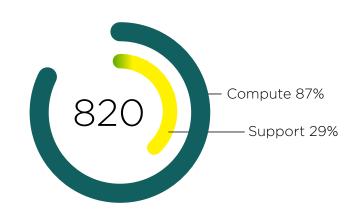
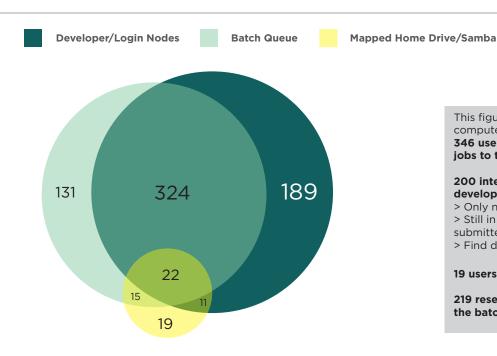
# **ICER SERVICE REPORT**

FEB 2018

# RESEARCHERS USED ICER SERVICES





# NUMBER OF USERS USING ICER COMPUTE SERVICES

This figure shows a breakdown of users that use iCER compute services:

346 users (324+22) use the developer nodes to submit jobs to the queue.

200 interactive users (189+11) only use iCER developer nodes to do their work. This includes users:

- > Only need access to software (ex. Matlab, mathematica)
- > Still in software development process and have not submitted a job
- > Find development nodes are sufficient for their research.

19 users only used the iCER file systems to store their files.

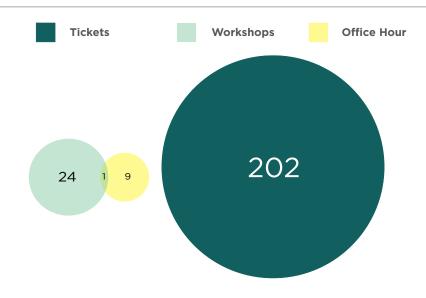
219 researchers (189+11+19) used iCER hardware outside of the batch queue.

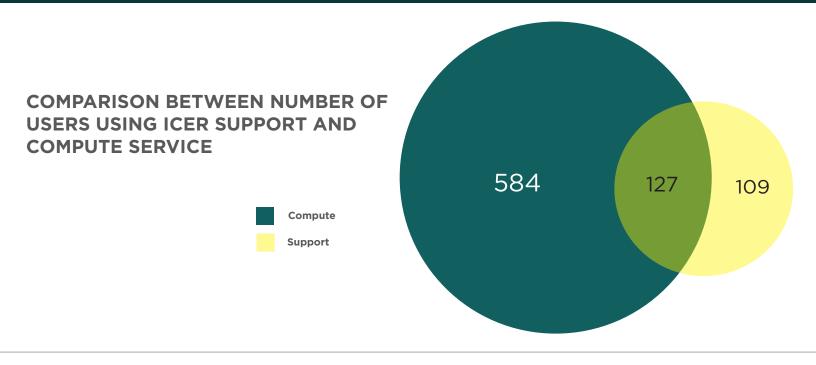
# NUMBER OF USERS USING ICER SUPPORT SERVICES

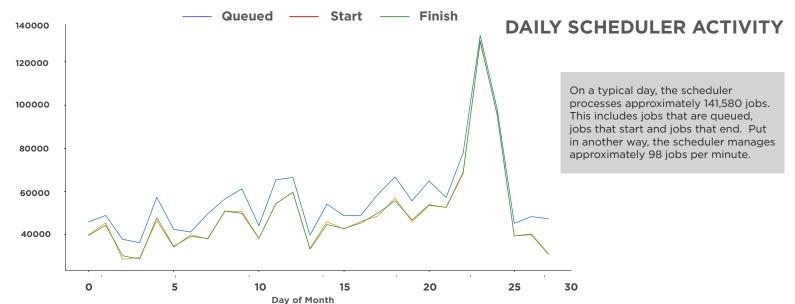
This figure shows a breakdown of users that use iCER support services. These support services include support tickets, iCER workshops and office hours.

### List of iCER workshops in February:

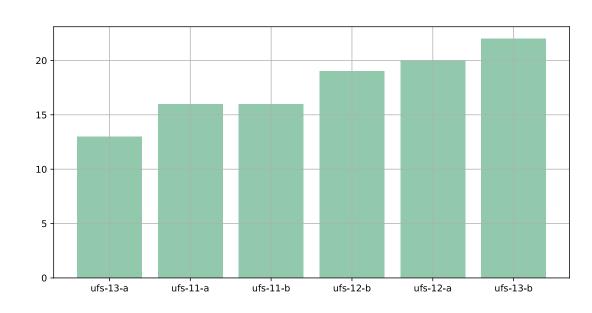
- > Introduction HPCC
- > Research Data Management with Globus



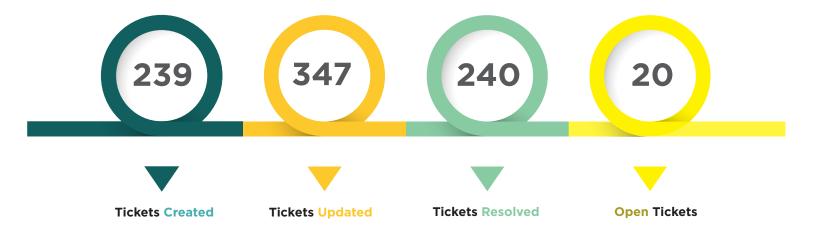




NUMBER OF MAPPED HOME DIRECTORIES PER SERVER



# **TICKET ACTIVITY SUMMARY**

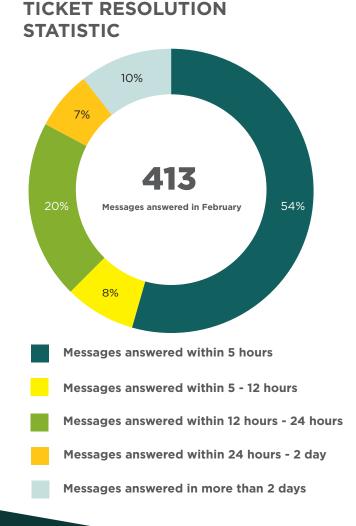


# TICKET MESSAGE SUMMARY



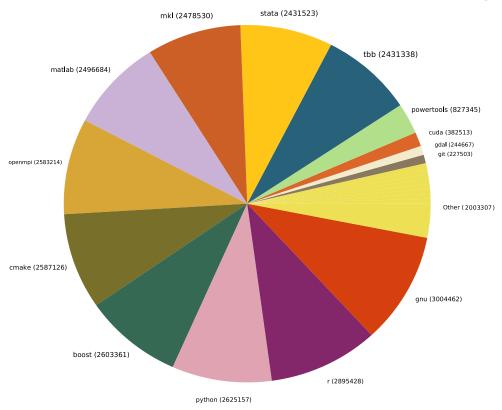
# **FEBRUARY TICKET HIGHLIGHTS**





In an effort to better serve our users, we have been analyzing the software that is being used on the HPC by recording which software modules are being loaded using the "module load" command. Clearly this is not a complete view; many users install their own software in their home directories, some modules are automatically loaded as part of a user profile and there will be a bias toward pleasantly parallel codes which will load their required modules every time a job runs (as compared to bigger jobs which would only load the modules once). However, we find this data interesting and wanted to share it with you.

### ALL MODULE LOAD COUNTS < 10000000



The pie chart shows the most commonly loaded modules. Note again that the biggest ones are the ones included in a user's default profile such as MATLAB, Python, and R. These modules get loaded every time they log in or run a job. As can be seen clearly, the default modules get loaded in an order of magnitude more than many of the other modules.

# **ALL MODULE LOAD COUNTS < 100000**

After taking out the default modules, the pie chart on the right shows more modules that users are choosing to include in their .bashrc files and being submitted on a lot of jobs.

# amber (74536) autoconf (26592) automake (26591) dist\_run (25907) schrodinger (23565) samtools (22880) gateway (22810) moe (22212) matlab-compiler gaussian (1701) gsl (82753) Other (190885)

inte**l** (99670)

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