

Stage-1-3

Remove CAMSURF, COUP_CSM and COUP_SOM ifdefs

CAMSURF

Remove CAMSURF ifdefs – provided needed simulations are done.

This part was checked in as CAM3.2.12

Resolve COUP_CSM ifdefs in following:

Some of this was already done on the subrt branch.

Some of the following will be ok, but big parts of COUP_CSM code

will need to be moved to methods inside of ccsmsg. Some restructuring of ccsmsg will also need to be done. We'll also add a #ifdef called COUP_DOM to replace some of the #ifndef COUP_CSM

ifdef currently in place.

Ideal-engineering days: 1.5 weeks.

- abortutils - ok
 - cam – move cpl_interface calls to ccsmsg methods
 - ccsmsg – ok
 - history – move CPL addfld calls to ccsmsg.
 - initext – ok
 - mpishorthand – ok
 - restart – OK
 - rstwr – ok
 - runtime_opts – create namelist _opts methods for ccsmsg.
 - spmdinit (later)
 - inidat - ok
 - initial – ok
 - stepon – move ccsmsg call outside, make ccsmsg stop logic more similar
 - co2_cycle (later)
 - diagnostics – move ice/ocn addfld, add_default, outfld calls to relevant location, always output, ?BOT, QREFHT, store PSL?
 - comsrfdiag – ok
 - physpkg – move location of surface output calls so doesn't appear in stepon.
 - restart_physics – create ocn read_restart, write_restart methods, figure out how to handle fsnt, flnt, flns
 - srfxfer – Remove PRECLav, PRECCav outfld calls, always calc rho and netsw.
- Resolve COUP_SOM ifdefs in following
- initext – ok
 - history – move addfld, add_default, calls to SOM code.
 - runtime_opts – Create som_opts methods for namelist items.
 - comsrfdiag – ok
 - diagnostics – move outfld calls inside of som or dom code.
 - physpkg – ok
 - restart_physics – create write_restart read_restart methods for dom/som