Denis, Nadeau
Supported Projects: (PCMDI, ESGF/CDMS)

Quarterly Report for July 1, 2016 – September 31, 2016

Quarter Accomplishments:

- **July 2016**
    - Update CMOR3 tables to version 01.beta.34.
    - Release 3.1.1 --- first version of CMIP6Validator.py.
    - Work with Sasha Ames to add the CMIP6 Validator to the ESGF Publisher.
    - CDMS works on "numpy.mean()" function bug (not resolved).
    - Give user support on CMOR through github.
    - Appraisal was done with Eddy Bank for my 1st year anniversary.

- **August 2016**
    - Create CDMS doc using sphinx and commit to github.
    - Submitted an abstract to Fall AGU in San Francisco.
    - Submitted an abstract to AMS in Seattle.
    - Submitted 2 abstracts 1 poster and 1 talk to the ESGF Face-2-Face meeting in DC.
    - Write CDMS white paper and sent to Jay Hnilo
    - Move CDMS into own github repository.
    - Give user support on CMOR 3.1
    - Meeting with Sylvie Joussaume about CMOR for PCMDI.

- **September 2016**
    - Work on Numpy 1.11 with CDMS.
    - Add Numpy broadcast functionality to CDMS.
    - Telecon about CMIP6_Validator with ESGF publisher team.
    - Git Support to PCMDI about obs4MIPs project.
    - Continue to work on Control Vocabulary for CMIP6.
    - Released CMOR 3.1.1 and 3.1.2.
    - Fix netcdf4 chunking in CMOR for coordinate variables.
    - Give user support on CMOR.

I completed the lab training, which was due last July.
My LLNL status has been converted to Career Indefinite (IN).
Install/configure new desktop machine.

Next Quarter's Roadmap
- Finalize CMOR Control Vocabulary file for CMIP6.

- Revise and update cmor.llnl.gov website.
- Split all CMOR tables to extract variables, axes and formula variables.
- Add axes to CMOR tables using Marting Juckes database instead of CMIP5 old tables.
- Finalize CDMS documentation and update web site (merge API and update current online documentation).
- Prepare and Present a paper to the AGU conference in San Francisco.
- Prepare a CDMS poster about the ESGF Face-2-Face meeting.
- Prepare a talk about the CMIP6 Validator to the ESGF Face-2Face meeting.
- Update CDMS slicer to retrieve data faster.
- Continue to work on parallelization of CDMS.