

Denis, Nadeau
Supported Projects: (PCMDI)

Quarterly Report for January 1, 2016 – March 31, 2016

Quarter Accomplishments:

- **March 2016**
 - Finalize CMIP6 tables for CMOR 3.1.
40 CMIP6 tables were created to handle all experiment and all frequencies. Tables are updated when Martin Juckes from UK create a new version of his database.
 - Update CMOR user guide for CMIP6. Rewrote some CMOR 2 related paragraph and add more CMOR 3 related information.
 - Custom support on CDMS2. Help with MPI parallelization API, and created a unittest.
 - Participate to the Spring 2016 Computation Hackathon to install UV-CDAT using Anaconda. The project was a success.

- **April 2016**
 - Created XLS files using different experiments for Karl Taylor review using Martin Juckes dreq.py program.
 - Created Anaconda installation package for CMOR 3.0 alpha
 - Fix "udunits2.xml" path difficulty using anaconda by setting UDUNITS2_XML_PATH environment variable.
 - Installation of CMOR 3.0 alpha on crunchy for testing purpose

- **May 2016**
 - Fix issues submitted by users in CMOR 3.1
 - Re-organized all issues using milestone in GitHub.
 - Update Control Vocabulary API for CMOR 3.
 - Make sure that all CMIP6 attributes are controlled properly using this [google document](#).
 - Write CMOR 3 documentation and create a web site using Jekyll documentation template. I installed Jekyll on crunchy and created this site. (<http://cmor.llnl.gov>)
 - Release of CMOR 3.1 I sent a notification to different mailing list about the release.
 - Fill up e-qip form for background investigation process.
 - Assist Paul Durack in Input4MIPs data creation using CMOR 3.

I took the oath and became an American Citizen on April 20th.

I submit a e-qip form and met Lori Greco to start the background investigation process.

I attended to the Boulder, CO to the netCDF CF-1 workshop on the week of may 23rd. My computer was changed from the blue network to the yellow network.

Next Quarter's Roadmap

- Publish and deliver CMOR version 3.1.1 with fixed issues.
- Publish and deliver CMIP6 Validator.
- Create obs4MIPs template so users can convert their data using CMOR 3.1 and assure CMIP6 compliance.
- Update CDMS to Numpy 1.11 (or latest)
- Update CDMS slicer to retrieve data faster.

Resources Required to Achieve Goals

- I would like to have a PC desktop and install VMware. My Mac is starting to have difficulty compiling sometimes due to pulling more and more memory.