

Monthly Reporting

Report from 01 November 2019 to 30 November 2019

Report for Resource Pool XC on ARCHER

A total of 1,275,263.997 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.

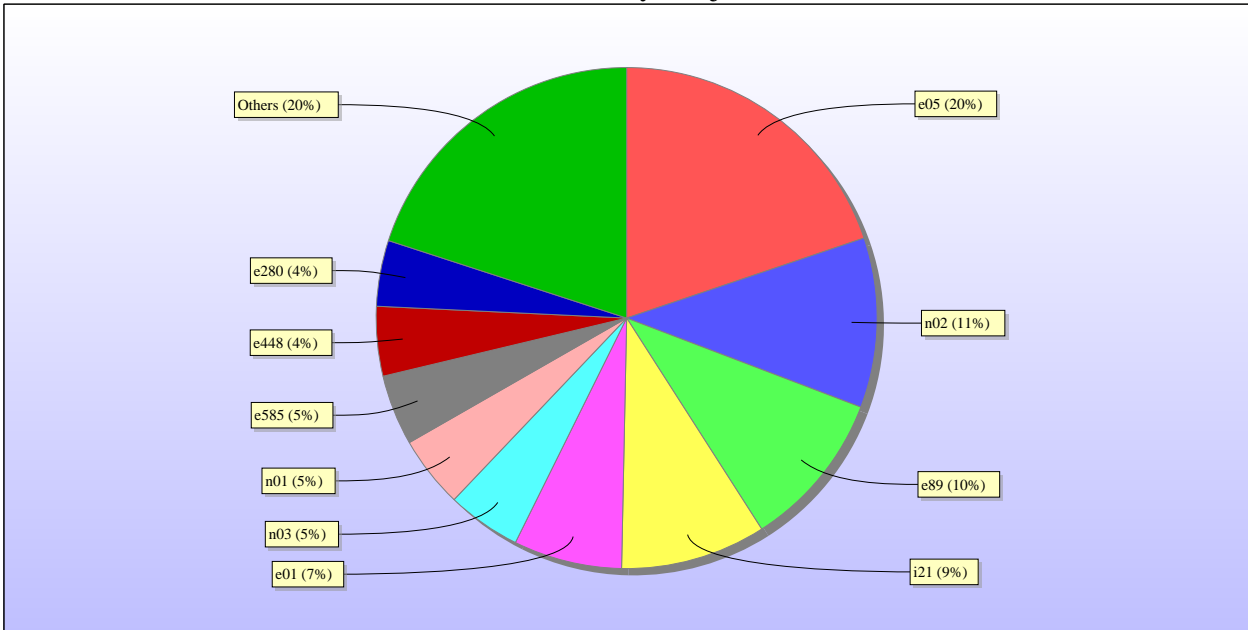
The (Allocation) column is the time allocated to the project, scaled according to the reporting period and shown as a fraction of the available resources. If this report period is a sub-period of the Allocation period then the SAFE calculates the Allocation for this sub-period based on a linear spend 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
E635	Class1a	218	2,318.5	0.18%	2,663.9	0.21%	701.2	0.05%
c01	Class1a	623	9,721.0	0.76%	9,721.0	0.76%	12,868.9	1.01%
e403	Class1a	0	0.0	0.00%	0.0	0.00%	8,344.3	0.65%
e432	Class1a	75	1,053.7	0.08%	1,053.7	0.08%	2,873.7	0.23%
e448	Class1a	382	51,190.2	4.01%	51,195.8	4.01%	21,496.3	1.69%
e451	Class1a	10	17.7	0.00%	17.7	0.00%	3,664.4	0.29%
e517	Class1a	0	0.0	0.00%	0.0	0.00%	0.0	0.00%
e519	Class1a	19	0.0	0.00%	0.5	0.00%	8,360.7	0.66%
e527	Class1a	0	0.0	0.00%	0.0	0.00%	1,793.1	0.14%
e530	Class1a	38	2,602.0	0.20%	2,602.0	0.20%	1,093.4	0.09%
e537	Class1a	192	2,493.4	0.20%	2,493.4	0.20%	1,836.8	0.14%
e558	Class1a	0	0.0	0.00%	0.0	0.00%	522.2	0.04%
e569	Class1a	0	0.0	0.00%	0.0	0.00%	1,913.6	0.15%
e571	Class1a	0	0.0	0.00%	0.0	0.00%	252.4	0.02%
e572	Class1a	787	11,210.3	0.88%	12,685.1	0.99%	3,277.9	0.26%
e575	Class1a	48	13.1	0.00%	13.1	0.00%	2,801.6	0.22%
e580	Class1a	0	0.0	0.00%	0.0	0.00%	796.4	0.06%
e584	Class1a	26	4,303.2	0.34%	4,303.2	0.34%	2,680.3	0.21%
e588	Class1a	0	0.0	0.00%	0.0	0.00%	2,951.5	0.23%
e606	Class1a	111	154.6	0.01%	155.0	0.01%	4,602.5	0.36%
e607	Class1a	203	2,568.5	0.20%	2,568.5	0.20%	11,475.4	0.90%
e608	Class1a	179	6,914.3	0.54%	9,751.1	0.76%	3,277.9	0.26%
e609	Class1a	310	401.5	0.03%	381.4	0.03%	8,360.7	0.66%
e610	Class1a	10	1,893.4	0.15%	1,893.5	0.15%	7,335.3	0.58%
e611	Class1a	6	18.7	0.00%	18.7	0.00%	464.4	0.04%
e613	Class1a	1	86.5	0.01%	86.5	0.01%	983.4	0.08%
e627	Class1a	395	791.4	0.06%	791.4	0.06%	7,251.9	0.57%
e630	Class1a	85	2,308.7	0.18%	2,308.7	0.18%	4,500.0	0.35%
e637	Class1a	10	109.5	0.01%	109.6	0.01%	819.5	0.06%
e642	Class1a	0	0.0	0.00%	0.0	0.00%	1,956.1	0.15%
e643	Class1a	0	0.0	0.00%	0.0	0.00%	4,890.2	0.38%
e645	Class1a	35	527.8	0.04%	527.8	0.04%	3,947.0	0.31%
e647	Class1a	15	0.0	0.00%	0.0	0.00%	8,021.4	0.63%
e649	Class1a	9	285.8	0.02%	285.8	0.02%	2,459.0	0.19%
e651	Class1a	106	2,598.0	0.20%	2,598.0	0.20%	1,971.7	0.15%
e01	Consortia	1,306	65,424.2	5.13%	79,916.3	6.27%	75,875.5	5.95%
e05	Consortia	12,334	182,750.3	14.33%	226,286.1	17.74%	218,234.0	17.11%
e89	Consortia	37,497	115,579.3	9.06%	115,889.9	9.09%	116,681.9	9.15%
e280	Consortia	1,317	46,986.2	3.68%	48,528.6	3.81%	52,754.6	4.14%
e281	Consortia	576	36,914.5	2.89%	39,150.9	3.07%	20,754.8	1.63%
e283	Consortia	1,596	39,459.0	3.09%	40,588.2	3.18%	14,645.8	1.15%

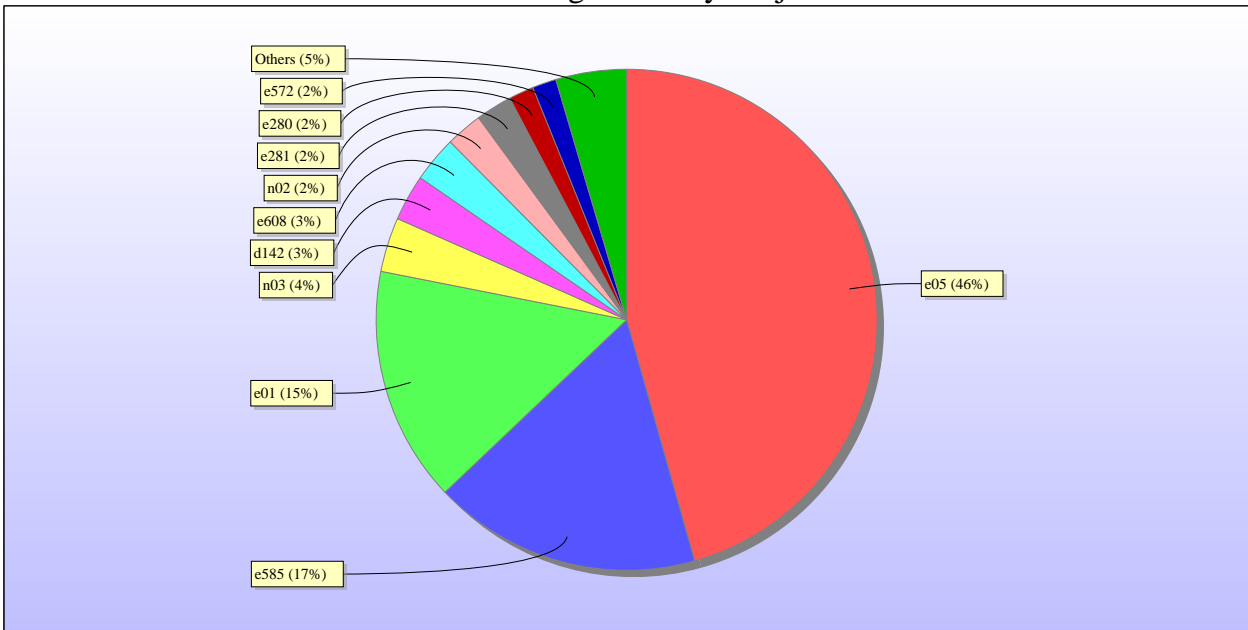
Project	Project Class	Number of Jobs	Charged kAUs	Charged Utilisation	Used kAUs	Utilisation	Allocated kAUs	Allocation
e305	Consortia	398	14,971.2	1.17%	14,971.5	1.17%	39,292.9	3.08%
e585	Consortia	663	35,418.3	2.78%	51,916.8	4.07%	28,688.5	2.25%
e348	Direct Access: ARCHER RAP	505	2,618.5	0.21%	2,618.5	0.21%	6,603.2	0.52%
e590	Direct Access: ARCHER RAP	0	0.0	0.00%	0.0	0.00%	3,921.6	0.31%
e614	Direct Access: ARCHER RAP	386	1,352.4	0.11%	1,352.4	0.11%	4,410.9	0.35%
e616	Direct Access: ARCHER RAP	71	3,991.4	0.31%	3,991.4	0.31%	1,096.9	0.09%
e618	Direct Access: ARCHER RAP	0	0.0	0.00%	0.0	0.00%	2,272.4	0.18%
e619	Direct Access: ARCHER RAP	2	0.5	0.00%	0.5	0.00%	916.1	0.07%
e620	Direct Access: ARCHER RAP	4	786.8	0.06%	787.1	0.06%	4,209.2	0.33%
e622	Direct Access: ARCHER RAP	7	87.0	0.01%	87.0	0.01%	3,272.3	0.26%
e638	Direct Access: ARCHER RAP	17	75.5	0.01%	75.5	0.01%	1,385.6	0.11%
e639	Direct Access: ARCHER RAP	0	0.0	0.00%	0.0	0.00%	921.1	0.07%
e640	Direct Access: ARCHER RAP	0	0.0	0.00%	0.0	0.00%	8,745.4	0.69%
e641	Direct Access: ARCHER RAP	163	3,426.7	0.27%	3,426.7	0.27%	4,947.8	0.39%
e582	Instant Access	60	133.6	0.01%	133.6	0.01%	1,074.9	0.08%
e632	Instant Access	0	0.0	0.00%	0.0	0.00%	122.0	0.01%
e636	Instant Access	0	0.0	0.00%	0.0	0.00%	194.6	0.02%
e646	Instant Access	123	626.3	0.05%	626.3	0.05%	195.7	0.02%
e652	Instant Access	0	0.0	0.00%	0.0	0.00%	72.5	0.01%
ecse1321	eCSE	0	0.0	0.00%	0.0	0.00%	27.6	0.00%
e604	Training	69	169.0	0.01%	192.1	0.02%	1,847.9	0.14%
e612	Training	122	337.8	0.03%	344.4	0.03%	1,855.8	0.15%
e631	Training	170	424.9	0.03%	1,774.3	0.14%	1,965.1	0.15%
e644	Training	471	1,440.6	0.11%	1,835.4	0.14%	1,844.1	0.14%
y16	Service	0	0.0	0.00%	0.0	0.00%	137.0	0.01%
z17	Service	0	0.0	0.00%	0.0	0.00%	3,260.1	0.26%
EPSRC Total		61,750	656,555.9	51.48%	742,718.7	58.24%	772,772.7	60.60%
n01	Consortia	4,017	53,562.5	4.20%	52,755.6	4.14%	124,098.4	9.73%
n02	Consortia	23,726	124,813.7	9.79%	125,104.2	9.81%	168,852.5	13.24%
n03	Consortia	2,055	51,130.1	4.01%	54,482.9	4.27%	81,967.2	6.43%
NERC Total		29,798	229,506.3	18.00%	232,342.7	18.22%	374,918.0	29.40%
e621	Leadership Awards	450	2,517.9	0.20%	2,517.9	0.20%	3,830.7	0.30%
e568	Research	155	1,014.0	0.08%	1,014.0	0.08%	3,745.9	0.29%
BBSRC Total		605	3,531.9	0.28%	3,531.9	0.28%	7,576.5	0.59%
pr1u0002	Class1a	0	0.0	0.00%	0.0	0.00%	164.4	0.01%
pr1u0001	DECI: EXEC	0	0.0	0.00%	0.0	0.00%	0.4	0.00%
pr1u1551	DECI: EXEC	37	7,534.8	0.59%	7,534.8	0.59%	6,181.3	0.48%
pr1u1552	DECI: EXEC	138	2,662.2	0.21%	2,695.5	0.21%	3,726.7	0.29%
pr1u1553	DECI: EXEC	0	0.0	0.00%	0.0	0.00%	9,689.4	0.76%
pr1u1554	DECI: EXEC	283	394.9	0.03%	394.9	0.03%	739.1	0.06%
pr1u1501	DECI: HOME	0	0.0	0.00%	0.0	0.00%	0.1	0.00%
pr1u1502	DECI: HOME	0	0.0	0.00%	0.0	0.00%	0.1	0.00%
pr1u1503	DECI: HOME	0	0.0	0.00%	0.0	0.00%	530.5	0.04%
pr1u1504	DECI: HOME	0	0.0	0.00%	0.0	0.00%	0.1	0.00%
pr1u1505	DECI: HOME	0	0.0	0.00%	0.0	0.00%	0.1	0.00%
pr1u1506	DECI: HOME	19	1,243.6	0.10%	1,243.6	0.10%	1,572.3	0.12%
pr1u1507	DECI: HOME	0	0.0	0.00%	0.0	0.00%	0.1	0.00%
PRACE Total		477	11,835.5	0.93%	11,868.8	0.93%	22,604.5	1.77%
ecse0910	eCSE	126	12.4	0.00%	12.4	0.00%	49.4	0.00%
ecse1303	eCSE	0	0.0	0.00%	0.0	0.00%	46.3	0.00%
ecse1307	eCSE	8	3.7	0.00%	3.7	0.00%	46.3	0.00%

Project	Project Class	Number of Jobs	Charged kAUs	Charged Utilisation	Used kAUs	Utilisation	Allocated kAUs	Allocation
ecse1320	eCSE	29	225.6	0.02%	225.6	0.02%	43.6	0.00%
eCSE Total		163	241.6	0.02%	241.6	0.02%	185.5	0.01%
d43	ECDF	6	165.8	0.01%	165.8	0.01%	821.9	0.06%
d56	Research	770	11,414.0	0.90%	11,414.0	0.90%	6,520.3	0.51%
d67	Research	0	0.0	0.00%	0.0	0.00%	164.4	0.01%
d88	Research	28	0.0	0.00%	0.0	0.00%	46.0	0.00%
d114	Research	1,085	15,811.8	1.24%	16,300.8	1.28%	10,949.2	0.86%
d118	Research	192	57.4	0.00%	57.4	0.00%	127.4	0.01%
d137	Research	190	627.1	0.05%	627.1	0.05%	2,459.0	0.19%
d142	Research	2	2,841.3	0.22%	5,682.6	0.45%	1,397.3	0.11%
d143	Research	39	980.5	0.08%	980.5	0.08%	2,459.0	0.19%
d150	Research	6	103.0	0.01%	103.0	0.01%	7,824.3	0.61%
d155	Research	128	381.3	0.03%	381.3	0.03%	2,465.8	0.19%
d166	Research	0	0.0	0.00%	0.0	0.00%	669.9	0.05%
d170	Research	0	0.0	0.00%	0.0	0.00%	2.4	0.00%
d153	Industrial	1	0.0	0.00%	0.0	0.00%	986.3	0.08%
d427	Industrial	0	0.0	0.00%	0.0	0.00%	0.2	0.00%
i01	Industrial	0	0.0	0.00%	0.0	0.00%	234.4	0.02%
i18	Industrial	42	4,264.8	0.33%	4,264.8	0.33%	6,258.3	0.49%
i21	Industrial	1,659	107,171.6	8.40%	107,118.5	8.40%	21,205.5	1.66%
i232	Industrial	0	0.0	0.00%	0.0	0.00%	0.1	0.00%
i234	Industrial	0	0.0	0.00%	0.0	0.00%	89.6	0.01%
i235	Industrial	0	0.0	0.00%	0.0	0.00%	0.1	0.00%
x08	Industrial	0	0.0	0.00%	0.0	0.00%	9.9	0.00%
d74	Training	0	0.0	0.00%	0.0	0.00%	164.4	0.01%
d171	Training	0	0.0	0.00%	0.0	0.00%	163.9	0.01%
d134	Service	0	0.0	0.00%	0.0	0.00%	8.2	0.00%
d425	Service	0	0.0	0.00%	0.0	0.00%	17.3	0.00%
z99	Service	23	0.2	0.00%	0.2	0.00%	8.2	0.00%
d169	UoE Access	0	0.0	0.00%	0.0	0.00%	0.1	0.00%
DirectorsTime Total		4,171	143,818.6	11.28%	147,095.8	11.53%	65,053.2	5.10%
y14	Training	53	108.0	0.01%	72.0	0.01%	739.7	0.06%
y01	Service	0	0.0	0.00%	0.0	0.00%	8.2	0.00%
y02	Service	1	0.0	0.00%	0.0	0.00%	82.2	0.01%
y07	Service	75	0.4	0.00%	0.4	0.00%	82.0	0.01%
y21	Service	6	0.1	0.00%	0.1	0.00%	411.0	0.03%
z02	Service	0	0.0	0.00%	0.0	0.00%	4.1	0.00%
z19	Service	63	3.8	0.00%	4.0	0.00%	3,623.2	0.28%
CSE Total		198	112.3	0.01%	76.5	0.01%	4,950.4	0.39%
csc02	Research	17	3,534.4	0.28%	3,534.4	0.28%	0.0	0.00%
CSC Total		17	3,534.4	0.28%	3,534.4	0.28%	0.0	0.00%
w20	Service	0	0.0	0.00%	0.0	0.00%	294.1	0.02%
Internal Total		0	0.0	0.00%	0.0	0.00%	294.1	0.02%
Total		97,179	1,049,136.4	82.27%	1,141,410.3	89.50%	1,248,354.9	97.89%

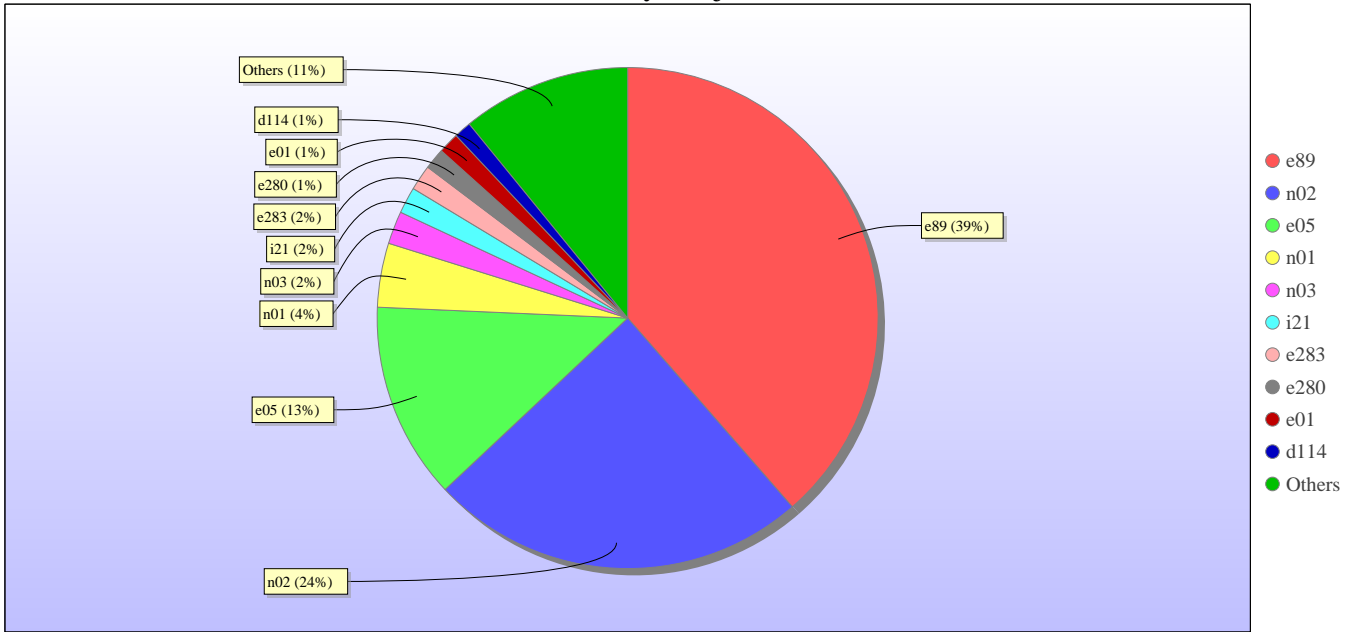
Use by Project



Uncharged Use by Project



Jobs by Project



kAUs (by Size)

Size	kAUs	Number of Jobs
17-32	13,769.706	25,762
33-64	15,073.131	3,593
65-128	65,893.195	42,399
129-256	147,939.275	13,438
257-512	153,776.267	5,918
513-1024	189,484.535	3,205
1025-2048	138,255.268	1,674
2049-4096	82,862.669	403
4097-8192	172,811.552	604
8193-16384	38,400.724	119
16385-32768	15,512.575	28
32769-65536	1,920.404	9
65537-131072	3,990.995	15