

CCSM-ESMF Stage 1 Dynamics restructuring

See notes on release schedule for [Stage-1-6](#)

In keeping with the CCSM/ESMF Stage 1 Architecture design document we propose the following framework:

ESMF Level Dynamics Component:

This level would only be used in atmospheric components that use ESMF. The initial Stage-1 would not include this level.

```
atmdyn_gridcomp.F90
use camfvdyn_comp, only: fvdyn_init, fvdyn_run, fvdyn_final
!
contains
subroutine atmdyn_register
subroutine atmdyn_init( )
  call camfvdyn_init( dtype )
subroutine atmdyn_run( )
  call
subroutine atmdyn_final( )
end
!Specific dynamics level

!
! When dynamics types are available the following would be added
!
use camfvdyn_t, only: dyn_in_t, dyn_out_t
```