

# Monthly Reporting

## Report from 01 April 2017 to 30 June 2017

### Report for Resource Pool XC on ARCHER

A total of 3,868,300.79 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 |
|---------|-------------------|----------------|--------------|---------------------|-----------|-------------|----------------|------------|
| e01     | Consortia         | 3,227          | 236,854.8    | 6.12%               | 255,564.2 | 6.61%       | 222,349.0      | 5.75%      |
| e05     | Consortia         | 36,065         | 530,060.5    | 13.70%              | 531,416.5 | 13.74%      | 644,037.1      | 16.65%     |
| e89     | Consortia         | 26,017         | 342,565.2    | 8.86%               | 342,599.8 | 8.86%       | 347,919.9      | 8.99%      |
| e280    | Consortia         | 3,584          | 118,995.8    | 3.08%               | 118,999.4 | 3.08%       | 115,212.8      | 2.98%      |
| e281    | Consortia         | 2,200          | 62,897.6     | 1.63%               | 62,907.5  | 1.63%       | 63,321.5       | 1.64%      |
| e283    | Consortia         | 3,604          | 80,172.6     | 2.07%               | 80,172.6  | 2.07%       | 50,442.6       | 1.30%      |
| e305    | Consortia         | 2,039          | 57,422.4     | 1.48%               | 57,481.6  | 1.49%       | 64,990.0       | 1.68%      |
| e529    | Consortia         | 421            | 31,438.8     | 0.81%               | 31,439.1  | 0.81%       | 40,072.3       | 1.04%      |
| e410    | Leadership Awards | 233            | 34,760.0     | 0.90%               | 34,760.0  | 0.90%       | 8,289.2        | 0.21%      |
| e411    | Leadership Awards | 713            | 15,129.8     | 0.39%               | 15,129.8  | 0.39%       | 12,928.3       | 0.33%      |
| e412    | Leadership Awards | 0              | 0.0          | 0.00%               | 0.0       | 0.00%       | 8,392.6        | 0.22%      |
| e426    | Leadership Awards | 0              | 0.0          | 0.00%               | 0.0       | 0.00%       | 35,201.5       | 0.91%      |
| e453    | Leadership Awards | 1,042          | 48,741.3     | 1.26%               | 48,744.5  | 1.26%       | 15,911.1       | 0.41%      |
| e460    | Leadership Awards | 113            | 10,416.2     | 0.27%               | 10,416.2  | 0.27%       | 14,637.2       | 0.38%      |
| e461    | Leadership Awards | 851            | 28,368.2     | 0.73%               | 34,891.8  | 0.90%       | 25,143.9       | 0.65%      |
| e462    | Leadership Awards | 1,074          | 28,746.0     | 0.74%               | 30,383.3  | 0.79%       | 21,489.4       | 0.56%      |
| e464    | Leadership Awards | 1,863          | 19,088.3     | 0.49%               | 19,088.3  | 0.49%       | 29,197.6       | 0.75%      |
| e465    | Leadership Awards | 203            | 49,239.5     | 1.27%               | 49,239.5  | 1.27%       | 43,393.4       | 1.12%      |
| e466    | Leadership Awards | 169            | 14,172.9     | 0.37%               | 14,173.0  | 0.37%       | 41,738.9       | 1.08%      |
| e467    | Leadership Awards | 76             | 251.9        | 0.01%               | 251.9     | 0.01%       | 27,939.2       | 0.72%      |
| e468    | Leadership Awards | 2              | 926.2        | 0.02%               | 926.2     | 0.02%       | 15,680.4       | 0.41%      |
| e469    | Leadership Awards | 519            | 83,291.4     | 2.15%               | 85,666.6  | 2.21%       | 34,799.7       | 0.90%      |
| e507    | Leadership Awards | 477            | 12,781.5     | 0.33%               | 12,781.5  | 0.33%       | 30,172.7       | 0.78%      |
| e509    | Leadership Awards | 58             | 22,983.2     | 0.59%               | 23,289.8  | 0.60%       | 53,649.6       | 1.39%      |
| e510    | Leadership Awards | 223            | 33,566.2     | 0.87%               | 33,566.2  | 0.87%       | 24,856.9       | 0.64%      |
| e526    | Leadership Awards | 63             | 6,549.9      | 0.17%               | 6,549.9   | 0.17%       | 9,806.1        | 0.25%      |

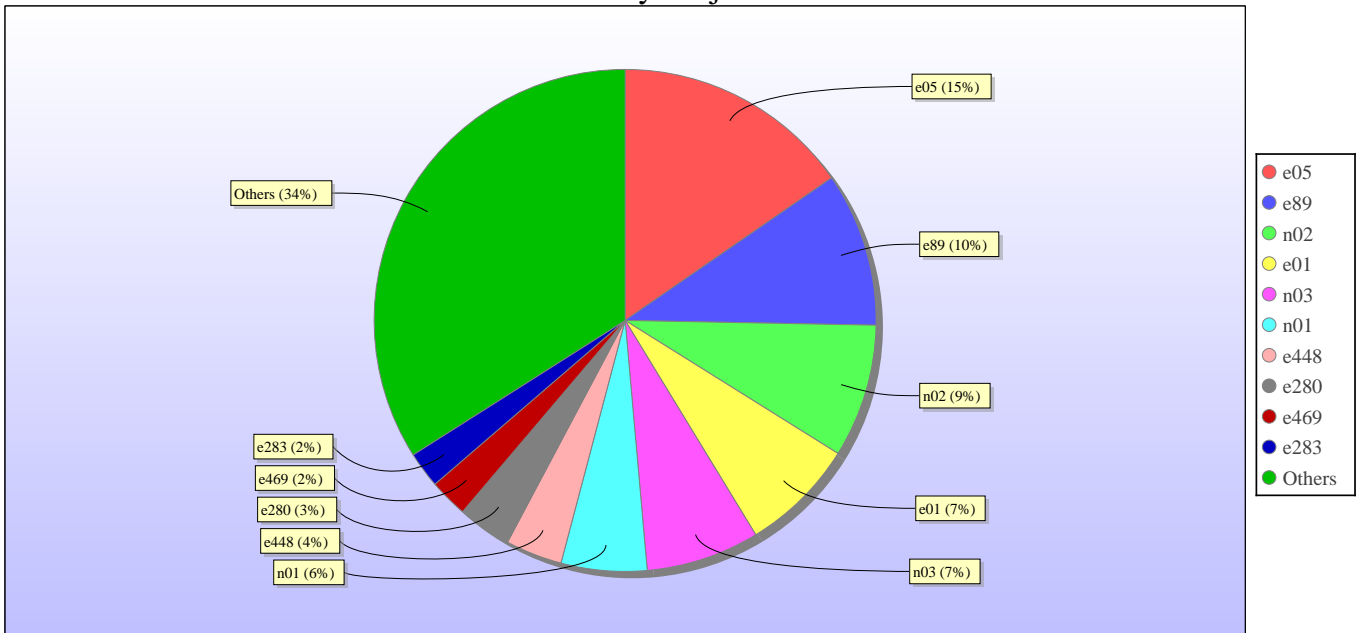
| Project | Project Class             | Number of Jobs | Charged kAUs | Charged Utilisation | Used kAUs | Utilisation | Allocated kAUs | Allocation |
|---------|---------------------------|----------------|--------------|---------------------|-----------|-------------|----------------|------------|
| e539    | Leadership Awards         | 9              | 1,553.6      | 0.04%               | 1,553.6   | 0.04%       | 8,483.6        | 0.22%      |
| n07     | Leadership Awards         | 26             | 2,204.1      | 0.06%               | 2,204.1   | 0.06%       | 16,153.7       | 0.42%      |
| n08     | Leadership Awards         | 348            | 31,093.6     | 0.80%               | 31,454.9  | 0.81%       | 32,574.7       | 0.84%      |
| c01     | Class1a                   | 512            | 7,511.2      | 0.19%               | 7,511.5   | 0.19%       | 8,472.4        | 0.22%      |
| e229    | Class1a                   | 0              | 0.0          | 0.00%               | 0.0       | 0.00%       | 1,360.9        | 0.04%      |
| e272    | Class1a                   | 754            | 8,547.8      | 0.22%               | 8,547.8   | 0.22%       | 9,945.4        | 0.26%      |
| e291    | Class1a                   | 0              | 0.0          | 0.00%               | 0.0       | 0.00%       | 594.3          | 0.02%      |
| e300    | Class1a                   | 106            | 6,246.7      | 0.16%               | 6,255.5   | 0.16%       | 1,708.0        | 0.04%      |
| e304    | Class1a                   | 722            | 26,126.4     | 0.68%               | 26,517.8  | 0.69%       | 15,713.5       | 0.41%      |
| e332    | Class1a                   | 0              | 0.0          | 0.00%               | 0.0       | 0.00%       | 965.6          | 0.02%      |
| e341    | Class1a                   | 5              | 0.3          | 0.00%               | 0.3       | 0.00%       | 976.3          | 0.03%      |
| e358    | Class1a                   | 73             | 554.2        | 0.01%               | 554.2     | 0.01%       | 1,931.8        | 0.05%      |
| e365    | Class1a                   | 59             | 2,385.1      | 0.06%               | 2,385.1   | 0.06%       | 2,767.5        | 0.07%      |
| e375    | Class1a                   | 0              | 0.0          | 0.00%               | 0.0       | 0.00%       | 8,409.5        | 0.22%      |
| e378    | Class1a                   | 37             | 23.3         | 0.00%               | 23.3      | 0.00%       | 14,481.5       | 0.37%      |
| e403    | Class1a                   | 0              | 0.0          | 0.00%               | 0.0       | 0.00%       | 25,311.2       | 0.65%      |
| e429    | Class1a                   | 53             | 13,475.5     | 0.35%               | 13,475.5  | 0.35%       | 17,600.7       | 0.45%      |
| e431    | Class1a                   | 411            | 6,725.2      | 0.17%               | 6,725.2   | 0.17%       | 8,527.5        | 0.22%      |
| e432    | Class1a                   | 271            | 15,670.6     | 0.41%               | 16,274.2  | 0.42%       | 14,668.4       | 0.38%      |
| e446    | Class1a                   | 1,362          | 69,995.1     | 1.81%               | 69,995.1  | 1.81%       | 51,037.4       | 1.32%      |
| e448    | Class1a                   | 16,128         | 126,034.6    | 3.26%               | 126,034.6 | 3.26%       | 123,478.5      | 3.19%      |
| e451    | Class1a                   | 452            | 34,455.8     | 0.89%               | 34,455.8  | 0.89%       | 14,332.8       | 0.37%      |
| e452    | Class1a                   | 35             | 2,955.8      | 0.08%               | 2,955.8   | 0.08%       | 2,709.4        | 0.07%      |
| e475    | Class1a                   | 565            | 2,161.0      | 0.06%               | 2,161.0   | 0.06%       | 10,057.6       | 0.26%      |
| e477    | Class1a                   | 388            | 16,173.3     | 0.42%               | 16,173.3  | 0.42%       | 12,572.0       | 0.32%      |
| e480    | Class1a                   | 216            | 16,647.7     | 0.43%               | 16,647.7  | 0.43%       | 11,600.3       | 0.30%      |
| e499    | Class1a                   | 93             | 2,077.8      | 0.05%               | 2,077.8   | 0.05%       | 32,060.0       | 0.83%      |
| e513    | Class1a                   | 0              | 0.0          | 0.00%               | 0.0       | 0.00%       | 265.2          | 0.01%      |
| e514    | Class1a                   | 0              | 0.0          | 0.00%               | 0.0       | 0.00%       | 247.3          | 0.01%      |
| e515    | Class1a                   | 353            | 495.3        | 0.01%               | 495.3     | 0.01%       | 2,514.4        | 0.06%      |
| e516    | Class1a                   | 354            | 27,735.7     | 0.72%               | 27,735.7  | 0.72%       | 26,151.1       | 0.68%      |
| e518    | Class1a                   | 121            | 53.4         | 0.00%               | 53.4      | 0.00%       | 1,491.8        | 0.04%      |
| e519    | Class1a                   | 338            | 2,275.5      | 0.06%               | 2,275.5   | 0.06%       | 24,863.4       | 0.64%      |
| e520    | Class1a                   | 21             | 5,112.9      | 0.13%               | 5,112.9   | 0.13%       | 2,514.4        | 0.06%      |
| e523    | Class1a                   | 0              | 0.0          | 0.00%               | 0.0       | 0.00%       | 10,057.6       | 0.26%      |
| e527    | Class1a                   | 396            | 1,617.6      | 0.04%               | 1,617.6   | 0.04%       | 1,056.0        | 0.03%      |
| e530    | Class1a                   | 10             | 620.4        | 0.02%               | 620.4     | 0.02%       | 1,491.8        | 0.04%      |
| e537    | Class1a                   | 6,458          | 27,050.0     | 0.70%               | 27,052.1  | 0.70%       | 14,161.5       | 0.37%      |
| e348    | Direct Access: ARCHER RAP | 355            | 6,213.2      | 0.16%               | 6,213.2   | 0.16%       | 4,986.3        | 0.13%      |
| e402    | Direct Access: ARCHER RAP | 0              | 0.0          | 0.00%               | 0.0       | 0.00%       | 218.3          | 0.01%      |
| e483    | Direct Access: ARCHER RAP | 729            | 3,292.0      | 0.09%               | 3,299.9   | 0.09%       | 5,160.5        | 0.13%      |
| e484    | Direct Access: ARCHER RAP | 4              | 257.9        | 0.01%               | 257.9     | 0.01%       | 204.5          | 0.01%      |
| e485    | Direct Access: ARCHER RAP | 8              | 960.1        | 0.02%               | 960.1     | 0.02%       | 938.5          | 0.02%      |
| e489    | Direct Access: ARCHER RAP | 11             | 0.3          | 0.00%               | 0.3       | 0.00%       | 401.1          | 0.01%      |
| e491    | Direct Access: ARCHER RAP | 161            | 3,061.4      | 0.08%               | 3,061.4   | 0.08%       | 2,986.9        | 0.08%      |
| e492    | Direct Access: ARCHER RAP | 1,694          | 20,931.8     | 0.54%               | 20,795.9  | 0.54%       | 12,122.1       | 0.31%      |
| e494    | Direct Access: ARCHER RAP | 0              | 0.0          | 0.00%               | 0.0       | 0.00%       | 2,154.1        | 0.06%      |
| e498    | Direct Access: ARCHER RAP | 757            | 9,266.6      | 0.24%               | 9,266.6   | 0.24%       | 3,260.2        | 0.08%      |
| e500    | Direct Access: ARCHER RAP | 120            | 2,950.2      | 0.08%               | 2,950.2   | 0.08%       | 6,593.4        | 0.17%      |

| Project            | Project Class             | Number of Jobs | Charged kAUs       | Charged Utilisation | Used kAUs          | Utilisation   | Allocated kAUs     | Allocation    |
|--------------------|---------------------------|----------------|--------------------|---------------------|--------------------|---------------|--------------------|---------------|
| e501               | Direct Access: ARCHER RAP | 89             | 15,500.6           | 0.40%               | 15,500.6           | 0.40%         | 11,128.9           | 0.29%         |
| e504               | Direct Access: ARCHER RAP | 52             | 2,033.8            | 0.05%               | 2,033.8            | 0.05%         | 2,952.5            | 0.08%         |
| e505               | Direct Access: ARCHER RAP | 0              | 0.0                | 0.00%               | 0.0                | 0.00%         | 1,407.0            | 0.04%         |
| e511               | Direct Access: ARCHER RAP | 12             | 1.6                | 0.00%               | 1.6                | 0.00%         | 5,013.7            | 0.13%         |
| e486               | Instant Access            | 0              | 0.0                | 0.00%               | 0.0                | 0.00%         | 200.5              | 0.01%         |
| e487               | Instant Access            | 0              | 0.0                | 0.00%               | 0.0                | 0.00%         | 165.8              | 0.00%         |
| e512               | Instant Access            | 232            | 81.4               | 0.00%               | 81.5               | 0.00%         | 402.3              | 0.01%         |
| e522               | Instant Access            | 84             | 1,139.3            | 0.03%               | 1,139.3            | 0.03%         | 603.5              | 0.02%         |
| e525               | Instant Access            | 128            | 858.9              | 0.02%               | 858.9              | 0.02%         | 595.8              | 0.02%         |
| e528               | Instant Access            | 0              | 0.0                | 0.00%               | 0.0                | 0.00%         | 603.5              | 0.02%         |
| e531               | Instant Access            | 13             | 362.7              | 0.01%               | 362.7              | 0.01%         | 593.6              | 0.02%         |
| e532               | Instant Access            | 60             | 224.1              | 0.01%               | 224.1              | 0.01%         | 572.9              | 0.01%         |
| e533               | Instant Access            | 260            | 152.6              | 0.00%               | 152.6              | 0.00%         | 596.7              | 0.02%         |
| e534               | Instant Access            | 0              | 0.0                | 0.00%               | 0.0                | 0.00%         | 537.7              | 0.01%         |
| e535               | Instant Access            | 0              | 0.0                | 0.00%               | 0.0                | 0.00%         | 537.7              | 0.01%         |
| e536               | Instant Access            | 114            | 1,018.0            | 0.03%               | 1,018.0            | 0.03%         | 397.7              | 0.01%         |
| e524               | Research                  | 39             | 62,935.5           | 1.63%               | 62,935.5           | 1.63%         | 38,356.0           | 0.99%         |
| e476               | Training                  | 158            | 216.1              | 0.01%               | 216.1              | 0.01%         | 3,333.6            | 0.09%         |
| e495               | Training                  | 425            | 563.4              | 0.01%               | 563.4              | 0.01%         | 6,713.1            | 0.17%         |
| e508               | Training                  | 637            | 2,796.3            | 0.07%               | 2,796.3            | 0.07%         | 6,053.7            | 0.16%         |
| e521               | Training                  | 927            | 9,716.4            | 0.25%               | 9,716.4            | 0.25%         | 5,179.0            | 0.13%         |
| e538               | Training                  | 692            | 3,771.7            | 0.10%               | 3,771.7            | 0.10%         | 5,700.0            | 0.15%         |
| <b>EPSRC Total</b> |                           | <b>123,273</b> | <b>2,475,305.6</b> | <b>63.99%</b>       | <b>2,507,564.1</b> | <b>64.82%</b> | <b>2,665,553.1</b> | <b>68.91%</b> |
| n01                | Consortia                 | 11,390         | 192,075.2          | 4.97%               | 190,791.1          | 4.93%         | 149,589.0          | 3.87%         |
| n02                | Consortia                 | 39,403         | 303,863.2          | 7.86%               | 296,689.7          | 7.67%         | 473,698.6          | 12.25%        |
| n03                | Consortia                 | 8,952          | 251,818.1          | 6.51%               | 252,375.1          | 6.52%         | 192,720.5          | 4.98%         |
| <b>NERC Total</b>  |                           | <b>59,745</b>  | <b>747,756.6</b>   | <b>19.33%</b>       | <b>739,855.9</b>   | <b>19.13%</b> | <b>816,008.2</b>   | <b>21.09%</b> |
| b16                | Class1a                   | 33             | 1,276.4            | 0.03%               | 1,276.4            | 0.03%         | 293.9              | 0.01%         |
| b18                | Research                  | 1              | 331.5              | 0.01%               | 331.5              | 0.01%         | 0.0                | 0.00%         |
| <b>BBSRC Total</b> |                           | <b>34</b>      | <b>1,607.8</b>     | <b>0.04%</b>        | <b>1,607.8</b>     | <b>0.04%</b>  | <b>293.9</b>       | <b>0.01%</b>  |
| pr1u1351           | DECI: EXEC                | 0              | 0.0                | 0.00%               | 0.0                | 0.00%         | 5,212.8            | 0.13%         |
| pr1u1352           | DECI: EXEC                | 97             | 36.8               | 0.00%               | 36.8               | 0.00%         | 550.3              | 0.01%         |
| pr1u1353           | DECI: EXEC                | 6              | 4,763.2            | 0.12%               | 4,763.2            | 0.12%         | 9,357.2            | 0.24%         |
| pr1u1354           | DECI: EXEC                | 21             | 4,362.7            | 0.11%               | 4,362.7            | 0.11%         | 4,403.4            | 0.11%         |
| pr1u1355           | DECI: EXEC                | 7              | 22.4               | 0.00%               | 22.4               | 0.00%         | 3,853.0            | 0.10%         |
| pr1u1356           | DECI: EXEC                | 562            | 2,524.6            | 0.07%               | 2,524.6            | 0.07%         | 2,407.6            | 0.06%         |
| pr1u1357           | DECI: EXEC                | 0              | 0.0                | 0.00%               | 0.0                | 0.00%         | 2,824.6            | 0.07%         |
| pr1u1358           | DECI: EXEC                | 360            | 13,627.5           | 0.35%               | 13,627.5           | 0.35%         | 12,158.3           | 0.31%         |
| pr1u1359           | DECI: EXEC                | 119            | 15,207.0           | 0.39%               | 15,207.0           | 0.39%         | 5,398.5            | 0.14%         |
| pr1u1360           | DECI: EXEC                | 201            | 6,038.1            | 0.16%               | 6,038.1            | 0.16%         | 10,249.0           | 0.26%         |
| pr1u1361           | DECI: EXEC                | 100            | 4,151.8            | 0.11%               | 4,225.4            | 0.11%         | 3,650.5            | 0.09%         |
| pr1u1362           | DECI: EXEC                | 847            | 2,541.5            | 0.07%               | 2,545.1            | 0.07%         | 2,420.2            | 0.06%         |
| pr1u1363           | DECI: EXEC                | 0              | 0.0                | 0.00%               | 0.0                | 0.00%         | 6,164.1            | 0.16%         |
| pr1u1451           | DECI: EXEC                | 17             | 415.6              | 0.01%               | 415.6              | 0.01%         | 13,130.6           | 0.34%         |
| pr1u1452           | DECI: EXEC                | 0              | 0.0                | 0.00%               | 0.0                | 0.00%         | 13,130.6           | 0.34%         |
| pr1u1453           | DECI: EXEC                | 0              | 0.0                | 0.00%               | 0.0                | 0.00%         | 32,826.8           | 0.85%         |
| pr1u1454           | DECI: EXEC                | 0              | 0.0                | 0.00%               | 0.0                | 0.00%         | 14,653.9           | 0.38%         |
| pr1u1455           | DECI: EXEC                | 2              | 0.0                | 0.00%               | 0.0                | 0.00%         | 3,734.0            | 0.10%         |
| pr1u1456           | DECI: EXEC                | 0              | 0.0                | 0.00%               | 0.0                | 0.00%         | 12,387.8           | 0.32%         |
| pr1utd01           | DECI: EXEC                | 0              | 0.0                | 0.00%               | 0.0                | 0.00%         | 138.7              | 0.00%         |
| pr1u1301           | DECI: HOME                | 0              | 0.0                | 0.00%               | 0.0                | 0.00%         | 460.2              | 0.01%         |
| pr1u1302           | DECI: HOME                | 0              | 0.0                | 0.00%               | 0.0                | 0.00%         | 0.1                | 0.00%         |
| pr1u1303           | DECI: HOME                | 0              | 0.0                | 0.00%               | 0.0                | 0.00%         | 0.1                | 0.00%         |
| pr1u1304           | DECI: HOME                | 402            | 1,055.1            | 0.03%               | 1,055.1            | 0.03%         | 13,195.1           | 0.34%         |
| pr1u1305           | DECI: HOME                | 0              | 0.0                | 0.00%               | 0.0                | 0.00%         | 0.1                | 0.00%         |
| pr1u1306           | DECI: HOME                | 0              | 0.0                | 0.00%               | 0.0                | 0.00%         | 0.1                | 0.00%         |
| pr1u1307           | DECI: HOME                | 0              | 0.0                | 0.00%               | 0.0                | 0.00%         | 1,013.6            | 0.03%         |
| pr1u1308           | DECI: HOME                | 0              | 0.0                | 0.00%               | 0.0                | 0.00%         | 0.1                | 0.00%         |
| pr1u1309           | DECI: HOME                | 0              | 0.0                | 0.00%               | 0.0                | 0.00%         | 0.1                | 0.00%         |

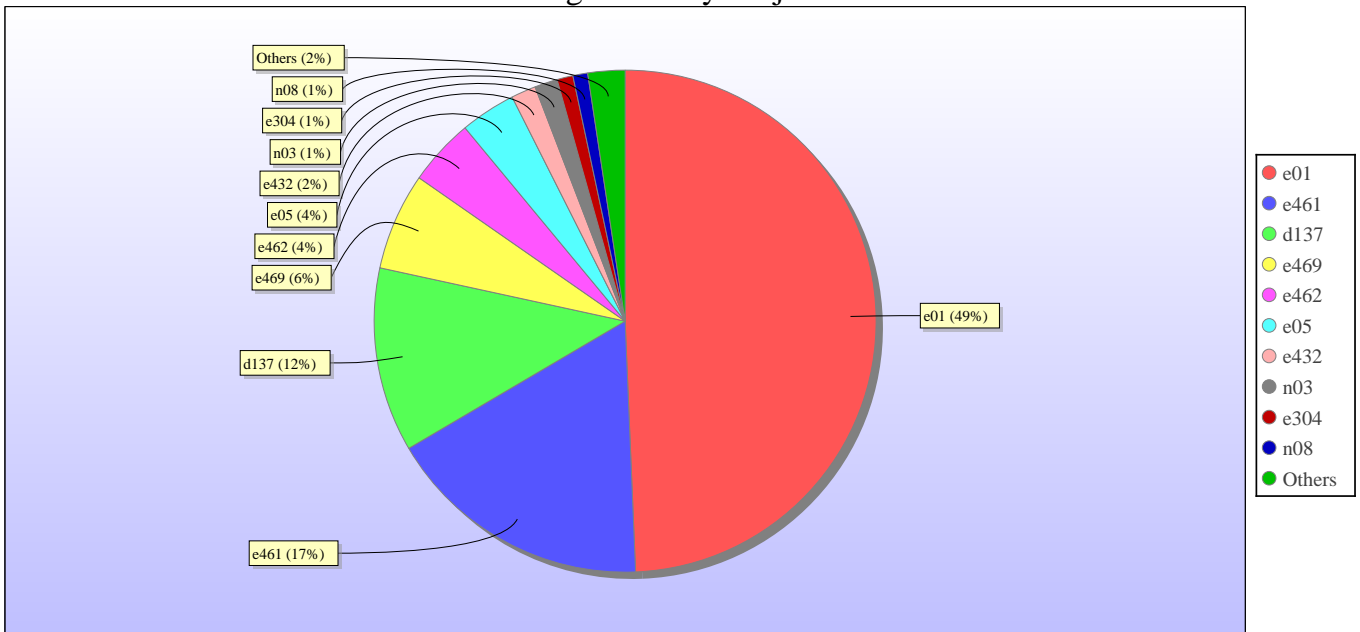
| Project            | Project Class | Number of Jobs | Charged kAUs    | Charged Utilisation | Used kAUs       | Utilisation  | Allocated kAUs   | Allocation   |
|--------------------|---------------|----------------|-----------------|---------------------|-----------------|--------------|------------------|--------------|
| pr1u1310           | DECI: HOME    | 0              | 0.0             | 0.00%               | 0.0             | 0.00%        | 2,498.0          | 0.06%        |
| pr1u1311           | DECI: HOME    | 30             | 15.8            | 0.00%               | 15.8            | 0.00%        | 3,456.1          | 0.09%        |
| pr1u1401           | DECI: HOME    | 0              | 0.0             | 0.00%               | 0.0             | 0.00%        | 0.2              | 0.00%        |
| pr1u1402           | DECI: HOME    | 238            | 4,734.1         | 0.12%               | 4,734.1         | 0.12%        | 2,350.7          | 0.06%        |
| pr1u1403           | DECI: HOME    | 0              | 0.0             | 0.00%               | 0.0             | 0.00%        | 0.2              | 0.00%        |
| pr1u1404           | DECI: HOME    | 0              | 0.0             | 0.00%               | 0.0             | 0.00%        | 0.2              | 0.00%        |
| pr1u1405           | DECI: HOME    | 0              | 0.0             | 0.00%               | 0.0             | 0.00%        | 0.2              | 0.00%        |
| pr1u1406           | DECI: HOME    | 0              | 0.0             | 0.00%               | 0.0             | 0.00%        | 0.2              | 0.00%        |
| pr1u1407           | DECI: HOME    | 0              | 0.0             | 0.00%               | 0.0             | 0.00%        | 0.2              | 0.00%        |
| pr1u1408           | DECI: HOME    | 0              | 0.0             | 0.00%               | 0.0             | 0.00%        | 0.2              | 0.00%        |
| pr1u1409           | DECI: HOME    | 0              | 0.0             | 0.00%               | 0.0             | 0.00%        | 0.2              | 0.00%        |
| pr1u1410           | DECI: HOME    | 0              | 0.0             | 0.00%               | 0.0             | 0.00%        | 0.2              | 0.00%        |
| pr1u1411           | DECI: HOME    | 0              | 0.0             | 0.00%               | 0.0             | 0.00%        | 0.2              | 0.00%        |
| <b>PRACE Total</b> |               | <b>3,009</b>   | <b>59,496.2</b> | <b>1.54%</b>        | <b>59,573.4</b> | <b>1.54%</b> | <b>181,628.0</b> | <b>4.70%</b> |
| ecse0103           | eCSE          | 0              | 0.0             | 0.00%               | 0.0             | 0.00%        | 77.9             | 0.00%        |
| ecse0706           | eCSE          | 123            | 1,607.2         | 0.04%               | 1,607.2         | 0.04%        | 409.9            | 0.01%        |
| ecse0709           | eCSE          | 48             | 489.9           | 0.01%               | 489.9           | 0.01%        | 46.5             | 0.00%        |
| ecse0712           | eCSE          | 0              | 0.0             | 0.00%               | 0.0             | 0.00%        | 206.2            | 0.01%        |
| ecse0715           | eCSE          | 0              | 0.0             | 0.00%               | 0.0             | 0.00%        | 123.3            | 0.00%        |
| ecse0716           | eCSE          | 0              | 0.0             | 0.00%               | 0.0             | 0.00%        | 150.0            | 0.00%        |
| ecse0803           | eCSE          | 17             | 1.6             | 0.00%               | 1.6             | 0.00%        | 136.2            | 0.00%        |
| ecse0804           | eCSE          | 53             | 70.5            | 0.00%               | 70.5            | 0.00%        | 112.0            | 0.00%        |
| ecse0807           | eCSE          | 214            | 448.7           | 0.01%               | 448.7           | 0.01%        | 114.5            | 0.00%        |
| ecse0809           | eCSE          | 0              | 0.0             | 0.00%               | 0.0             | 0.00%        | 53.7             | 0.00%        |
| ecse0810           | eCSE          | 0              | 0.0             | 0.00%               | 0.0             | 0.00%        | 72.2             | 0.00%        |
| ecse0814           | eCSE          | 73             | 0.1             | 0.00%               | 0.1             | 0.00%        | 133.5            | 0.00%        |
| ecse0815           | eCSE          | 0              | 0.0             | 0.00%               | 0.0             | 0.00%        | 120.5            | 0.00%        |
| ecse0820           | eCSE          | 15             | 0.7             | 0.00%               | 0.7             | 0.00%        | 35.0             | 0.00%        |
| ecse0904           | eCSE          | 42             | 0.7             | 0.00%               | 0.7             | 0.00%        | 98.9             | 0.00%        |
| ecse0910           | eCSE          | 66             | 16.1            | 0.00%               | 16.1            | 0.00%        | 74.3             | 0.00%        |
| ecse0919           | eCSE          | 0              | 0.0             | 0.00%               | 0.0             | 0.00%        | 28.2             | 0.00%        |
| <b>eCSE Total</b>  |               | <b>651</b>     | <b>2,635.5</b>  | <b>0.07%</b>        | <b>2,635.5</b>  | <b>0.07%</b> | <b>1,992.5</b>   | <b>0.05%</b> |
| d43                | ECDF          | 217            | 1,744.7         | 0.05%               | 1,744.7         | 0.05%        | 17,452.1         | 0.45%        |
| d25                | Research      | 114            | 853.7           | 0.02%               | 853.7           | 0.02%        | 2,493.2          | 0.06%        |
| d35                | Research      | 859            | 343.8           | 0.01%               | 343.8           | 0.01%        | 1,246.6          | 0.03%        |
| d56                | Research      | 730            | 13,858.6        | 0.36%               | 13,858.6        | 0.36%        | 17,600.7         | 0.45%        |
| d60                | Research      | 0              | 0.0             | 0.00%               | 0.0             | 0.00%        | 598.7            | 0.02%        |
| d65                | Research      | 0              | 0.0             | 0.00%               | 0.0             | 0.00%        | 54.8             | 0.00%        |
| d67                | Research      | 48             | 1,030.1         | 0.03%               | 1,030.1         | 0.03%        | 1,246.6          | 0.03%        |
| d71                | Research      | 117            | 1,493.9         | 0.04%               | 1,493.9         | 0.04%        | 1,696.6          | 0.04%        |
| d72                | Research      | 0              | 0.0             | 0.00%               | 0.0             | 0.00%        | 498.6            | 0.01%        |
| d87                | Research      | 61             | 1,260.9         | 0.03%               | 1,261.5         | 0.03%        | 3,315.4          | 0.09%        |
| d88                | Research      | 44             | 46.6            | 0.00%               | 46.6            | 0.00%        | 39.3             | 0.00%        |
| d96                | Research      | 0              | 0.0             | 0.00%               | 0.0             | 0.00%        | 4,986.3          | 0.13%        |
| d100               | Research      | 0              | 0.0             | 0.00%               | 0.0             | 0.00%        | 1,068.0          | 0.03%        |
| d101               | Research      | 632            | 1,741.7         | 0.05%               | 1,746.7         | 0.05%        | 1,246.6          | 0.03%        |
| d107               | Research      | 125            | 1.5             | 0.00%               | 1.5             | 0.00%        | 1,246.6          | 0.03%        |
| d114               | Research      | 1,163          | 36,979.7        | 0.96%               | 36,983.6        | 0.96%        | 29,472.8         | 0.76%        |
| d120               | Research      | 0              | 0.0             | 0.00%               | 0.0             | 0.00%        | 917.4            | 0.02%        |
| d121               | Research      | 0              | 0.0             | 0.00%               | 0.0             | 0.00%        | 0.0              | 0.00%        |
| d137               | Research      | 343            | 12,063.4        | 0.31%               | 16,564.8        | 0.43%        | 7,479.5          | 0.19%        |
| d141               | Research      | 139            | 361.5           | 0.01%               | 361.5           | 0.01%        | 747.9            | 0.02%        |
| d142               | Research      | 278            | 31,963.3        | 0.83%               | 31,963.4        | 0.83%        | 18,804.9         | 0.49%        |
| d143               | Research      | 103            | 3,446.6         | 0.09%               | 3,446.6         | 0.09%        | 8,317.8          | 0.22%        |
| d144               | Research      | 32             | 923.6           | 0.02%               | 923.6           | 0.02%        | 1,028.0          | 0.03%        |
| d145               | Research      | 6              | 3.2             | 0.00%               | 3.2             | 0.00%        | 7,479.5          | 0.19%        |
| d146               | Research      | 12             | 51.9            | 0.00%               | 51.9            | 0.00%        | 1,547.6          | 0.04%        |
| d149               | Research      | 1,346          | 8,056.6         | 0.21%               | 8,056.6         | 0.21%        | 8,356.2          | 0.22%        |
| d150               | Research      | 75             | 1,987.9         | 0.05%               | 1,987.9         | 0.05%        | 5,000.0          | 0.13%        |
| d151               | Research      | 16             | 0.9             | 0.00%               | 0.9             | 0.00%        | 326.1            | 0.01%        |
| d152               | Research      | 0              | 0.0             | 0.00%               | 0.0             | 0.00%        | 295.1            | 0.01%        |
| d132               | Industrial    | 28             | 130.0           | 0.00%               | 130.0           | 0.00%        | 318.2            | 0.01%        |
| e540               | Industrial    | 0              | 0.0             | 0.00%               | 0.0             | 0.00%        | 264.5            | 0.01%        |

| Project             | Project Class      | Number of Jobs | Charged kAUs | Charged Utilisation | Used kAUs   | Utilisation | Allocated kAUs | Allocation |
|---------------------|--------------------|----------------|--------------|---------------------|-------------|-------------|----------------|------------|
| i01                 | Industrial         | 55             | 483.9        | 0.01%               | 483.9       | 0.01%       | 222.5          | 0.01%      |
| i07                 | Industrial         | 0              | 0.0          | 0.00%               | 0.0         | 0.00%       | 3,283.5        | 0.08%      |
| i200                | Industrial         | 1              | 0.4          | 0.00%               | 0.4         | 0.00%       | 661.8          | 0.02%      |
| x06                 | Industrial         | 0              | 0.0          | 0.00%               | 0.0         | 0.00%       | 7.9            | 0.00%      |
| x08                 | Industrial         | 310            | 1,014.2      | 0.03%               | 1,014.2     | 0.03%       | 3,989.0        | 0.10%      |
| d74                 | Training           | 799            | 336.7        | 0.01%               | 336.7       | 0.01%       | 162.1          | 0.00%      |
| d104                | Training           | 2,230          | 7,542.3      | 0.19%               | 7,542.3     | 0.19%       | 7,543.2        | 0.19%      |
| d122                | Training           | 1,242          | 46.0         | 0.00%               | 46.3        | 0.00%       | 1,267.4        | 0.03%      |
| d133                | Training           | 0              | 0.0          | 0.00%               | 0.0         | 0.00%       | 124.8          | 0.00%      |
| e482                | Training           | 0              | 0.0          | 0.00%               | 0.0         | 0.00%       | 1,495.9        | 0.04%      |
| d131                | Service            | 957            | 576.5        | 0.01%               | 575.0       | 0.01%       | 2,500.0        | 0.06%      |
| d134                | Service            | 0              | 0.0          | 0.00%               | 0.0         | 0.00%       | 1,246.6        | 0.03%      |
| w12                 | Service            | 425            | 1,608.3      | 0.04%               | 1,608.3     | 0.04%       | 1,484.0        | 0.04%      |
| w13                 | Service            | 52             | 452.6        | 0.01%               | 452.6       | 0.01%       | 1,484.0        | 0.04%      |
| w14                 | Service            | 59             | 560.9        | 0.01%               | 560.9       | 0.01%       | 1,484.0        | 0.04%      |
| w15                 | Service            | 0              | 0.0          | 0.00%               | 0.0         | 0.00%       | 1,491.8        | 0.04%      |
| y01                 | Service            | 0              | 0.0          | 0.00%               | 0.0         | 0.00%       | 24.9           | 0.00%      |
| y02                 | Service            | 26             | 2.3          | 0.00%               | 2.3         | 0.00%       | 498.6          | 0.01%      |
| y07                 | Service            | 31             | 0.2          | 0.00%               | 0.2         | 0.00%       | 249.3          | 0.01%      |
| z02                 | Service            | 12             | 0.5          | 0.00%               | 0.5         | 0.00%       | 1,246.6        | 0.03%      |
| z17                 | Service            | 17             | 108.1        | 0.00%               | 108.1       | 0.00%       | 1,411.0        | 0.04%      |
| z99                 | Service            | 106            | 0.9          | 0.00%               | 0.9         | 0.00%       | 24.9           | 0.00%      |
| d84                 | UoE Seedcorn       | 5              | 685.2        | 0.02%               | 685.2       | 0.02%       | 1,246.6        | 0.03%      |
| d147                | UoE Seedcorn       | 465            | 1,227.1      | 0.03%               | 1,227.1     | 0.03%       | 568.9          | 0.01%      |
| d148                | UoE Seedcorn       | 0              | 0.0          | 0.00%               | 0.0         | 0.00%       | 537.7          | 0.01%      |
| d83                 | UoE Supercomputing | 0              | 0.0          | 0.00%               | 0.0         | 0.00%       | 15,195.9       | 0.39%      |
| d108                | UoE Supercomputing | 0              | 0.0          | 0.00%               | 0.0         | 0.00%       | 2,000.0        | 0.05%      |
| DirectorsTime Total |                    | 13,280         | 132,990.0    | 3.44%               | 137,500.1   | 3.55%       | 196,598.3      | 5.08%      |
| y14                 | Training           | 5,023          | 1,172.5      | 0.03%               | 822.5       | 0.02%       | 1,745.2        | 0.05%      |
| y21                 | Service            | 0              | 0.0          | 0.00%               | 0.0         | 0.00%       | 229.8          | 0.01%      |
| z01                 | Service            | 6              | 0.0          | 0.00%               | 0.0         | 0.00%       | 124.7          | 0.00%      |
| z19                 | Service            | 844            | 4,284.3      | 0.11%               | 4,284.7     | 0.11%       | 16,205.5       | 0.42%      |
| CSE Total           |                    | 5,873          | 5,456.7      | 0.14%               | 5,107.3     | 0.13%       | 18,305.1       | 0.47%      |
| i18                 | Industrial         | 0              | 0.0          | 0.00%               | 0.0         | 0.00%       | 4,715.9        | 0.12%      |
| i20                 | Industrial         | 417            | 301.4        | 0.01%               | 301.4       | 0.01%       | 1,000.0        | 0.03%      |
| Industrial Total    |                    | 417            | 301.4        | 0.01%               | 301.4       | 0.01%       | 5,715.9        | 0.15%      |
| w03                 | Service            | 177            | 344.7        | 0.01%               | 344.7       | 0.01%       | 284.8          | 0.01%      |
| Internal Total      |                    | 177            | 344.7        | 0.01%               | 344.7       | 0.01%       | 284.8          | 0.01%      |
| Total               |                    | 206,459        | 3,425,894.5  | 88.56%              | 3,454,490.2 | 89.30%      | 3,886,379.9    | 100.47%    |

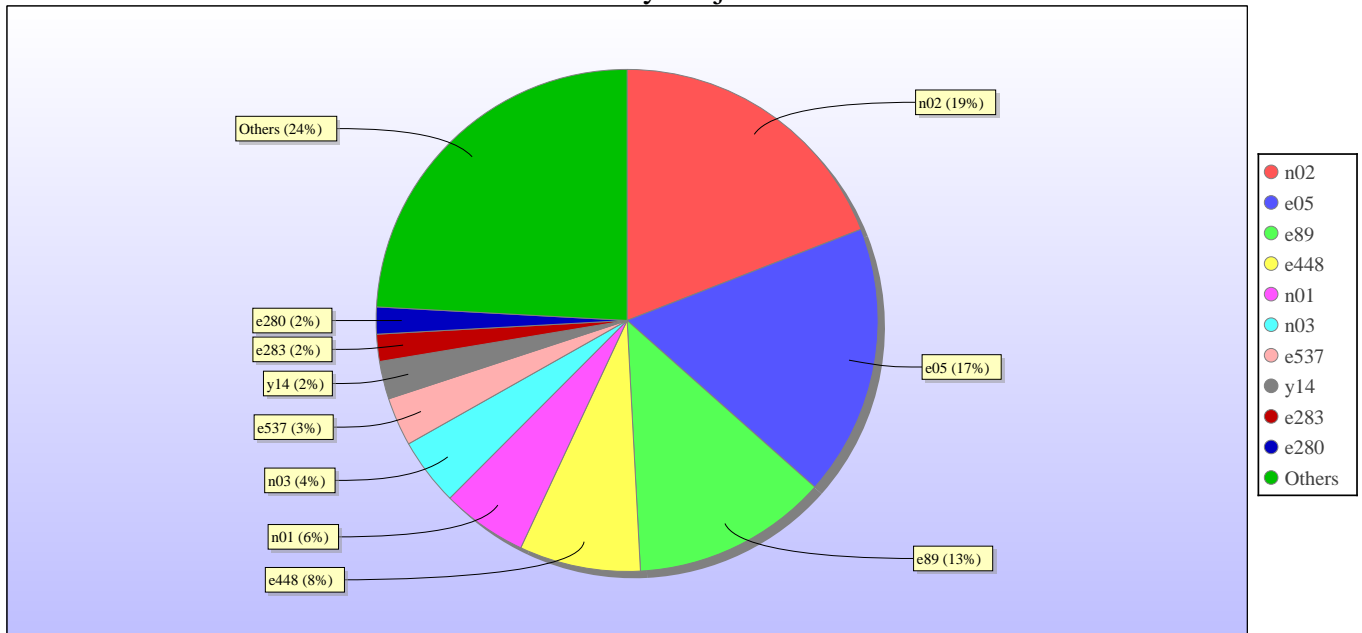
Use by Project



Uncharged Use by Project



### Jobs by Project

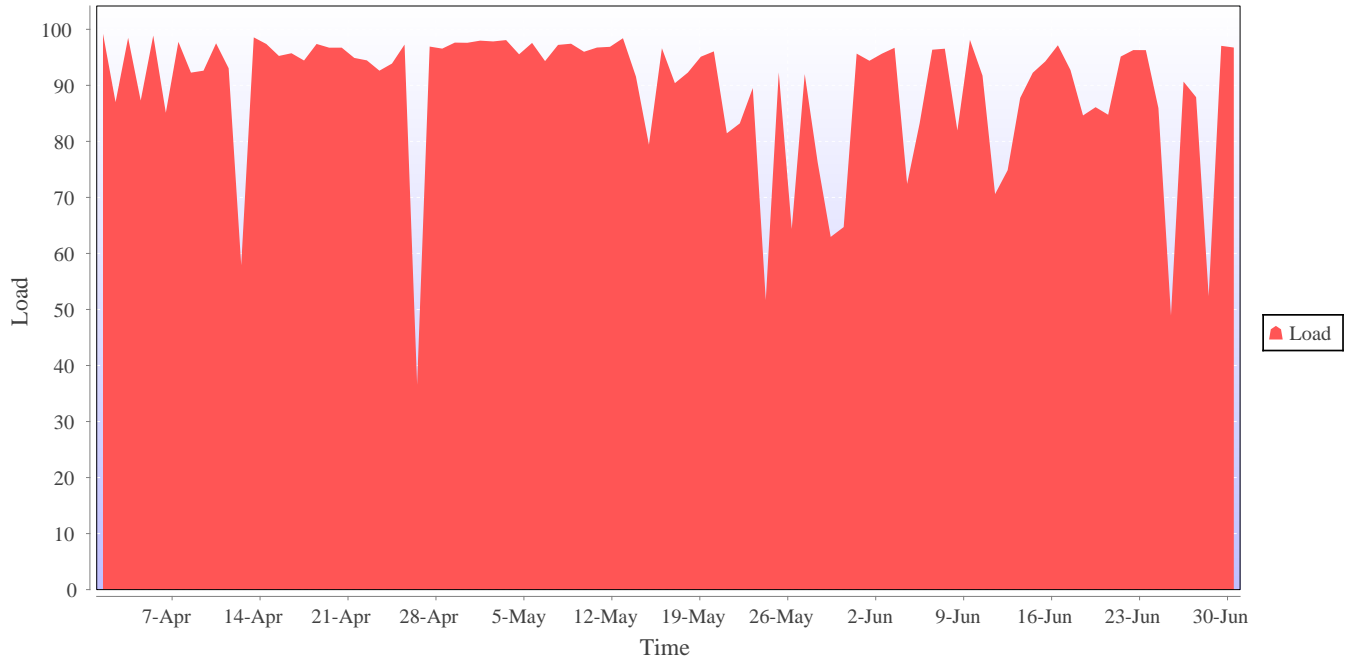


### kAUs (by Size)

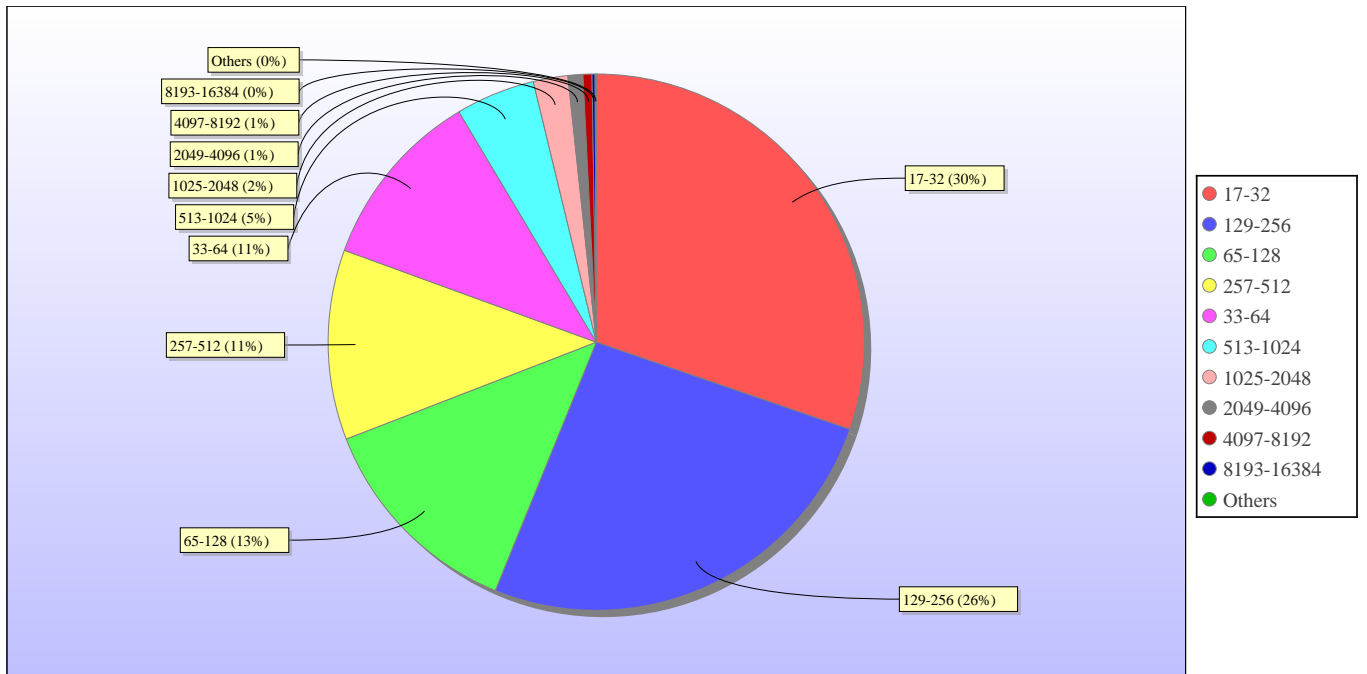
| Size         | kAUs        | Number of Jobs |
|--------------|-------------|----------------|
| 17-32        | 45,057.959  | 62,479         |
| 33-64        | 33,435.047  | 22,442         |
| 65-128       | 213,502.598 | 26,770         |
| 129-256      | 502,586.049 | 53,415         |
| 257-512      | 557,134.443 | 23,640         |
| 513-1024     | 568,149.464 | 9,875          |
| 1025-2048    | 549,891.908 | 4,301          |
| 2049-4096    | 442,010.286 | 1,854          |
| 4097-8192    | 246,677.078 | 1,114          |
| 8193-16384   | 169,957.886 | 380            |
| 16385-32768  | 54,861.778  | 117            |
| 32769-65536  | 11,665.008  | 21             |
| 65537-131072 | 2,987.687   | 8              |



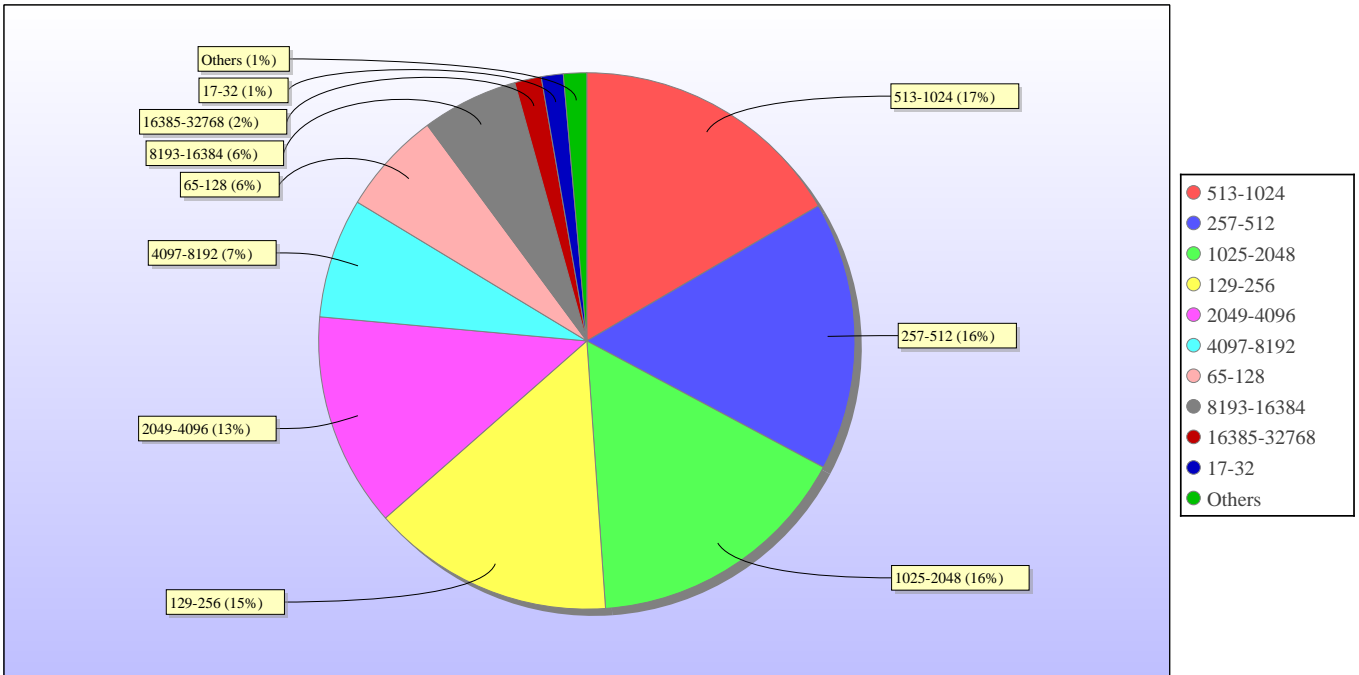
## Load plots



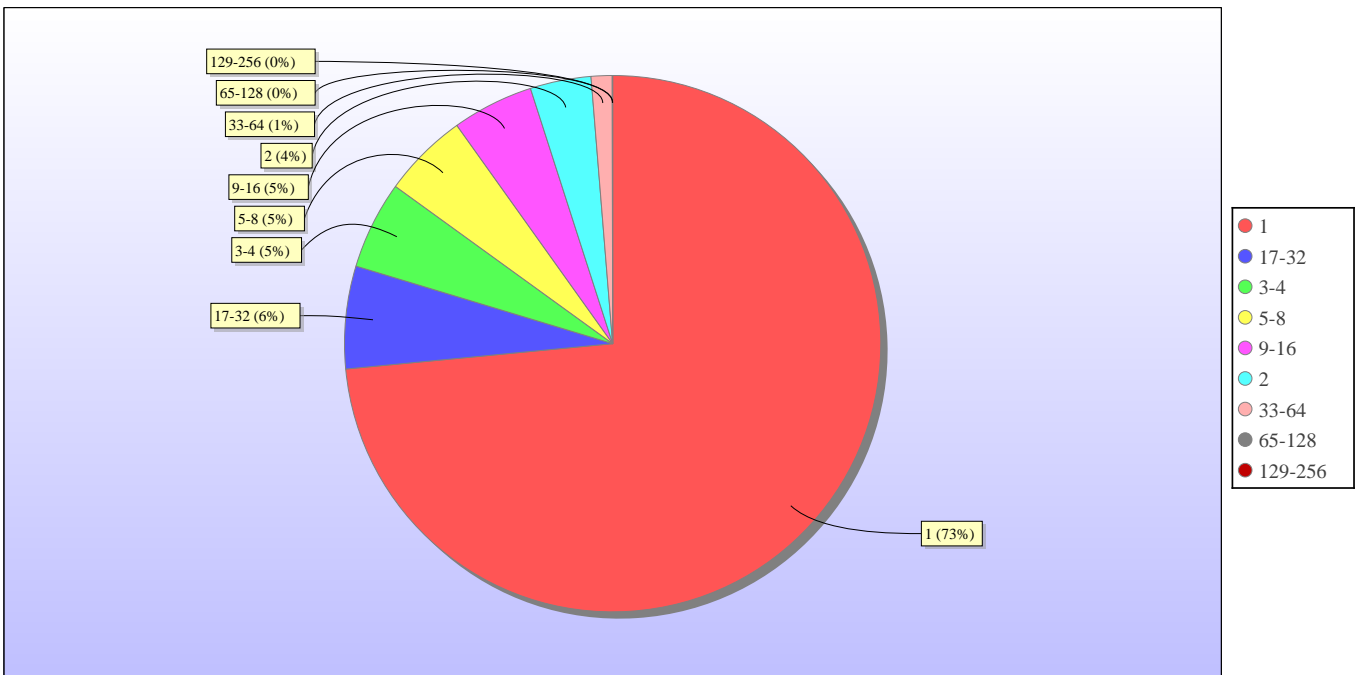
Percentage load on machine



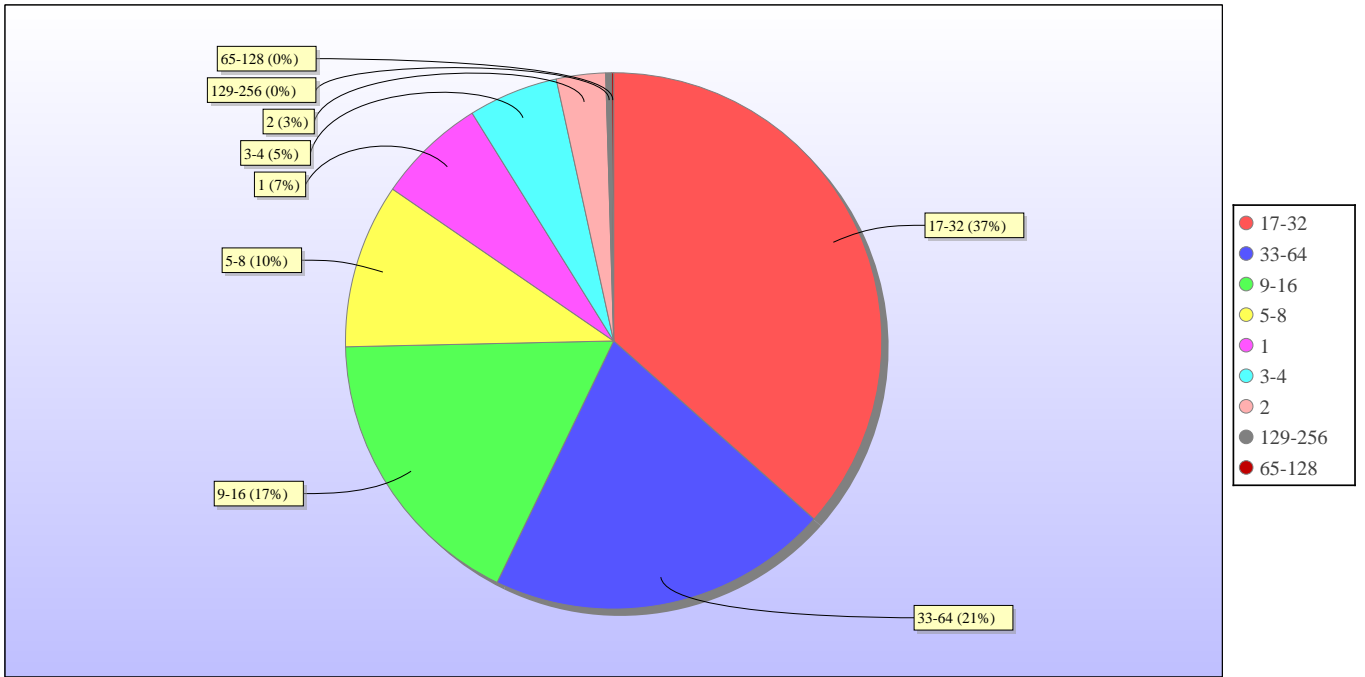
Jobs by Size



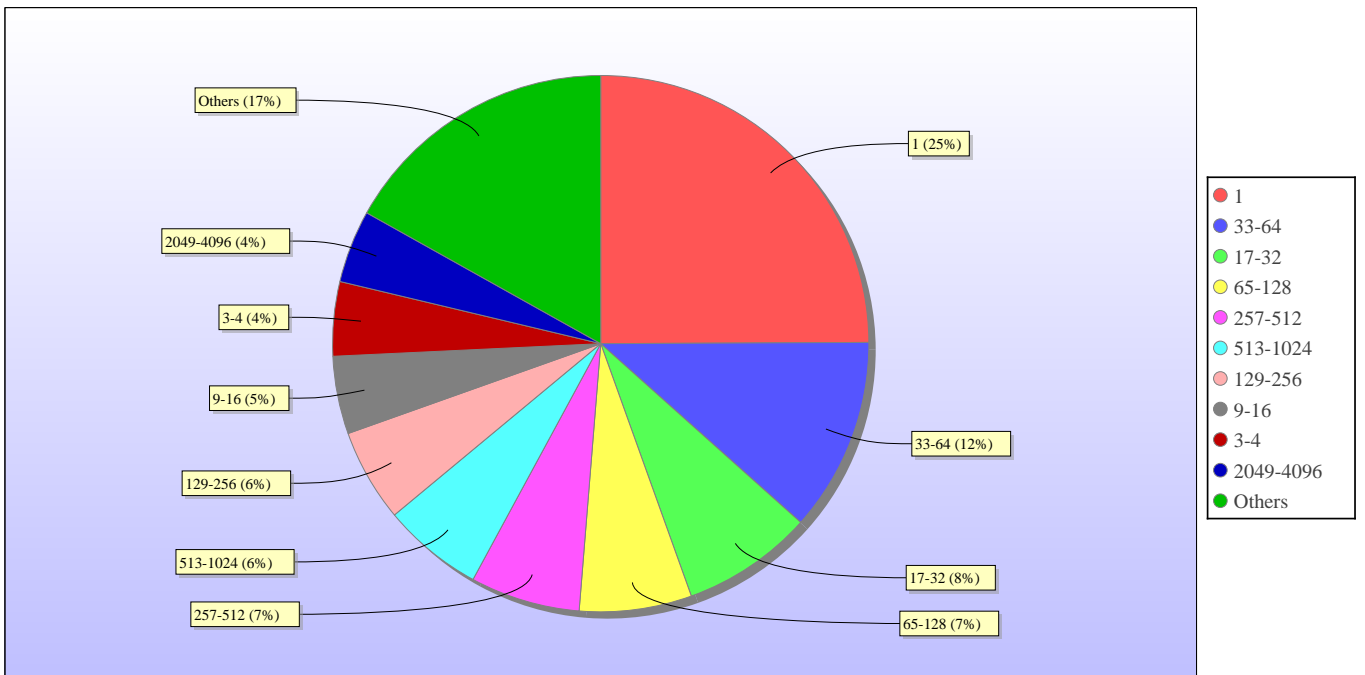
kAUs used by Size



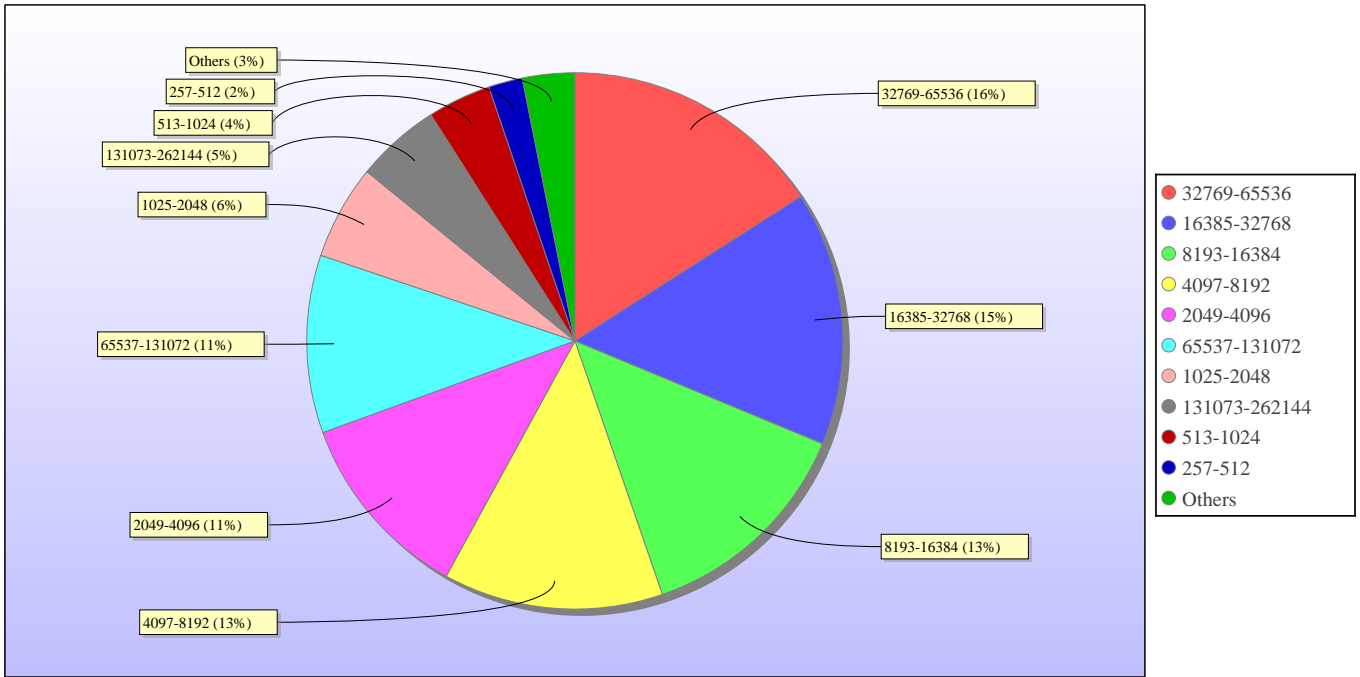
Jobs grouped by wall-clock-hours



kAUs used grouped by wall-clock-hours



Jobs grouped by core-hours

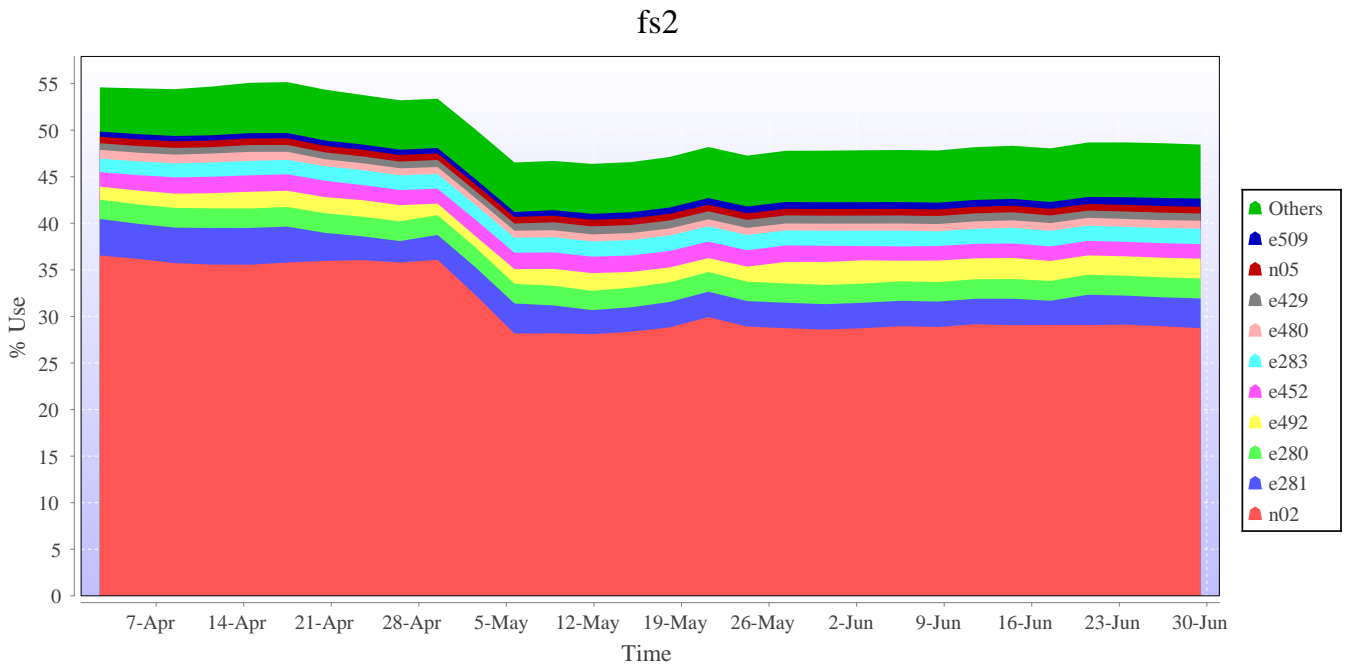


kAUs used grouped by core-hours

## Disk usage

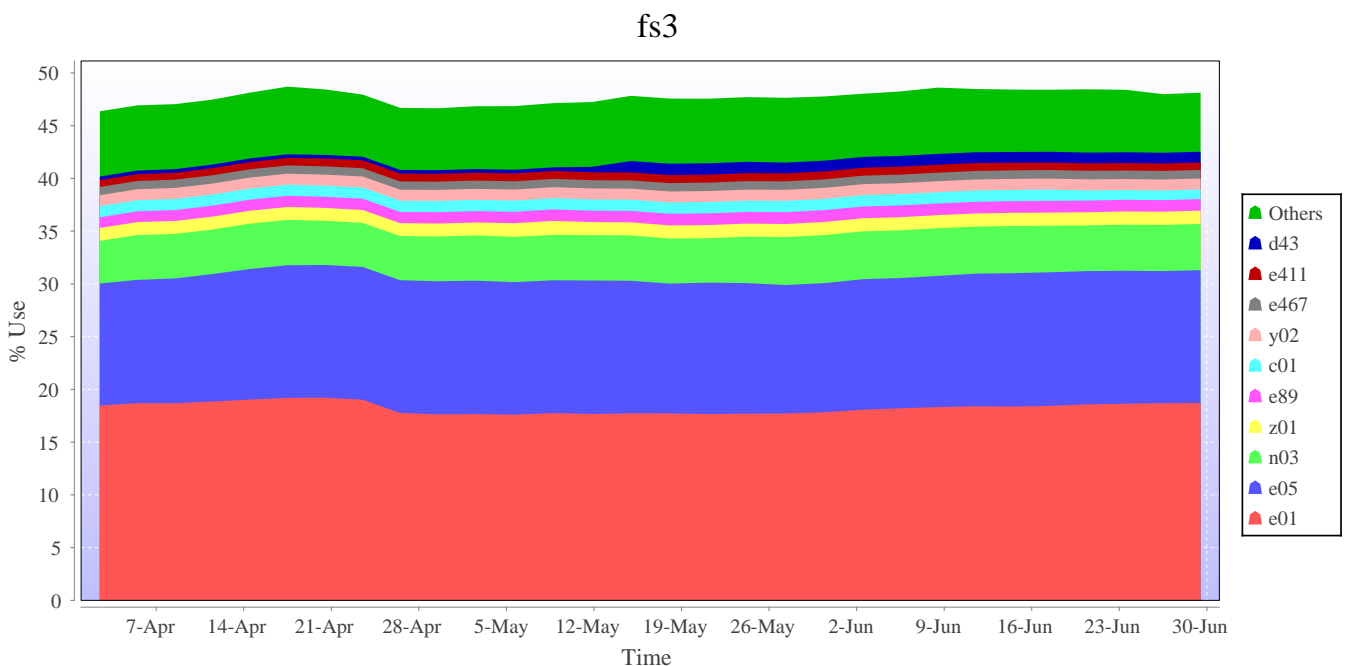
### Disk usage for work ( fs2 )

This is a plot of Disk Use on fs2 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.



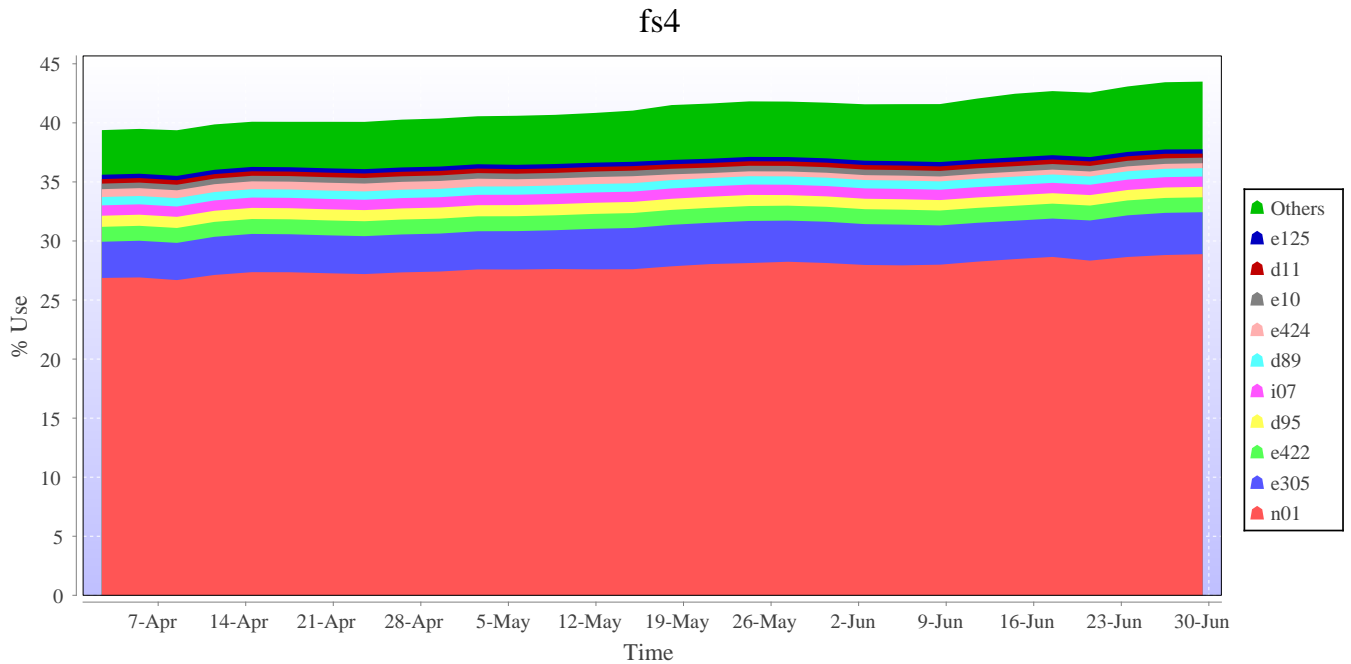
### Disk usage for work ( fs3 )

This is a plot of Disk Use on fs3 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.



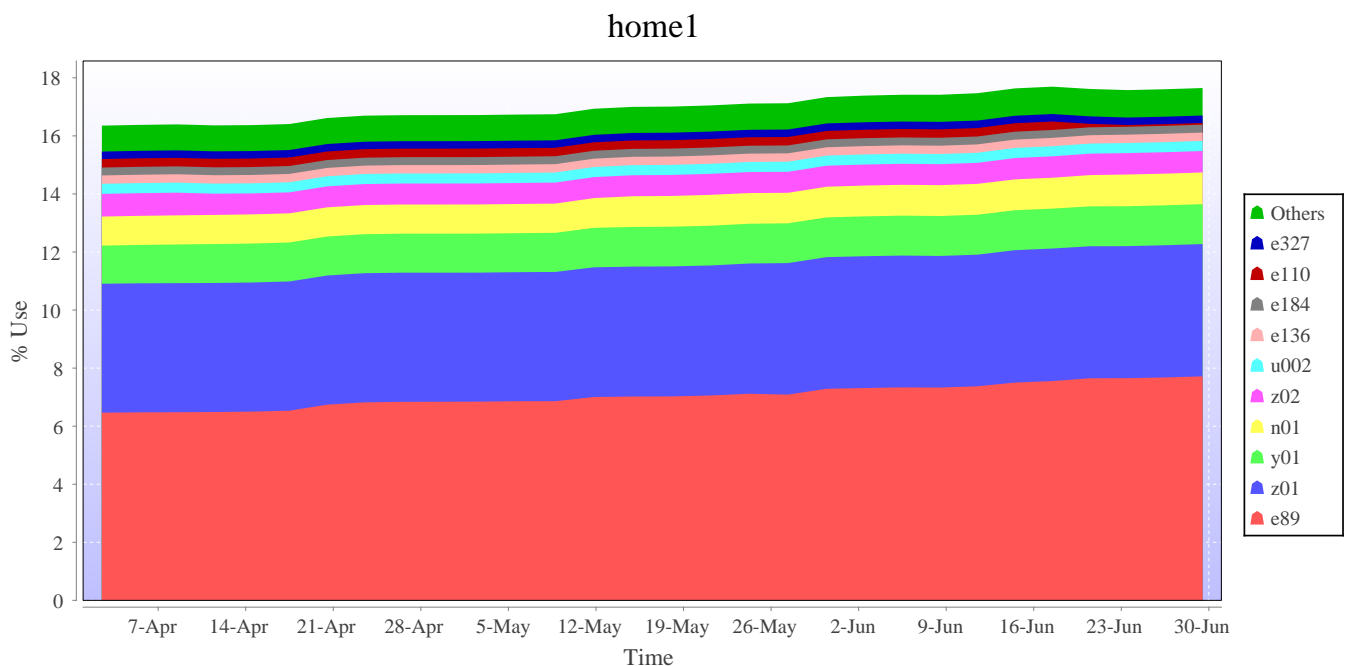
## Disk usage for work ( fs4 )

This is a plot of Disk Use on fs4 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.



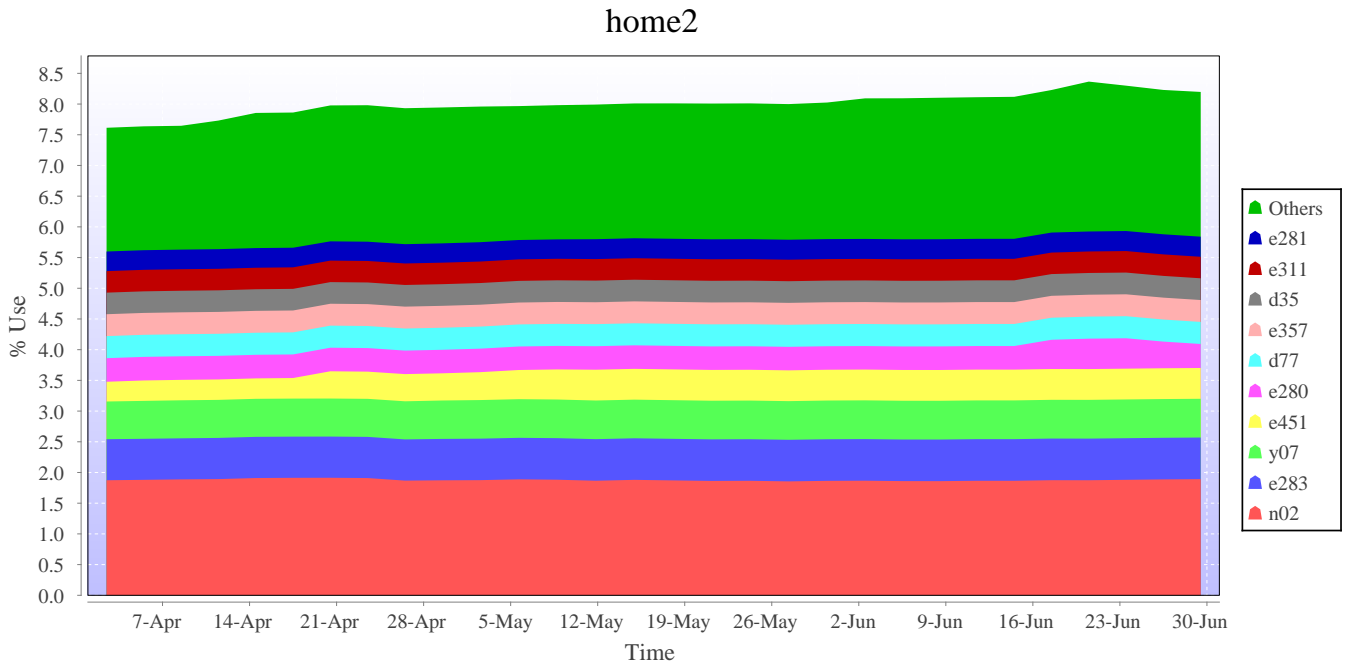
## Disk usage for home ( home1 )

This is a plot of Disk Use on 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.



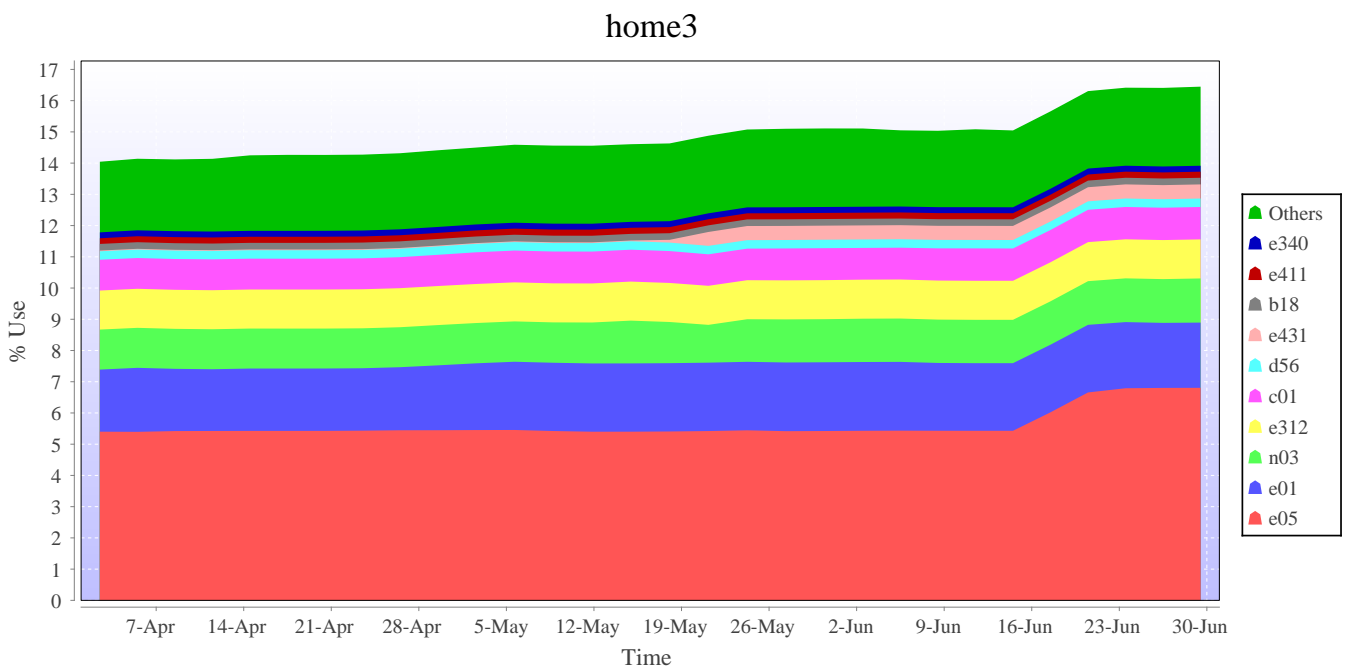
## Disk usage for home ( home2 )

This is a plot of Disk Use on 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 ( home3 )

This is a plot of Disk Use on 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 home ( home4 )

This is a plot of Disk Use on home4 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.

