

Jason, Boutte
Supported Projects: ESGF

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

Quarter Accomplishments:

- Implemented initial ESGF CWT end-user API with automated testing through GitHub Travis CI [July 2016]
- Implemented majority ESGF CWT end-user API along with test coverage [August 2016]
- Updated ESGF CWT WPS to conform to the newest API [August 2016]
- Removed ESGF CWT WPS flask implementation in favor of Django [August 2016]
- Updated ESGF CWT WPS demo page to include access to update features from the API [August 2016]
- Documented published datasets on ESGF that contained files missing checksums [August 2016]
- Various bug fixes for ESGF CWT end-user API dealing with compatibility with ESGF CWT WPS server [September 2016]
- Documentation of ESGF CWT end-user API [September 2016]
- Redesigned and implemented ESGF CWT WPS processes in preparation for workflow implementation [September 2016]
- Created Docker container and docker-compose file for ESGF CWT WPS [September 2016]
- Added OpenID authentication through MyProxyClient for ESGF CWT WPS [September 2016]
- Added automated testing for ESGF CWT WPS [September 2016]
- Generated SHA256 checksums for published files missing them [August 2016]
- Updated ESGF mapfiles with corrected product names and appended new checksums [August 2016]
- Started verifying checksums of replicated files on gdo2 that are unpublished, using Jeff Painter's database [August 2016]

Next Quarter's Roadmap

- Work with CWT to get end-user API working with various servers [October 2016]
- Finish implementing Gridder and Mask for ESGF CWT WPS [October 2016]
- Implement workflow for ESGF CWT WPS [October 2016]
- Finished verifying checksums of unpublished replicated data [October 2016]
- Verify we no longer have any published files without checksums [October 2016]
- Learn publishing process [October 2016]
- Implement addition ESGF CWT WPS processes (Ensemble analysis, variance, etc) [October 2016]

- Retrieve files from unpublished datasets that have failed checksums [November 2016]
- Determine and start additional CMIP5 replication [November 2016]
- Begin designing/talking about federated processes for ESGF CWT WPS [December 2016]
- Prepare CMIP2 publication for Tony [December 2016]

Resources Required to Achieve Goals

- N/A