

Sasha Ames
Supported Projects: (ESGF, DREAM, E3SM)

Quarterly Report for FY2018Q2 (January-March)

(ongoing efforts when not indicated)

Quarter Accomplishments

- **Publication working team:** continued to lead PWT in effort to prepare for CMIP6; updates to the publisher software and testing of data publication
- **Installation:** Cut 2.6 test releases and test federation at LLNL. Supervised WH on 3.0 effort. Directed Lina in testing 2.6 releases and managed the VM to aid that effort
- **Node Manager and services:** Node manager installation stripped down. [February] Developed working mock notification test generation and difference algorithm. [March]
- **Data Challenge:** LLNL participant at weekly Data Challenge telcos. Ran a telco in Sebastien's absence. Completing the tasks for LLNL in 3 data challenges except for Replication.
- **Replication and LLNL publishing:** Continued to supervise Jeff notably on CMIP6 data challenge. Republished Input4MIPs with PIDs. Re-publication of E3SM (Donahoe) [January]. E3SM publication planning and configuration. Implemented Obs4MIPs proof of concept. Coordinated archive management with PCMDI staff.
- **Machine Learning:** Continued supervision of research effort led by Soo and collaboration with LBL on training data definition.
- **DREAM:** Met with Robert Blake on Cardiac simulation data management [February]
- **F2F conference:** Contributed to the workshop report in working team sections, review and plan sections.
- **AIMS leadership:** Contributed to JIRA organization. Regular review. Worked on job postings
- **ESGF XC:** Participation in Dean's absence, planning next F2F
- **HPSS service:** met with Junmin at LBL monthly and coordinating the effort
- **Other:** BER SBIR review panel [January]

Next Quarter's roadmap

- **Publication working team:** continue CMIP6 preparation work as more sites prepare preliminary data.
- **Data Challenge:** ongoing LLNL participation through DC 5 [May]
- **Installation:** Supervise installer 3.0 testing, bug fix, and make direct contribution. Coordinate upgrade to 2.7 updates and site upgrades. Supervise installation requirements and deployments to support data challenges (in test federation); continue work with Lina toward CI / automated release testing
- **Node manager and services:**
 - Node manager becomes registry service
 - Map search result difference to user db and integrate with feedback
 - Publication simulator for testing of tracking
 - Hold working team discussion

- **Machine Learning:** continue to advise Soo; work on training set definition and publishing to ESGF with LBL; work with developer on software requirements, design
- **Replication and LLNL publishing:**
 - continued supervision of the replication and publishing effort.
 - Coordination with Paul / PCMDI on their needs.
 - E3SM publishing [April].
 - CMIP6 replication and publishing [June]
- **DREAM:**
 - Server side caching of json service
 - Follow up on cardiac data [April]
- **Compute:** on deck to help Jason and Cameron C. in ESGF integration and deployment
- **HPSS:** test BASE jumper at LLNL [April]
- **ESGF XC:** continued participation [to end May]
- **AIMS lead:** expect to interview candidates from posting or hires in-house

Resources Required to Achieve Goals

- IWT coordination to integrate installation update within a formal development/production release
- Jeff available for replication work;
- William to collaborate on release issues
- Paul/Cameron on CSS management
- Tobias to continue Working Team discussions and planning
- More developer time to take over tasks.
- LBL continued availability for HPSS work and ML collaboration