Sasha Ames
Supported Projects: ESGF and ACME

Quarterly Report for October 1, 2016 – December 31, 2016

Quarter Accomplishments:
- Worked with Tony on publishing CMIP5 replicas and input4MIPs updates [ongoing]
- Completed LLNL/PCMDI Globus site and published dataset updates [December]
- Regularly held PWT meetings [ongoing]
- Mentored Jason in ESGF/replication: identification of gaps in our replica holdings [December]
- Mentor William in installer [ongoing]
- Manual release upgrade of ESGF nodes at LLNL and ORNL [September]
- Community Machine Learning for ESGF additional content added toward full proposal [December]
- Node Manager: implemented secure communications; gathered additional experimental data [November]
- Worked with Alessandra on stats modules testing; metrics gathering for F2F reporting [November]
- Tracking and Feedback design presentation [October]
- Conda integration into esgf installer for publication; additional publisher features and CV work refinement towards CMIP6 [December]
- Submitted whitepaper for ESSDA RFP [October]

Next Quarter's Roadmap
- Mentoring Jason in replication, use of Synda [ongoing]
- Mentoring William in ESGF installer, site operations [ongoing]; collaborate on update to support publisher changes (use of Conda) [January]
- Supervising Tony in publishing CMIP5, input4MIPS, etc. [ongoing]
- Coordinate CWT ESGF integration and cluster use [ongoing]
- Community Machine Learning effort kick-off [February-March]
- ACME: coordinate infrastructure, ESGF, publishing needs at LLNL (possibly ESGF at ORNL); site setup [March]
- PWT meetings, additional features for CMIP6 and testing [ongoing]
- Node Manager:
  - Re-deployment and testing at test-fed sites, includes secure communication [February]
  - Design [February] and Implement [March] protocol for node verification
  - Production deployment possible [March]
  - Integration into ESGF installer [January]
  - Paper draft work [March]

- Develop [February] and test [March] Tracking and Feedback services
- Contribute to F2F reports, ESGF review [January], Implementation plan [March]

Resources Required to Achieve Goals
- IWT coordination to integrate installation update with a formal development release
- Coordination with WGCM WIP on CMIP6 requirements
- Coordination with Denis on Prepare
- Jason available for replication work; Tony for publishing; William to collaborate on install publisher
- Postdoc hired to work close-to full-time on Community Machine Learning