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Supported Projects: ACME ARM

Quarterly Report for October, 2017 – Jan, 2018

Quarter Accomplishments:
- Released the v1.1.1 of E3SM diagnostics package, with a new set of diags: summary table.
- Released the v1 of ARM Diagnostics package with basic metrics and diagnostics, with v1 technical report
- Attended ESGF face to face conference and presented E3SM diagnostics package.

Next Quarter's Roadmap
- Continue to expand the E3SM diagnostics following our Roadmap (see attached plan for next 6 months)
- Expand ARM diagnostics by including more ARM sites
- Create a central place to host all the observational datasets for E3SM

For the next 6 months, our plan:
- Add New Diags sets
  - Pressure-longitude map (AMWG set 4a)
  - Table (AMWG set 1)
  - Taylor Diagram (AMWG set 14)
  - Selected Stations (for ARM diags and AMWG 12,15,16)

- Add Obs/Reanalysis Datasets
  - Maintain an observational data repo which does version control, mirror to multiple machines.
  - Create new datasets and new variables

- Maintain production quality of software
  - Documentation: tutorial, examples
  - User support
  - Test suite
  - Provenance capture
  - Improve Viewer

- Optional: Accommodate CMIP data