

Monthly Reporting

Report from 01 October 2019 to 31 December 2019

Report for Resource Pool XC on All machines

A total of 3,912,580.773 kAU 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.

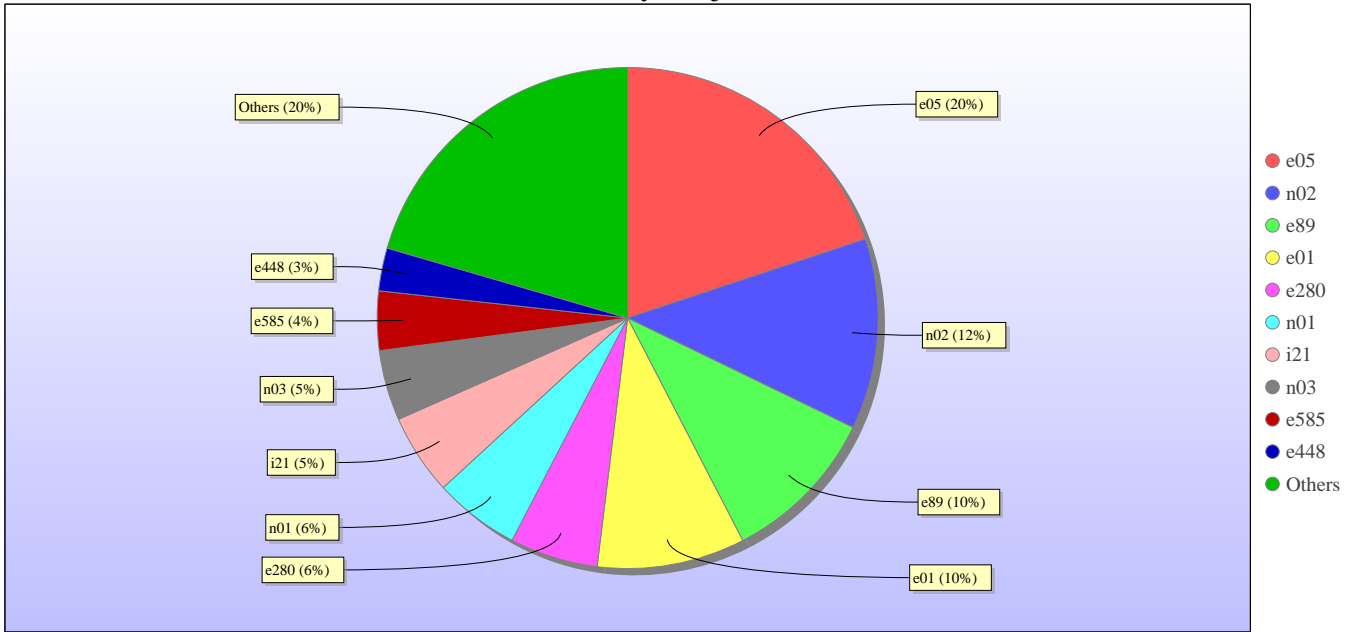
The (Allocation) column is the time allocated to the project, scaled according to the reporting period and shown as a fraction of the available resources. If this report period is a sub-period of the Allocation period then the SAFE calculates the Allocation for this sub-period based on a linear spend 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 kAUs	Charged Utilisation	Used kAUs	Utilisation	Allocated kAUs	Allocation
e462	Leadership Awards	78	1,094.8	0.03%	1,094.8	0.03%	1,200.0	0.03%
E635	Class1a	1,043	4,291.5	0.11%	4,966.1	0.13%	3,121.2	0.08%
c01	Class1a	1,297	25,625.5	0.65%	25,625.5	0.65%	39,482.4	1.01%
e403	Class1a	0	0.0	0.00%	0.0	0.00%	25,600.9	0.65%
e432	Class1a	147	2,157.9	0.06%	2,157.9	0.06%	9,225.8	0.24%
e448	Class1a	1,014	96,622.6	2.47%	96,628.2	2.47%	65,951.8	1.69%
e451	Class1a	48	150.7	0.00%	150.7	0.00%	11,242.6	0.29%
e517	Class1a	0	0.0	0.00%	0.0	0.00%	0.0	0.00%
e519	Class1a	27	2,303.0	0.06%	2,303.5	0.06%	17,131.8	0.44%
e527	Class1a	0	0.0	0.00%	0.0	0.00%	5,501.2	0.14%
e530	Class1a	103	6,062.0	0.15%	6,062.0	0.15%	3,354.7	0.09%
e537	Class1a	850	4,995.7	0.13%	4,995.7	0.13%	5,635.3	0.14%
e558	Class1a	0	0.0	0.00%	0.0	0.00%	1,637.7	0.04%
e569	Class1a	0	0.0	0.00%	0.0	0.00%	5,871.1	0.15%
e571	Class1a	0	0.0	0.00%	0.0	0.00%	597.7	0.02%
e572	Class1a	1,763	17,893.1	0.46%	21,550.7	0.55%	10,161.7	0.26%
e575	Class1a	59	56.8	0.00%	56.8	0.00%	8,595.3	0.22%
e580	Class1a	18	2,475.4	0.06%	2,475.4	0.06%	2,443.5	0.06%
e584	Class1a	44	8,362.1	0.21%	8,362.1	0.21%	8,223.2	0.21%
e588	Class1a	15	3,530.5	0.09%	3,530.5	0.09%	8,419.4	0.22%
e606	Class1a	616	17,370.6	0.44%	17,370.9	0.44%	21,704.7	0.55%
e607	Class1a	506	14,613.1	0.37%	14,613.3	0.37%	35,207.2	0.90%
e608	Class1a	352	11,771.0	0.30%	18,939.3	0.48%	10,058.5	0.26%
e609	Class1a	1,196	8,307.0	0.21%	8,432.9	0.22%	25,651.0	0.66%
e610	Class1a	41	19,570.4	0.50%	19,571.2	0.50%	22,505.1	0.58%
e611	Class1a	10	43.3	0.00%	43.3	0.00%	1,424.9	0.04%
e613	Class1a	17	1,083.6	0.03%	1,083.6	0.03%	2,853.3	0.07%
e627	Class1a	820	2,342.3	0.06%	2,342.3	0.06%	22,249.3	0.57%
e630	Class1a	327	9,069.4	0.23%	9,069.4	0.23%	23,603.2	0.60%
e637	Class1a	79	954.9	0.02%	955.1	0.02%	4,099.6	0.10%
e642	Class1a	35	1,736.3	0.04%	1,739.9	0.04%	6,001.4	0.15%
e643	Class1a	0	0.0	0.00%	0.0	0.00%	15,003.4	0.38%
e645	Class1a	188	1,796.7	0.05%	1,796.7	0.05%	12,109.8	0.31%
e647	Class1a	102	49.5	0.00%	49.5	0.00%	9,960.3	0.25%
e649	Class1a	27	716.5	0.02%	716.5	0.02%	5,905.1	0.15%
e651	Class1a	252	4,649.8	0.12%	4,649.8	0.12%	6,049.4	0.15%
e01	Consortia	8,279	280,713.2	7.17%	333,557.8	8.53%	232,790.2	5.95%
e05	Consortia	34,676	547,991.5	14.01%	694,399.3	17.75%	669,554.1	17.11%
e89	Consortia	54,931	349,725.7	8.94%	356,450.6	9.11%	357,986.4	9.15%
e280	Consortia	7,186	189,049.3	4.83%	198,440.2	5.07%	167,940.8	4.29%
e281	Consortia	1,481	69,159.0	1.77%	73,125.9	1.87%	67,075.3	1.71%

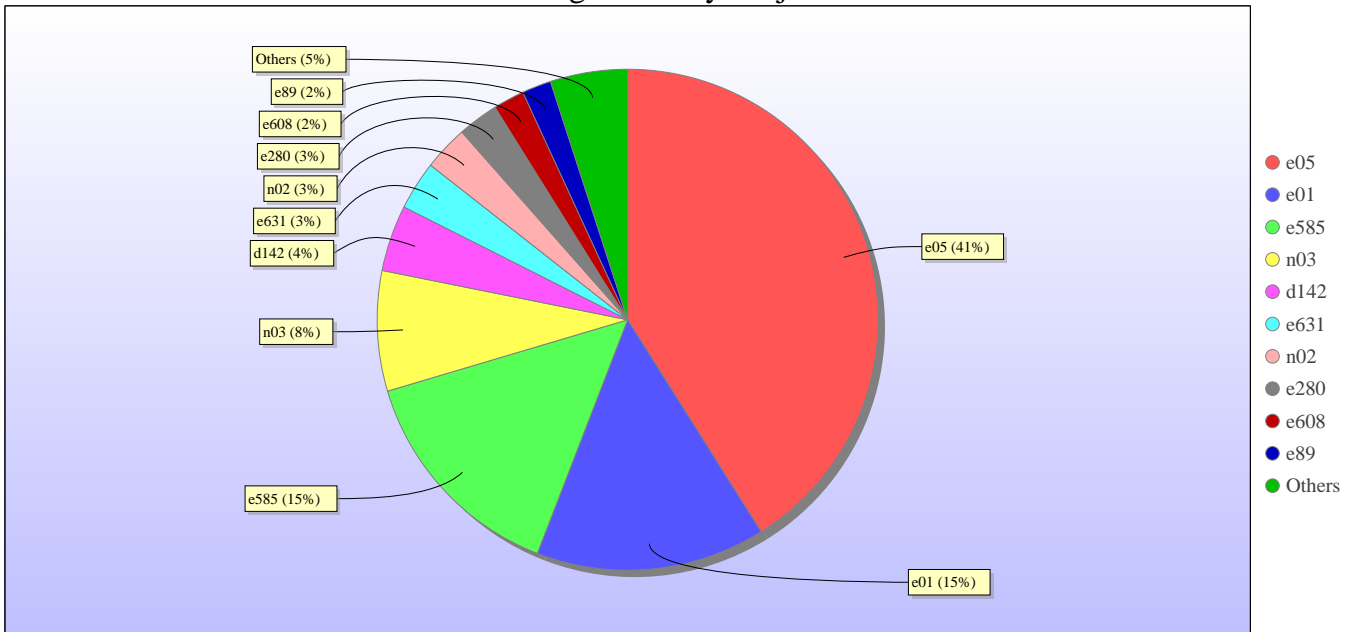
Project	Project Class	Number of Jobs	Charged kAUs	Charged Utilisation	Used kAUs	Utilisation	Allocated kAUs	Allocation
e283	Consortia	5,570	78,494.5	2.01%	79,977.0	2.04%	48,726.2	1.25%
e305	Consortia	2,584	89,797.9	2.30%	90,010.2	2.30%	120,552.8	3.08%
e585	Consortia	1,771	81,475.3	2.08%	133,301.4	3.41%	88,018.0	2.25%
e348	Direct Access: ARCHER RAP	1,096	12,700.4	0.32%	12,700.4	0.32%	13,322.1	0.34%
e582	Direct Access: ARCHER RAP	170	650.6	0.02%	650.6	0.02%	2,604.5	0.07%
e590	Direct Access: ARCHER RAP	0	0.0	0.00%	0.0	0.00%	12,031.7	0.31%
e614	Direct Access: ARCHER RAP	1,130	20,861.2	0.53%	20,861.2	0.53%	13,532.8	0.35%
e616	Direct Access: ARCHER RAP	75	4,237.5	0.11%	4,237.5	0.11%	3,365.2	0.09%
e618	Direct Access: ARCHER RAP	0	0.0	0.00%	0.0	0.00%	5,987.2	0.15%
e619	Direct Access: ARCHER RAP	28	188.2	0.00%	188.2	0.00%	2,810.7	0.07%
e620	Direct Access: ARCHER RAP	297	12,043.7	0.31%	12,849.1	0.33%	12,914.2	0.33%
e622	Direct Access: ARCHER RAP	16	87.4	0.00%	87.4	0.00%	10,039.6	0.26%
e638	Direct Access: ARCHER RAP	44	293.0	0.01%	293.0	0.01%	4,251.0	0.11%
e639	Direct Access: ARCHER RAP	84	0.7	0.00%	0.7	0.00%	2,497.8	0.06%
e640	Direct Access: ARCHER RAP	0	0.0	0.00%	0.0	0.00%	26,831.3	0.69%
e641	Direct Access: ARCHER RAP	339	7,330.0	0.19%	7,330.0	0.19%	15,180.0	0.39%
e628	Instant Access	0	0.0	0.00%	0.0	0.00%	91.8	0.00%
e629	Instant Access	0	0.0	0.00%	0.0	0.00%	124.6	0.00%
e632	Instant Access	5	0.0	0.00%	0.0	0.00%	326.8	0.01%
e633	Instant Access	4	69.4	0.00%	69.4	0.00%	183.8	0.00%
e634	Instant Access	0	0.0	0.00%	0.0	0.00%	202.4	0.01%
e636	Instant Access	0	0.0	0.00%	0.0	0.00%	395.9	0.01%
e646	Instant Access	203	715.2	0.02%	715.3	0.02%	600.3	0.02%
e652	Instant Access	0	0.0	0.00%	0.0	0.00%	277.0	0.01%
csc01	Research	0	0.0	0.00%	0.0	0.00%	126.7	0.00%
ecse1321	eCSE	6	0.0	0.00%	0.0	0.00%	84.7	0.00%
e604	Training	198	804.0	0.02%	1,807.1	0.05%	5,669.4	0.14%
e612	Training	250	733.0	0.02%	787.7	0.02%	5,682.1	0.15%
e631	Training	344	1,031.1	0.03%	12,275.9	0.31%	6,028.9	0.15%
e644	Training	1,099	4,262.1	0.11%	5,365.4	0.14%	6,789.4	0.17%
y16	Service	0	0.0	0.00%	0.0	0.00%	420.3	0.01%
z17	Service	0	0.0	0.00%	0.0	0.00%	10,002.3	0.26%
EPSRC Total		132,940	2,022,109.9	51.68%	2,320,814.7	59.32%	2,372,801.7	60.65%
n01	Consortia	14,514	195,717.9	5.00%	193,201.9	4.94%	359,560.2	9.19%
n02	Consortia	59,548	425,325.4	10.87%	429,406.3	10.98%	481,126.9	12.30%
n03	Consortia	4,481	130,870.8	3.34%	158,527.3	4.05%	232,428.5	5.94%
NERC Total		78,543	751,914.1	19.22%	781,135.5	19.96%	1,073,115.5	27.43%
e621	Leadership Awards	528	9,409.2	0.24%	9,409.2	0.24%	11,752.7	0.30%
e568	Research	221	3,469.2	0.09%	3,469.2	0.09%	11,494.1	0.29%
BBSRC Total		749	12,878.4	0.33%	12,878.4	0.33%	23,246.7	0.59%
pr1u0002	Class1a	0	0.0	0.00%	0.0	0.00%	504.3	0.01%
pr1u0001	DECI: EXEC	0	0.0	0.00%	0.0	0.00%	8.4	0.00%
pr1u1551	DECI: EXEC	94	13,230.2	0.34%	13,230.2	0.34%	18,964.6	0.48%
pr1u1552	DECI: EXEC	255	6,013.1	0.15%	6,046.4	0.15%	11,433.8	0.29%
pr1u1553	DECI: EXEC	11	0.7	0.00%	0.7	0.00%	29,727.7	0.76%
pr1u1554	DECI: EXEC	706	1,216.4	0.03%	1,240.0	0.03%	2,267.7	0.06%
pr1u1501	DECI: HOME	0	0.0	0.00%	0.0	0.00%	0.2	0.00%
pr1u1502	DECI: HOME	0	0.0	0.00%	0.0	0.00%	0.2	0.00%
pr1u1503	DECI: HOME	0	0.0	0.00%	0.0	0.00%	1,627.5	0.04%
pr1u1504	DECI: HOME	0	0.0	0.00%	0.0	0.00%	0.2	0.00%

Project	Project Class	Number of Jobs	Charged kAUs	Charged Utilisation	Used kAUs	Utilisation	Allocated kAUs	Allocation
pr1u1505	DECI: HOME	0	0.0	0.00%	0.0	0.00%	0.2	0.00%
pr1u1506	DECI: HOME	111	3,367.6	0.09%	3,367.6	0.09%	4,824.0	0.12%
pr1u1507	DECI: HOME	0	0.0	0.00%	0.0	0.00%	0.2	0.00%
PRACE Total		1,177	23,828.0	0.61%	23,885.0	0.61%	69,359.0	1.77%
ecse0910	eCSE	257	72.6	0.00%	72.6	0.00%	143.0	0.00%
ecse1303	eCSE	0	0.0	0.00%	0.0	0.00%	142.0	0.00%
ecse1307	eCSE	34	534.2	0.01%	534.2	0.01%	142.0	0.00%
ecse1320	eCSE	52	235.0	0.01%	235.0	0.01%	132.3	0.00%
eCSE Total		343	841.8	0.02%	841.8	0.02%	559.3	0.01%
d43	ECDF	22	354.0	0.01%	354.0	0.01%	126.1	0.00%
d56	Research	2,389	32,856.7	0.84%	32,856.7	0.84%	20,004.5	0.51%
d67	Research	0	0.0	0.00%	0.0	0.00%	504.3	0.01%
d88	Research	39	0.0	0.00%	0.0	0.00%	173.0	0.00%
d114	Research	2,873	37,136.3	0.95%	37,762.5	0.97%	33,592.7	0.86%
d118	Research	555	282.1	0.01%	284.7	0.01%	390.9	0.01%
d137	Research	763	8,104.6	0.21%	8,479.8	0.22%	11,353.8	0.29%
d142	Research	52	12,798.1	0.33%	28,048.8	0.72%	4,286.9	0.11%
d143	Research	67	1,644.3	0.04%	1,644.3	0.04%	5,038.8	0.13%
d150	Research	151	1,610.6	0.04%	1,610.6	0.04%	24,005.4	0.61%
d155	Research	591	6,046.2	0.15%	6,046.2	0.15%	7,565.1	0.19%
d166	Research	0	0.0	0.00%	0.0	0.00%	2,055.2	0.05%
d170	Research	0	0.0	0.00%	0.0	0.00%	7.5	0.00%
d153	Industrial	165	153.2	0.00%	153.4	0.00%	3,026.0	0.08%
d168	Industrial	0	0.0	0.00%	0.0	0.00%	79.6	0.00%
d427	Industrial	0	0.0	0.00%	0.0	0.00%	0.5	0.00%
i01	Industrial	0	0.0	0.00%	0.0	0.00%	719.1	0.02%
i18	Industrial	108	11,399.3	0.29%	11,399.3	0.29%	19,200.8	0.49%
i21	Industrial	9,880	212,500.5	5.43%	181,976.3	4.65%	59,259.7	1.51%
i232	Industrial	0	0.0	0.00%	0.0	0.00%	0.3	0.00%
i234	Industrial	0	0.0	0.00%	0.0	0.00%	274.8	0.01%
i235	Industrial	0	0.0	0.00%	0.0	0.00%	0.4	0.00%
x08	Industrial	0	0.0	0.00%	0.0	0.00%	30.3	0.00%
d74	Training	0	0.0	0.00%	0.0	0.00%	504.3	0.01%
d171	Training	0	0.0	0.00%	0.0	0.00%	7.5	0.00%
d134	Service	0	0.0	0.00%	0.0	0.00%	25.2	0.00%
d425	Service	39	10.6	0.00%	10.6	0.00%	12.6	0.00%
z99	Service	74	0.8	0.00%	0.8	0.00%	6.0	0.00%
d169	UoE Access	0	0.0	0.00%	0.0	0.00%	0.2	0.00%
DirectorsTime Total		17,768	324,897.3	8.30%	310,628.0	7.94%	192,251.5	4.91%
y14	Training	684	379.3	0.01%	256.7	0.01%	2,269.5	0.06%
y01	Service	0	0.0	0.00%	0.0	0.00%	25.2	0.00%
y02	Service	12	0.2	0.00%	0.2	0.00%	252.2	0.01%
y07	Service	153	0.4	0.00%	2.5	0.00%	188.6	0.00%
y21	Service	6	0.1	0.00%	0.1	0.00%	1,260.8	0.03%
z02	Service	9	0.0	0.00%	0.0	0.00%	12.6	0.00%
z19	Service	260	9.9	0.00%	10.2	0.00%	8,414.0	0.22%
CSE Total		1,124	389.9	0.01%	269.8	0.01%	12,422.9	0.32%
csc02	Research	402	40,750.7	1.04%	40,750.7	1.04%	82,648.8	2.11%
CSC Total		402	40,750.7	1.04%	40,750.7	1.04%	82,648.8	2.11%
w17	Service	2,672	186.5	0.00%	186.5	0.00%	360.7	0.01%
w18	Service	0	0.0	0.00%	0.0	0.00%	506.0	0.01%
w19	Service	0	0.0	0.00%	0.0	0.00%	506.0	0.01%
w20	Service	0	0.0	0.00%	0.0	0.00%	902.2	0.02%
Internal Total		2,672	186.5	0.00%	186.5	0.00%	2,274.9	0.06%
Total		235,718	3,177,796.7	81.22%	3,491,390.4	89.23%	3,828,680.3	97.86%

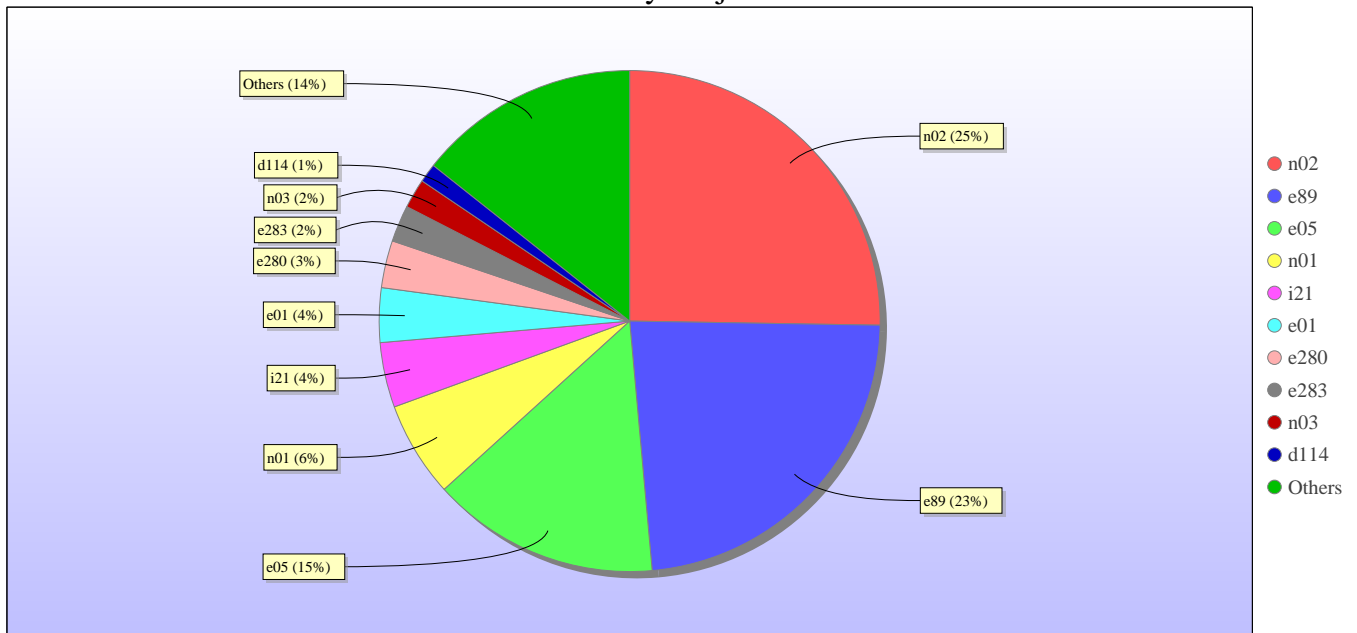
Use by Project



Uncharged Use by Project



Jobs by Project



kAUs (by Size)

Size	kAUs	Number of Jobs
17-32	44,256.436	75,025
33-64	43,708.63	10,157
65-128	195,708.147	70,660
129-256	446,815.01	35,685
257-512	547,456.455	22,842
513-1024	498,820.285	9,464
1025-2048	490,981.463	5,390
2049-4096	294,434.56	1,993
4097-8192	285,329.184	3,880
8193-16384	136,053.651	454
16385-32768	46,006.43	86
32769-65536	5,327.91	25
65537-131072	13,783.321	21

Report for Resource Pool RDF on All machines

A total of 0 kAU 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.

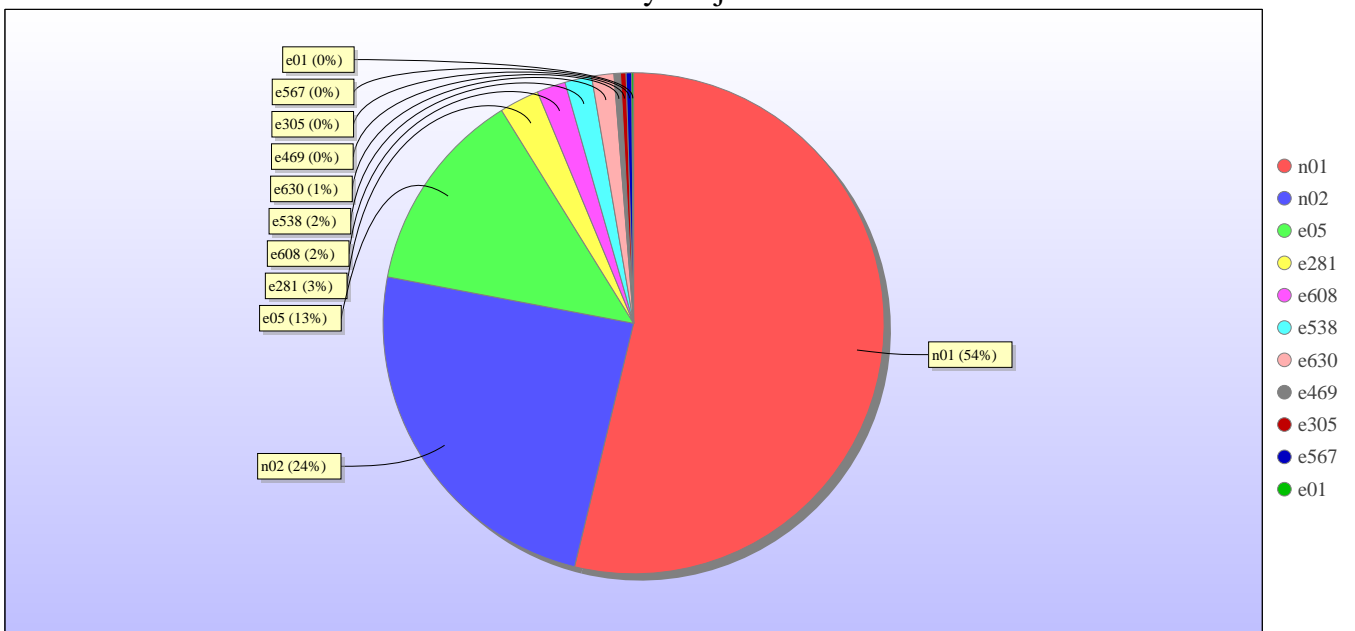
Project	Project Class	Number of Jobs	Charged kAUs	Charged Utilisation	Used kAUs	Utilisation	Allocated kAUs	Allocation
e469	Leadership Awards	7	0.0		0.0		0.0	
e608	Class1a	31	0.0		0.0		0.0	
e630	Class1a	24	0.0		0.0		0.0	

Project	Project Class	Number of Jobs	Charged kAUs	Charged Utilisation	Used kAUs	Utilisation	Allocated kAUs	Allocation
e01	Consortia	2	0.0		0.0		0.0	
e05	Consortia	221	0.0		0.0		0.0	
e281	Consortia	43	0.0		0.0		0.0	
e305	Consortia	6	0.0		0.0		0.0	
e567	Direct Access: ARCHER RAP	6	0.0		0.0		0.0	
e538	Training	29	0.0		0.0		0.0	
EPSRC Total		369	0.0		0.0		0.0	
n01	Consortia	901	0.0		0.0		0.0	
n02	Consortia	405	0.0		0.0		0.0	
NERC Total		1,306	0.0		0.0		0.0	
Total		1,675	0.0	0	0.0	0	0.0	0

Use by Project



Jobs by Project



kAUs (by Size)

Size	kAUs	Number of Jobs
1	0	1,675

Report for Resource Pool KNL on All machines

A total of 9,542.836 kAU were available during this period.

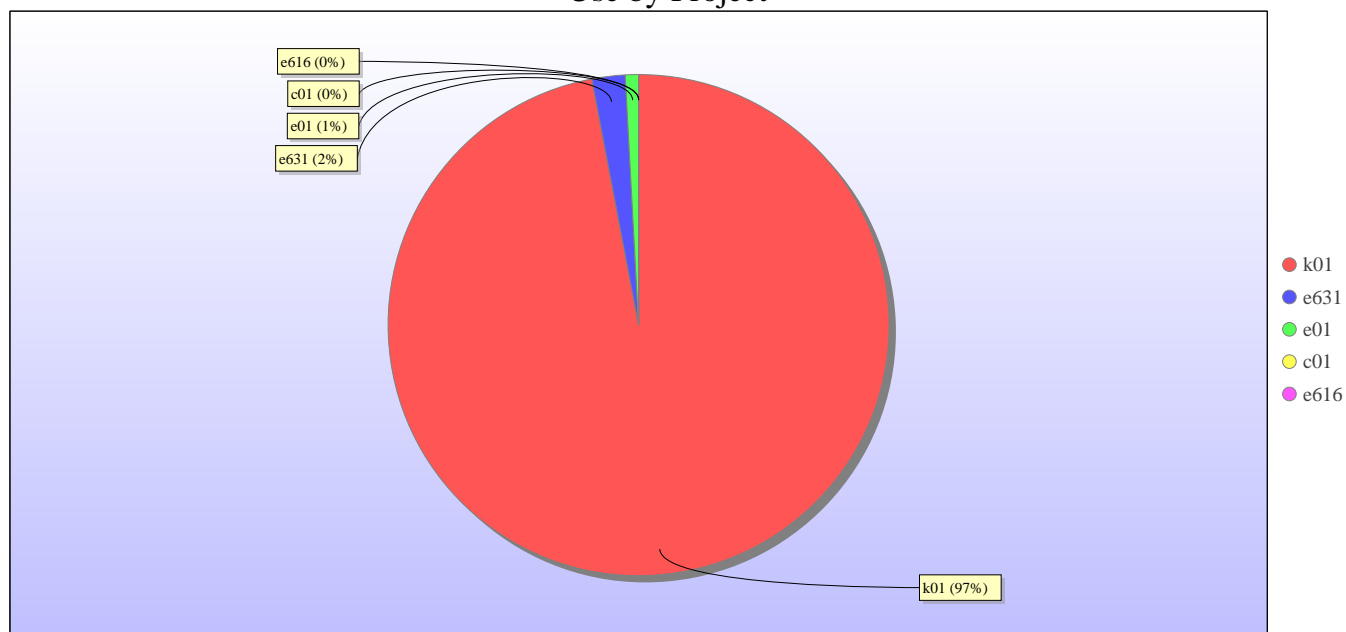
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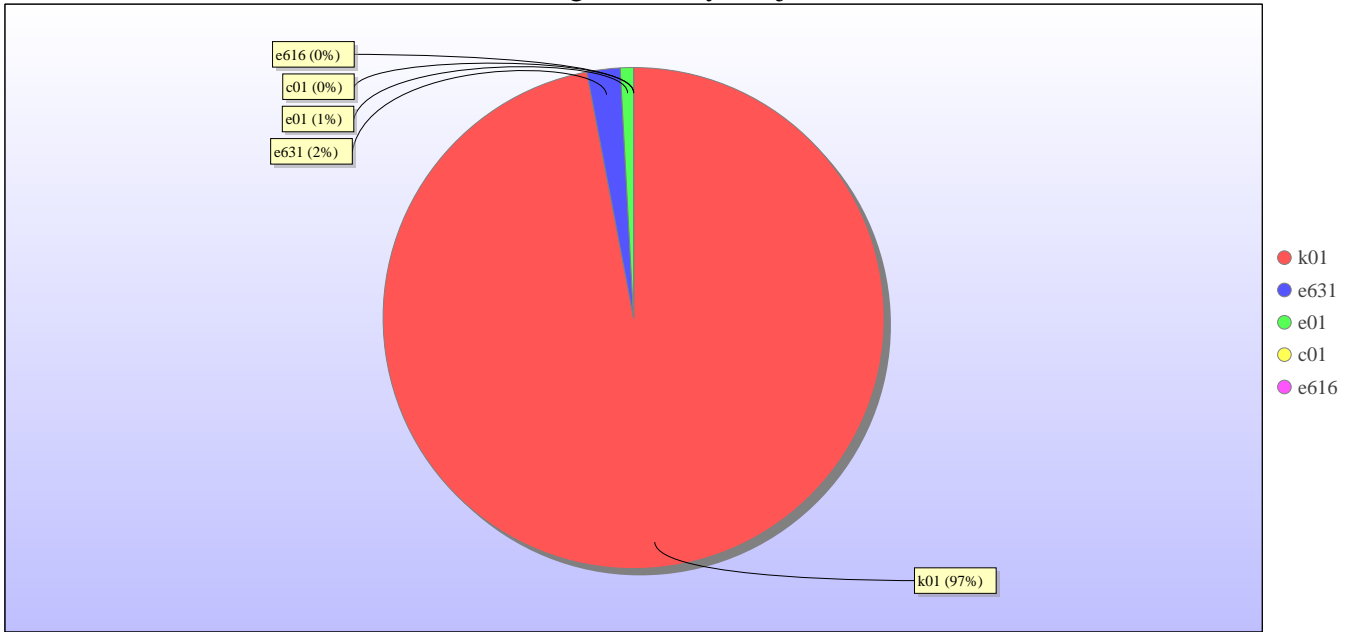
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c01	Class1a	2	0.0	0.00%	0.1	0.00%	0.0	0.00%
e01	Consortia	52	0.0	0.00%	35.7	0.37%	0.0	0.00%
e616	Direct Access: ARCHER RAP	4	0.0	0.00%	0.0	0.00%	0.0	0.00%
e631	Training	55	0.0	0.00%	90.0	0.94%	0.0	0.00%
k01	Service	232	0.0	0.00%	4,078.8	42.74%	3,906.6	40.94%
EPSRC Total		345	0.0	0.00%	4,204.6	44.06%	3,906.6	40.94%
Total		345	0.0	0.00%	4,204.6	44.06%	3,906.6	40.94%

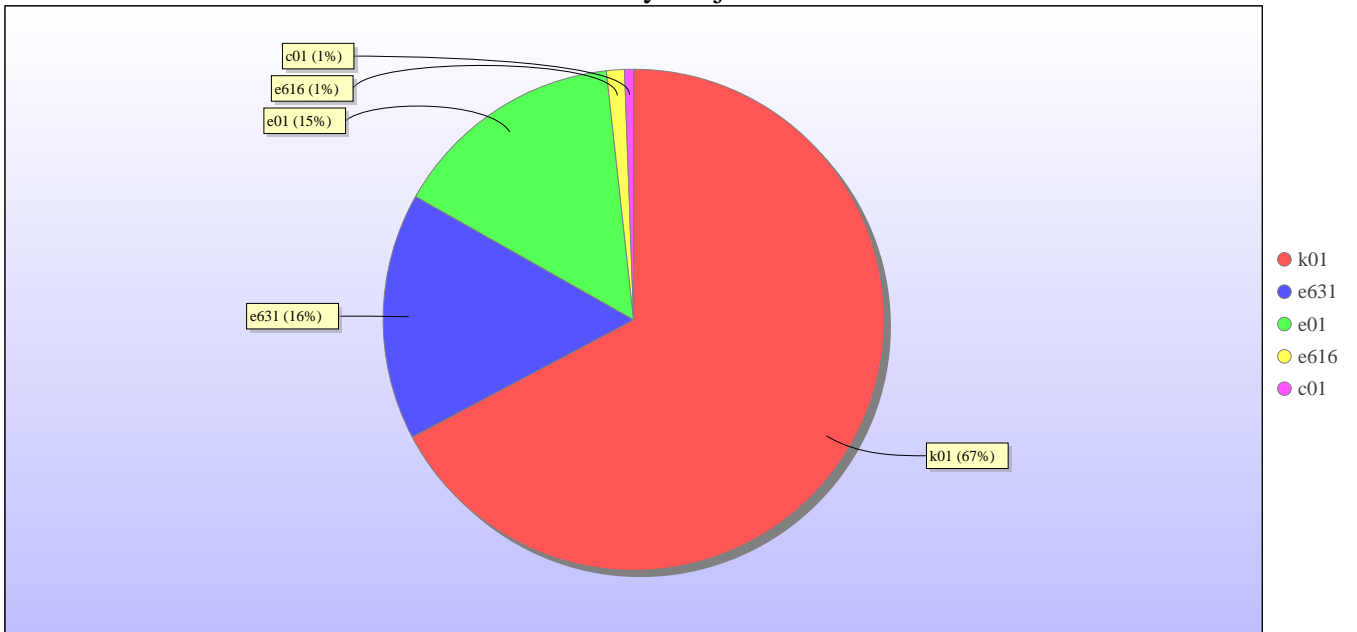
Use by Project



Uncharged Use by Project



Jobs by Project



kAUs (by Size)

Size	kAUs	Number of Jobs
33-64	0	105
65-128	0	56
129-256	0	23
257-512	0	161