

Sasha Ames
Supported Projects: (ESGF, DREAM)

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. Addressed issues in CV for CMIP6 and handling of that in publisher software
- **Installation:** worked with William on 2.5.13-15 release updates (management and integration, testing and installations). Corrected pip issue (2.5.15, not yet production). SLCS released to production [July].
- **Node Manager and services:** Continued monthly discussions with Tobias about the direction of this activity. Node manager performance monitored in production
- **Replication and LLNL publishing:** continued supervision of Jeff and Tony for our replica publishing workflow. Republished input4MIPs sets that had issues.
- **Machine Learning:** Continued supervision of research effort led by Soo, start of collaboration with LBL. 2 Workshop papers accepted.
- **DREAM:** Implemented lightweight data service for non-netCDF files
- **Mentoring:** worked with summer students, mainly supervising Kendra in ESGF metrics work; some time Eliakim and Rachael on their projects [July]
- Presented ESGF 101 [August]
- Aided team effort to comply with HTTPS requirements for web [September]

Next Quarter's roadmap

- Prepare for and present at ESGF conference 2 talks, one poster [November-December]
- **Publication working team:** continue CMIP6 preparation work as more sites prepare preliminary data. Obs4MIPs proof of concept. [?].
- **Installation:** Supervise installer rewrite (requirements ; design review; task tracking ; help with subcomponent deployments)
- **Node manager and services:** design client app to manage update notification [with Tobias - ongoing]. Address node manager production deployment concerns [October]. Node manager requirements gathering [TBD]. Subscription-based tracking [November]. Verified client protocol [December]. Docker integration [with Luca - TBD]
- **ACME:** Publish Aaron's data [October]. Stand up ingestion service for future needs [?]
- **Machine Learning:** continued advice to Soo, participation with LBL, work on training set definition and publishing to ESGF.
- **Replication and LLNL publishing:** continued supervision of the replication and publishing effort. Supervise input4MIPs republishing with PIDs [October]. Coordination with Paul / PCMDI on their needs
- **DREAM:** genomics publishing test [October]
- **Compute:** on deck to help Jason and Cameron C. 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 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
- Jason for compute deployment.
- Lukasz to help with Ingestion service
- More developer time to take over tasks.