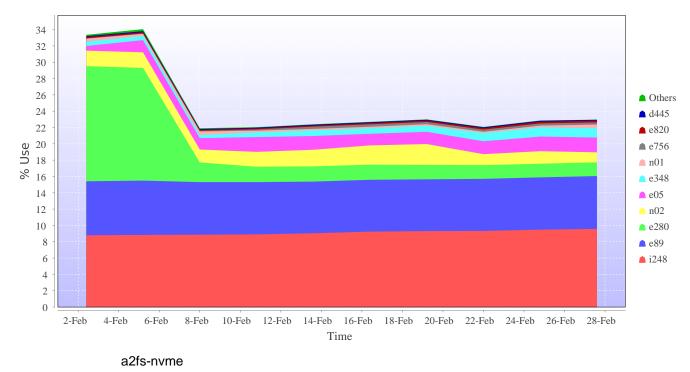
Disk usage for home (a2fs-home3)

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.



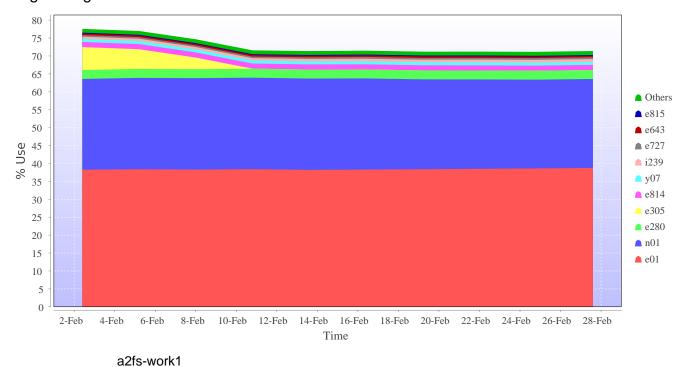
## Disk usage for scratch (a2fs-nvme)

This is a plot of Disk Use on a2fs-nvme 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.



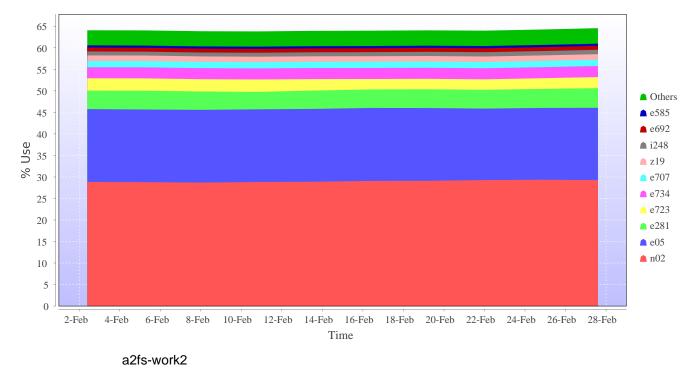
#### Disk usage for work (a2fs-work1)

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.



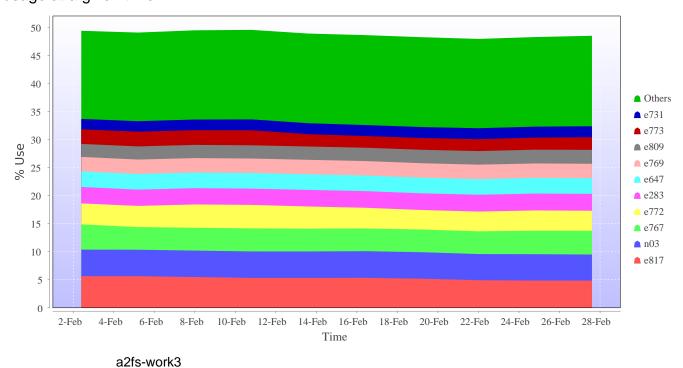
### Disk usage for work (a2fs-work2)

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.



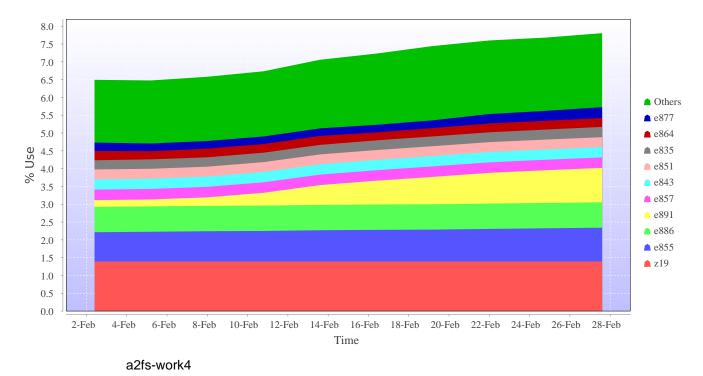
### Disk usage for work (a2fs-work3)

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.



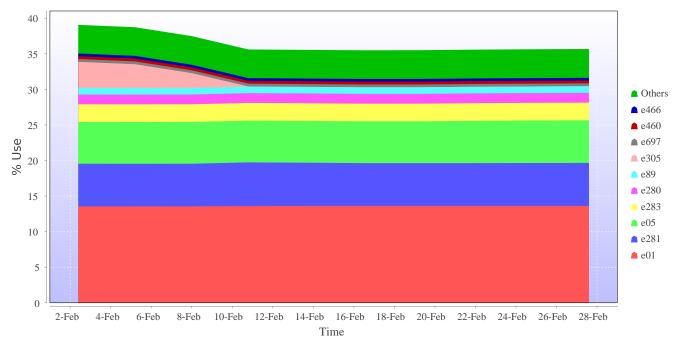
## Disk usage for work (a2fs-work4)

This is a plot of Disk Use on a2fs-work4 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 )

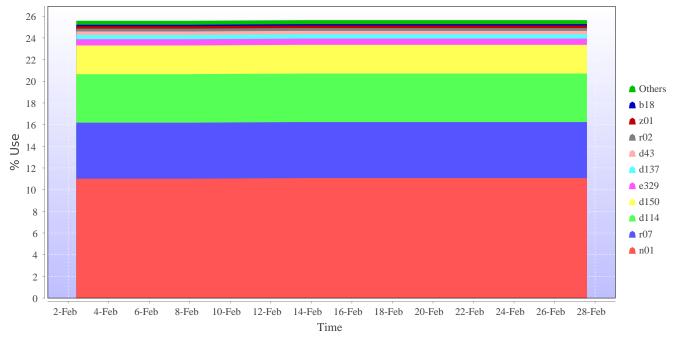
This is a plot of Disk Use on rdfaas\_epsrc against time. The plot is divided into a number of classes according to Project. This is a stacked plot so the top of the plot represents the total usage at a given time.



## Disk usage for general ( rdfaas\_general )

rdfaas\_epsrc

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.



rdfaas\_general