Sasha Ames
Supported Projects: (ESGF, ACME)

Quarterly Report for April – June 2017

(ongoing efforts when not indicated)
Quarter Accomplishments

- **Publication working team**: continued to lead PWT in effort to prepare for CMIP6. Effort to integrate PrePARE with publisher. Discussions with PCMDI regarding obs4MIPs planning
- **Installation:** worked with William on 2.5 release (management and integration). Integrated publisher, node manager, dashboard and SLCS service (extensive testing ongoing). Supervised and finalized production release.
- **Node Manager and services:** Implemented secure credential sharing API. Kicked off monthly discussions (2 held in quarter) with Tobias about the direction of this activity
- **Replication and LLNL publishing:** continued supervision of Jeff and Tony for our replica publishing workflow. Several thousand additional datasets published. First proof of concept for production non-**netCDF** data part of input4MIPs (will help for DREAM) [June]
- **Machine Learning:** helped Soo with LDRD proposal (sadly not accepted) [April]. Continued supervision of research effort
- **ACME:** restored LLNL site and coordinated republishing with Lukasz [May]. Attended meeting [June]
- **ESGF Review:** prepared for review [May] presented in DC [June]
- **Compute:** advised Jason in effort integration with ESGF software

Next Quarter's roadmap

- **Publication working team:** continue CMIP6 preparation work as more sites prepare preliminary data. Obs4MIPs proof of concept. [?]
- **Installation:** finish SLCS integration [with CEDA - July] and production deployment of service at LLNL [August] Supervise installer rewrite (requirements ; design review; task tracking ; help with subcomponent deployments)
- **Node manager and services: d**esign client app to manage update notification [with Tobias - ongoing]. Fix node manager issues [July]. Verified client protocol [August]. Node manager requirements gathering [September]. Subscription-based tracking [September]. Docker integration [with Luca - TBD]
- **ACME:** on deck to help with data management needs (none at present)
- **Machine Learning:** work with Soo to submit paper [August?]
- **Replication and LLNL publishing:** continued supervision of the replication and publishing effort . Supervise input4MIPs republishing with PIDs (may do pathfinding work) [TBD]. Coordination with Paul / PCMDI on their needs
- **DREAM:** genomics publishing [August]
- **Compute:** on deck to help Jason in ESGF integration and deployment

Resources Required to Achieve Goals
- IWT coordination to integrate installation update within a formal development/production release
- Coordination with WGCM WIP on CMIP6 requirements ; PCMDI on Obs4MIPs requirements
- Jeff available for replication/publishing work;
- Tony for publishing;
- William to collaborate on release issues
- Luca on Docker;
- Paul/Cameron on CSS management
- Tobias to continue Working Team discussions and planning
- CEDA to help with SLCS.
- Jason for compute deployment.
- More developer time to take over tasks.