

Monthly Reporting

Report from 01 December 2019 to 31 December 2019

Report for Resource Pool XC on ARCHER

A total of 1,317,772.797 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.

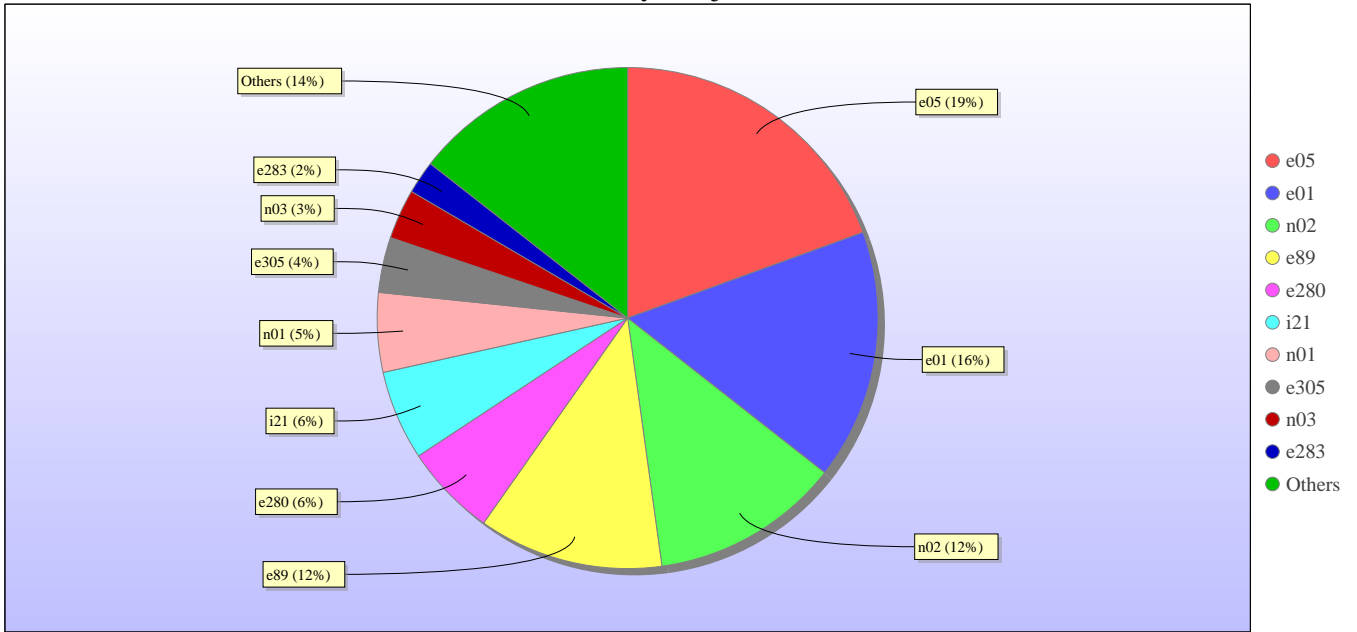
The (Allocation) column is the time allocated to the project, scaled according to the reporting period and shown as a fraction of the available resources. If this report period is a sub-period of the Allocation period then the SAFE calculates the Allocation for this sub-period based on a linear spend 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	809	1,854.2	0.14%	2,183.4	0.17%	1,694.4	0.13%
c01	Class1a	398	15,567.2	1.18%	15,567.2	1.18%	13,297.8	1.01%
e403	Class1a	0	0.0	0.00%	0.0	0.00%	8,622.5	0.65%
e432	Class1a	17	306.3	0.02%	306.3	0.02%	2,969.4	0.23%
e448	Class1a	211	11,818.6	0.90%	11,818.6	0.90%	22,212.8	1.69%
e451	Class1a	17	113.1	0.01%	113.1	0.01%	3,786.5	0.29%
e517	Class1a	0	0.0	0.00%	0.0	0.00%	0.0	0.00%
e519	Class1a	0	0.0	0.00%	0.0	0.00%	8,639.3	0.66%
e527	Class1a	0	0.0	0.00%	0.0	0.00%	1,852.8	0.14%
e530	Class1a	21	1,419.7	0.11%	1,419.7	0.11%	1,129.9	0.09%
e537	Class1a	299	1,310.0	0.10%	1,310.0	0.10%	1,898.0	0.14%
e558	Class1a	0	0.0	0.00%	0.0	0.00%	539.6	0.04%
e569	Class1a	0	0.0	0.00%	0.0	0.00%	1,977.4	0.15%
e571	Class1a	0	0.0	0.00%	0.0	0.00%	84.1	0.01%
e572	Class1a	154	1,051.4	0.08%	1,766.3	0.13%	3,492.0	0.26%
e575	Class1a	11	43.7	0.00%	43.7	0.00%	2,894.9	0.22%
e580	Class1a	0	0.0	0.00%	0.0	0.00%	823.0	0.06%
e584	Class1a	18	4,058.9	0.31%	4,058.9	0.31%	2,769.6	0.21%
e588	Class1a	0	0.0	0.00%	0.0	0.00%	3,049.9	0.23%
e606	Class1a	430	14,364.1	1.09%	14,364.1	1.09%	4,755.9	0.36%
e607	Class1a	123	5,446.4	0.41%	5,446.6	0.41%	11,857.9	0.90%
e608	Class1a	56	1,579.6	0.12%	2,935.4	0.22%	3,388.7	0.26%
e609	Class1a	747	4,665.3	0.35%	4,811.3	0.37%	8,639.3	0.66%
e610	Class1a	13	14,088.3	1.07%	14,088.9	1.07%	7,579.8	0.58%
e611	Class1a	4	24.6	0.00%	24.6	0.00%	479.9	0.04%
e613	Class1a	6	427.7	0.03%	427.7	0.03%	852.4	0.06%
e627	Class1a	67	1,001.7	0.08%	1,001.7	0.08%	7,493.7	0.57%
e630	Class1a	97	3,695.3	0.28%	3,695.3	0.28%	4,650.0	0.35%
e637	Class1a	33	243.5	0.02%	243.5	0.02%	2,432.2	0.18%
e642	Class1a	4	138.6	0.01%	139.1	0.01%	2,021.3	0.15%
e643	Class1a	0	0.0	0.00%	0.0	0.00%	5,053.2	0.38%
e645	Class1a	54	770.2	0.06%	770.2	0.06%	4,078.6	0.31%
e647	Class1a	75	49.5	0.00%	49.5	0.00%	8,288.8	0.63%
e649	Class1a	0	0.0	0.00%	0.0	0.00%	2,541.0	0.19%
e651	Class1a	146	2,051.8	0.16%	2,051.8	0.16%	2,037.5	0.15%
e01	Consortia	6,237	175,908.5	13.35%	200,620.2	15.22%	78,404.7	5.95%
e05	Consortia	10,610	193,734.6	14.70%	241,539.6	18.33%	225,508.5	17.11%
e89	Consortia	14,151	145,863.6	11.07%	148,328.6	11.26%	120,571.3	9.15%
e280	Consortia	1,931	67,097.4	5.09%	74,214.4	5.63%	54,513.0	4.14%
e281	Consortia	227	3,386.6	0.26%	3,999.1	0.30%	21,456.4	1.63%
e283	Consortia	732	26,196.2	1.99%	26,542.7	2.01%	18,926.0	1.44%

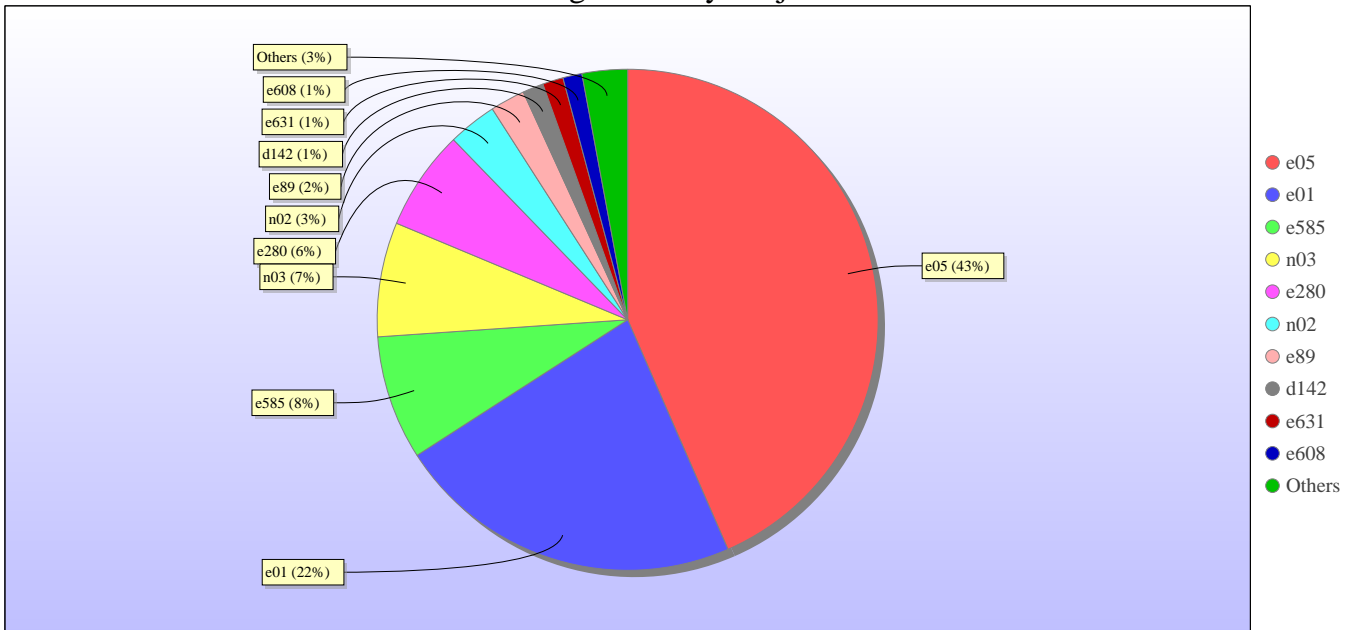
Project	Project Class	Number of Jobs	Charged kAUs	Charged Utilisation	Used kAUs	Utilisation	Allocated kAUs	Allocation
e305	Consortia	1,048	44,168.8	3.35%	44,352.9	3.37%	40,602.7	3.08%
e585	Consortia	344	10,899.2	0.83%	19,719.7	1.50%	29,644.8	2.25%
e348	Direct Access: ARCHER RAP	259	4,728.3	0.36%	4,728.3	0.36%	6,823.3	0.52%
e590	Direct Access: ARCHER RAP	0	0.0	0.00%	0.0	0.00%	4,052.3	0.31%
e614	Direct Access: ARCHER RAP	391	14,778.0	1.12%	14,778.0	1.12%	4,557.9	0.35%
e616	Direct Access: ARCHER RAP	2	0.0	0.00%	0.0	0.00%	1,133.4	0.09%
e618	Direct Access: ARCHER RAP	0	0.0	0.00%	0.0	0.00%	1,363.5	0.10%
e619	Direct Access: ARCHER RAP	7	186.6	0.01%	186.6	0.01%	946.6	0.07%
e620	Direct Access: ARCHER RAP	4	0.0	0.00%	0.4	0.00%	4,349.5	0.33%
e622	Direct Access: ARCHER RAP	0	0.0	0.00%	0.0	0.00%	3,381.4	0.26%
e638	Direct Access: ARCHER RAP	27	217.5	0.02%	217.5	0.02%	1,431.7	0.11%
e639	Direct Access: ARCHER RAP	84	0.7	0.00%	0.7	0.00%	951.8	0.07%
e640	Direct Access: ARCHER RAP	0	0.0	0.00%	0.0	0.00%	9,036.9	0.69%
e641	Direct Access: ARCHER RAP	61	1,283.1	0.10%	1,283.1	0.10%	5,112.7	0.39%
e582	Instant Access	42	299.7	0.02%	299.7	0.02%	1,110.8	0.08%
e632	Instant Access	0	0.0	0.00%	0.0	0.00%	126.1	0.01%
e646	Instant Access	0	0.0	0.00%	0.0	0.00%	202.2	0.02%
e652	Instant Access	0	0.0	0.00%	0.0	0.00%	204.4	0.02%
ecse1321	eCSE	6	0.0	0.00%	0.0	0.00%	28.5	0.00%
e604	Training	0	0.0	0.00%	0.0	0.00%	1,909.5	0.14%
e612	Training	38	73.6	0.01%	99.5	0.01%	1,917.7	0.15%
e631	Training	41	46.9	0.00%	1,516.4	0.12%	2,030.6	0.15%
e644	Training	330	924.4	0.07%	952.1	0.07%	1,905.6	0.14%
y16	Service	0	0.0	0.00%	0.0	0.00%	141.6	0.01%
z17	Service	0	0.0	0.00%	0.0	0.00%	3,368.8	0.26%
EPSRC Total		40,382	775,883.5	58.88%	872,016.2	66.17%	803,598.3	60.98%
n01	Consortia	4,608	67,038.0	5.09%	63,665.1	4.83%	128,235.0	9.73%
n02	Consortia	12,517	152,705.0	11.59%	151,884.5	11.53%	174,480.9	13.24%
n03	Consortia	1,189	31,924.2	2.42%	40,050.5	3.04%	84,699.5	6.43%
NERC Total		18,314	251,667.2	19.10%	255,600.1	19.40%	387,415.3	29.40%
e621	Leadership Awards	45	4,191.2	0.32%	4,191.2	0.32%	3,958.3	0.30%
e568	Research	24	839.7	0.06%	839.7	0.06%	3,872.3	0.29%
BBSRC Total		69	5,030.9	0.38%	5,030.9	0.38%	7,830.6	0.59%
pr1u0002	Class1a	0	0.0	0.00%	0.0	0.00%	169.9	0.01%
pr1u0001	DECI: EXEC	0	0.0	0.00%	0.0	0.00%	0.4	0.00%
pr1u1551	DECI: EXEC	0	0.0	0.00%	0.0	0.00%	6,387.3	0.48%
pr1u1552	DECI: EXEC	98	2,891.4	0.22%	2,891.4	0.22%	3,851.0	0.29%
pr1u1553	DECI: EXEC	11	0.7	0.00%	0.7	0.00%	10,012.4	0.76%
pr1u1554	DECI: EXEC	177	189.1	0.01%	212.7	0.02%	763.8	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%	548.2	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	78	2,121.0	0.16%	2,121.0	0.16%	1,624.7	0.12%
pr1u1507	DECI: HOME	0	0.0	0.00%	0.0	0.00%	0.1	0.00%
PRACE Total		364	5,202.1	0.39%	5,225.7	0.40%	23,358.0	1.77%
ecse0910	eCSE	80	57.9	0.00%	57.9	0.00%	51.0	0.00%
ecse1303	eCSE	0	0.0	0.00%	0.0	0.00%	47.8	0.00%
ecse1307	eCSE	0	0.0	0.00%	0.0	0.00%	47.8	0.00%
ecse1320	eCSE	12	0.0	0.00%	0.0	0.00%	43.6	0.00%

Project	Project Class	Number of Jobs	Charged kAUs	Charged Utilisation	Used kAUs	Utilisation	Allocated kAUs	Allocation
eCSE Total		92	57.9	0.00%	57.9	0.00%	190.3	0.01%
d43	ECDF	16	188.2	0.01%	188.2	0.01%	849.3	0.06%
d56	Research	1,107	13,486.7	1.02%	13,486.7	1.02%	6,737.6	0.51%
d67	Research	0	0.0	0.00%	0.0	0.00%	169.9	0.01%
d88	Research	7	0.0	0.00%	0.0	0.00%	47.5	0.00%
d114	Research	993	8,073.1	0.61%	8,179.4	0.62%	11,314.2	0.86%
d118	Research	68	15.0	0.00%	17.6	0.00%	131.6	0.01%
d137	Research	355	1,874.6	0.14%	1,874.6	0.14%	2,541.0	0.19%
d142	Research	1	1,481.7	0.11%	2,963.4	0.22%	1,443.8	0.11%
d143	Research	27	630.6	0.05%	630.6	0.05%	2,541.0	0.19%
d150	Research	145	1,507.6	0.11%	1,507.6	0.11%	8,085.1	0.61%
d155	Research	189	774.3	0.06%	774.3	0.06%	2,547.9	0.19%
d166	Research	0	0.0	0.00%	0.0	0.00%	692.2	0.05%
d170	Research	0	0.0	0.00%	0.0	0.00%	2.5	0.00%
d153	Industrial	135	153.2	0.01%	153.3	0.01%	1,019.2	0.08%
d427	Industrial	0	0.0	0.00%	0.0	0.00%	0.1	0.00%
i01	Industrial	0	0.0	0.00%	0.0	0.00%	242.2	0.02%
i18	Industrial	29	2,752.1	0.21%	2,752.1	0.21%	6,466.9	0.49%
i21	Industrial	7,360	102,291.5	7.76%	71,950.1	5.46%	21,912.3	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%	92.5	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%	10.2	0.00%
d74	Training	0	0.0	0.00%	0.0	0.00%	169.9	0.01%
d171	Training	0	0.0	0.00%	0.0	0.00%	169.4	0.01%
d134	Service	0	0.0	0.00%	0.0	0.00%	8.5	0.00%
d425	Service	0	0.0	0.00%	0.0	0.00%	17.9	0.00%
z99	Service	25	0.4	0.00%	0.4	0.00%	8.5	0.00%
d169	UoE Access	0	0.0	0.00%	0.0	0.00%	0.1	0.00%
DirectorsTime Total		10,457	133,229.1	10.11%	104,478.4	7.93%	67,221.6	5.10%
y14	Training	115	30.2	0.00%	20.2	0.00%	764.4	0.06%
y01	Service	0	0.0	0.00%	0.0	0.00%	8.5	0.00%
y02	Service	0	0.0	0.00%	0.0	0.00%	84.9	0.01%
y07	Service	38	0.0	0.00%	1.7	0.00%	84.7	0.01%
y21	Service	0	0.0	0.00%	0.0	0.00%	424.7	0.03%
z02	Service	0	0.0	0.00%	0.0	0.00%	4.2	0.00%
z19	Service	84	0.0	0.00%	0.2	0.00%	4,246.6	0.32%
CSE Total		237	30.3	0.00%	22.0	0.00%	5,618.0	0.43%
w20	Service	0	0.0	0.00%	0.0	0.00%	303.9	0.02%
Internal Total		0	0.0	0.00%	0.0	0.00%	303.9	0.02%
Total		69,915	1,171,100.9	88.87%	1,242,431.2	94.28%	1,295,535.9	98.31%

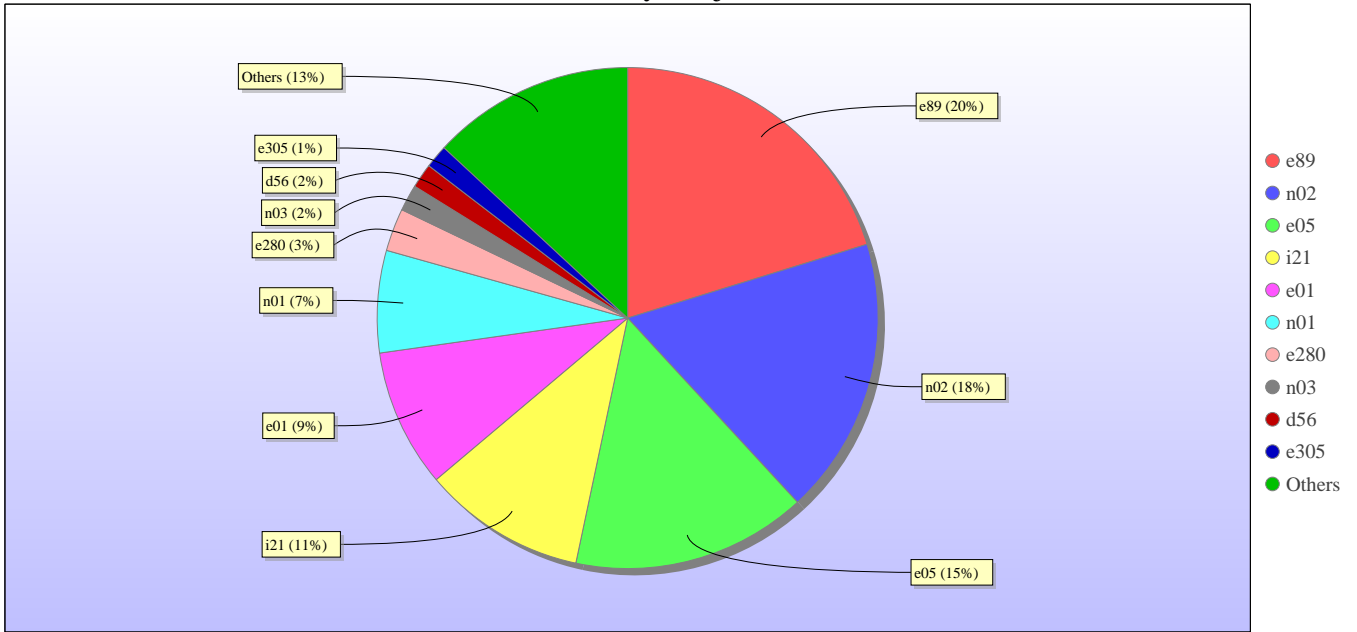
Use by Project



Uncharged Use by Project



Jobs by Project



kAUs (by Size)

Size	kAUs	Number of Jobs
17-32	18,051.545	26,645
33-64	15,046.097	3,456
65-128	70,974.589	15,820
129-256	156,801.722	8,702
257-512	206,883.118	9,494
513-1024	130,384.694	2,856
1025-2048	190,184.495	1,584
2049-4096	130,920.833	919
4097-8192	46,308.226	229
8193-16384	49,305.189	127
16385-32768	27,471.612	50
32769-65536	3,075.384	12
65537-131072	9,546.194	4