Dynamical core

"Before-coupling" parameterizations (subroutine tphysbc)
- Mass and energy fixers
- Dry adiabatic adjustment
- Deep convection
- Shallow convection, turbulence, and stratiform cloud macrophysics (subcycle xx)
- Turbulent mixing of aerosols and cloud drop number; activation of aerosols (subcycle xx)
- Stratiform cloud microphysics (subcycle xx)
- Convective transport and below-cloud removal of aerosols
- Radiation

"After-coupling" parameterizations (subroutine tphysac)
- Nudging
- Gravity wave drag
- Aerosol dry removal
- Rayleigh friction
- Applying surface tracer fluxes
- Chemistry and aerosol microphysics
- Emissions

Coupler

Land, ocean, sea ice, etc.