

Sasha Ames
Supported Projects: (ESGF, ACME)

Quarterly Report for July 1, 2016 – September 30, 2016

Quarter Accomplishments:

- Work with Tony on publishing [ongoing]
 - Input4MIPs additions and correction [August]
 - CMIP5 replicas [ongoing]
- Globus training at workshop globus endpoint and site setup. CoG integration on pcmdi11 and some endpoint publications [September]
- Regularly held PWT meetings [ongoing]
- Publisher release (v3.1.0) with CMIP6 requirements for global attributes and CV checks; CMIP6 test publishing [August]
- Node Manager testing in test-fed, with Nicolas [July] othes [September]
- Mentored Jason in ESGF/replication - checksum retrieval and processing for publishing completed [September]
- Manual release upgrade of ESGF nodes at LLNL and ORNL [September]
- Community Machine Learning for ESGF whitepaper submitted [September]
- Tracking and Feedback design [September]

Next Quarter's Roadmap

- Mentor Jason in replication [ongoing]
- Mentor William in installer [ongoing]
- Supervising Tony in publishing CMIP5, input4MIPS, etc. [ongoing]
- Test publishing of OLCF publications for BaseJumper, coordinate additional features and deployments [TBD]
- Coordinate CWT ESGF integration and cluster use [TBD]
- Tracking and Feedback design presentation [October] prototyping [December] based on requirements
- Node Manager:
 - Testing and deployment at additional test-fed sites [ongoing]
 - Implement Secure communications [October]
 - Design [November] and Implement [December] protocol for node verification
 - Production deployment possible [December]
 - Integration into ESGF installer [November]
 - Gather more experimental data [October]
 - Paper draft [November]
- Install script, additional features, CMIP6 project, and CV work refinement for publisher [November]
- Setup working publication service for ACME at LLNL on pcmdi11 [October] aims3 [November]

Resources Required to Achieve Goals

- IWT lead support needed to push NM changes to esgf-intaller repo, distribution servers
- Coordination with WGCM WIP on tracking and feedback
- List-facet support needed in THREDDS for CMIP3-6 publishing (Luca coordinating with Unidata team)
- Coordination with Denis on CV API
- Jason available for replication work
- Sam has time to work on HPSS/BaseJumper