NERSC
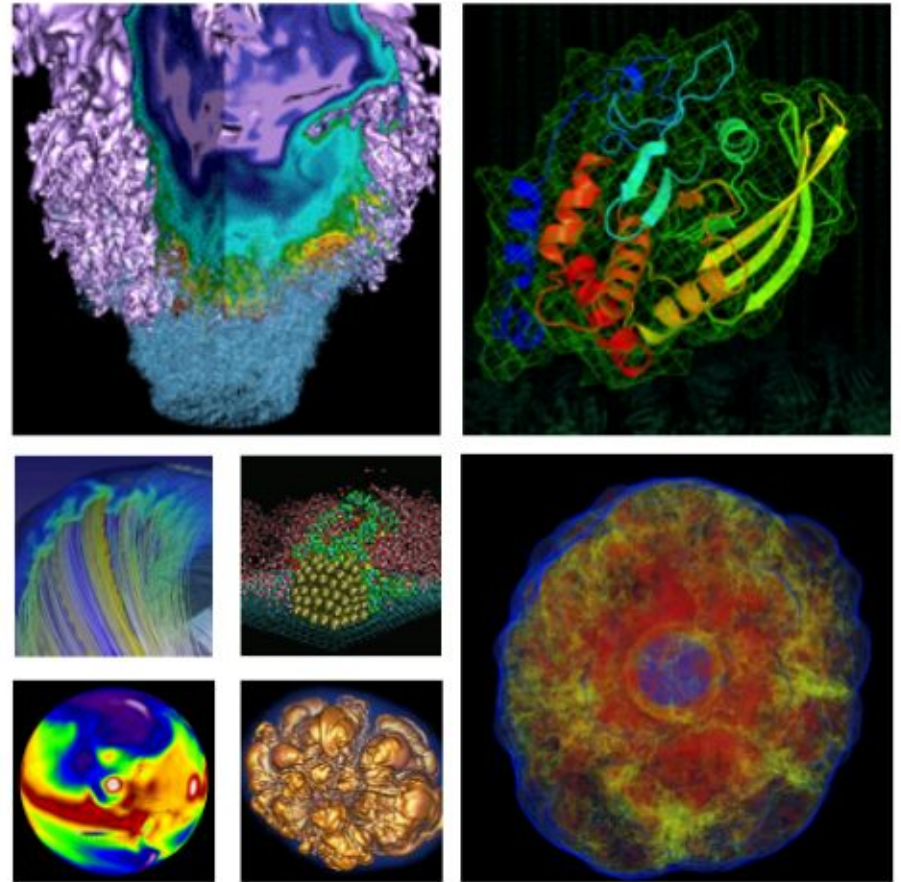# Users Group
Monthly
Meeting

December 20, 2018
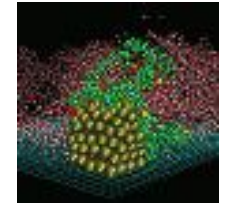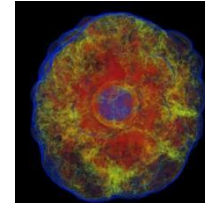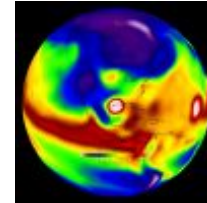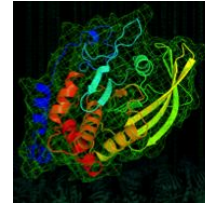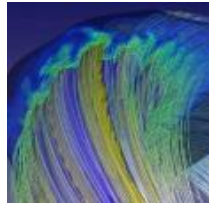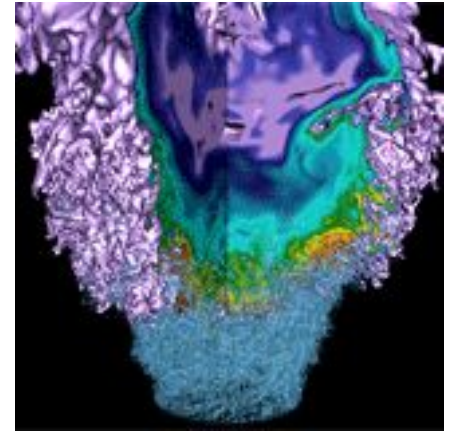
Agenda

- **New Account Validation Process for AY19**
- **Plans for Allocation Year Rollover**

New Account Validation Process for AY19

New Vetting Process for Users

- **New process for approving user access**
- **Majority of users will see no delay in account approval. Some users could see a delay or be asked to provide additional information**

New Acceptable Use Policy (AUP)

- **A new AUP form will be available in early January**
- **All users must sign the new form before using NERSC resources in AY19**
- **All users will also need to validate their user information is accurate before accessing resources.**

Allocation Year Rollover
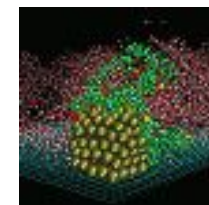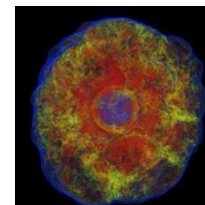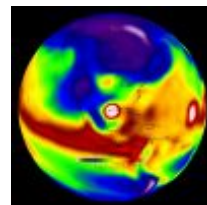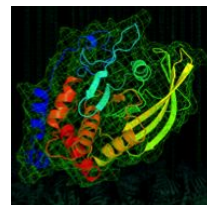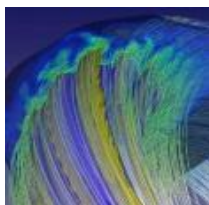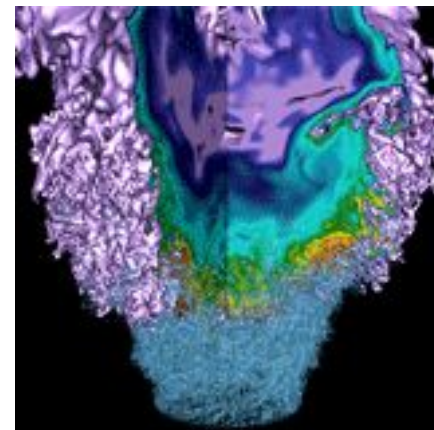
AY Rollover Dates

- **AY2018 ends: 23:59:59 on Monday, Jan 7, 2019**

- **AY2019: Tuesday Jan 8, 2019 to Monday Jan 13, 2020.**

What needs to happen during AY Rollover?

- **The NERSC Information Database needs to be updated with the new AY2019 allocation data: repos, users, NERSC hours and HPSS storage awarded, etc.**

- **Computational systems need to sync up with the NIM active users data and clean up batch jobs that do not have AY19 allocations.**

What's not available shortly before AY starts?

- **No Premium QOS: January 2 - 7**
  - To allow fair usage from repos with remaining AY18 hours for science work
- **No new user creation: Jan 2, noon - Jan 8, 8 am**
- **Exploratory requests for AY18 allocations are not accepted any more**

System Downtimes and Timeline

- **Monday, Jan 7, 2019, 9pm - before midnight**
  - NIM will be down
    - Refresh browser after it is back to see new AY19 data
- **Tuesday, Jan 8, 2019, 7am-5pm**
  - Cori and Edison will be down
  - Jupyter-dev will be down during Cori maintenance
    - Note: Jupyter will still be available
- **All other systems and other services will be up**

What happens to Queued Jobs on Cori and Edison?

- **Queued jobs (idle jobs) associated with non-continuing AY19 repos will be deleted**
- **Pending 2018 "scavenger" jobs (jobs with no AY18 hours left) will also be deleted**
- **All other jobs will remain in the batch queue**

Cori and Edison Charging Across AY Boundary

- **Jobs run before system maintenances start at 7am on Tuesday, Jan 8, will run against AY18 repos**
- **Jobs run after system maintenances complete at 5pm on Tuesday, Jan 8, will run against AY19 repos**
- **No charging on the first day of AY19, Jan 8, 2019**

New Software Default

- **Per our software environment change policy, NERSC changes default twice a year, including at AY Rollover**
  - CDT/18.09 set to default
    - No Intel compiler version change
  - CDT/18.06 removed
  - CDT/18.12 new available
- **Detailed list at**
  - https://www.nersc.gov/users/computational-systems/cori/updates-and-status/pe-changes-on-cori-edison-jan2019/

MFA Enforcement

- **Multi-factor authentication (MFA) becomes required for accessing majority of NERSC resources (such as systems and websites) on Jan 8, 2019**
- **Enable now to avoid delays in January**
  - Documentation at https://www.nersc.gov/users/connecting-to-nersc/mfa/
  - More office hours January 4, 7, 8, 9 https://www.nersc.gov/users/announcements/featured-announcements/mfa-office-hours-in-december-and-january/

Discontinued Users

- **Users with no active repos in AY19 are "discontinued", effective AY19 starts on Jan 8, 2019.**
- **Have limited login access to authorized systems to clean up data (but can not run batch jobs) until Feb 8, 2019**
- **Have write access to HPSS until Feb 8, 2019, then read-only and delete access until Aug 8, 2019**

More Information

- **Allocation Year Rollover 2018-2019 webpage**

  - https://www.nersc.gov/users/announcements/allocation-year-rollover-2018-to-2019/

  - Contains more details and most up-to-date information

- **Questions?**

The End