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Supported Projects: AIMS, ESGF, UV-CDAT and PCMDI
Quarterly Report for January 1, 2018 – March 31, 2018

Quarter Accomplishments:

CMOR

- Release CMOR 3.3.1 on February 14th.
 - Use the final filename (rather than the temporary name) when renaming the file after CMOR has completed its work, so that subsequent files having the same name as the final filename can be written.
 - Add “integer” missing value in tables and validation within CMOR code.
 - Add tests for different “branch time” metadata to assert that the type is double.
 - Fix filename climatology issue for obs4MIPs project.
 - Fix external variable metadata issue.
 - Fix “conda” update issue during the release.

- Release CMOR 3.3.2 on February 28th.
 - Merge Guillaume branch to check return error code in PrePARE.
 - Found a bug introduced in filename when working on climatology issue for osb4MIPs in version 3.3.1 The issue has been fixed.
 - Answer questions to IPSL and CNRM users.

- Update CMOR3 tables using Martin Jukes' database as notified.
 - 01.00.20 (January 15th)
 - 01.00.21 (February 14th)
 - 01.00.22 (March 7th)
 - 01.00.23 (March 21st)

CDMS

- Finalize CDMS documentations in Read-the-docs.
 - <http://cdms.readthedocs.io/en/cdmsdocsmerge/>
- Add possibility to use a “map” file in CDMS ESMF regridding.
 - Tested with E3SM and compared with NCO regridding with no difference.
- Fix NPY_STRING for ESMF regridding.
- Fix mask comparison in CDMS using latest Numpy 1.14

E3SM

- Work with Sterling to “CMOR-ize” E3SM native files within the workflow.

Next Quarter’s Roadmap

- Investigate ZeroMQ integration to ESMF (NASA request).
- Continue to fix numerous CDMS issues (67).
- Give support to CMOR users.