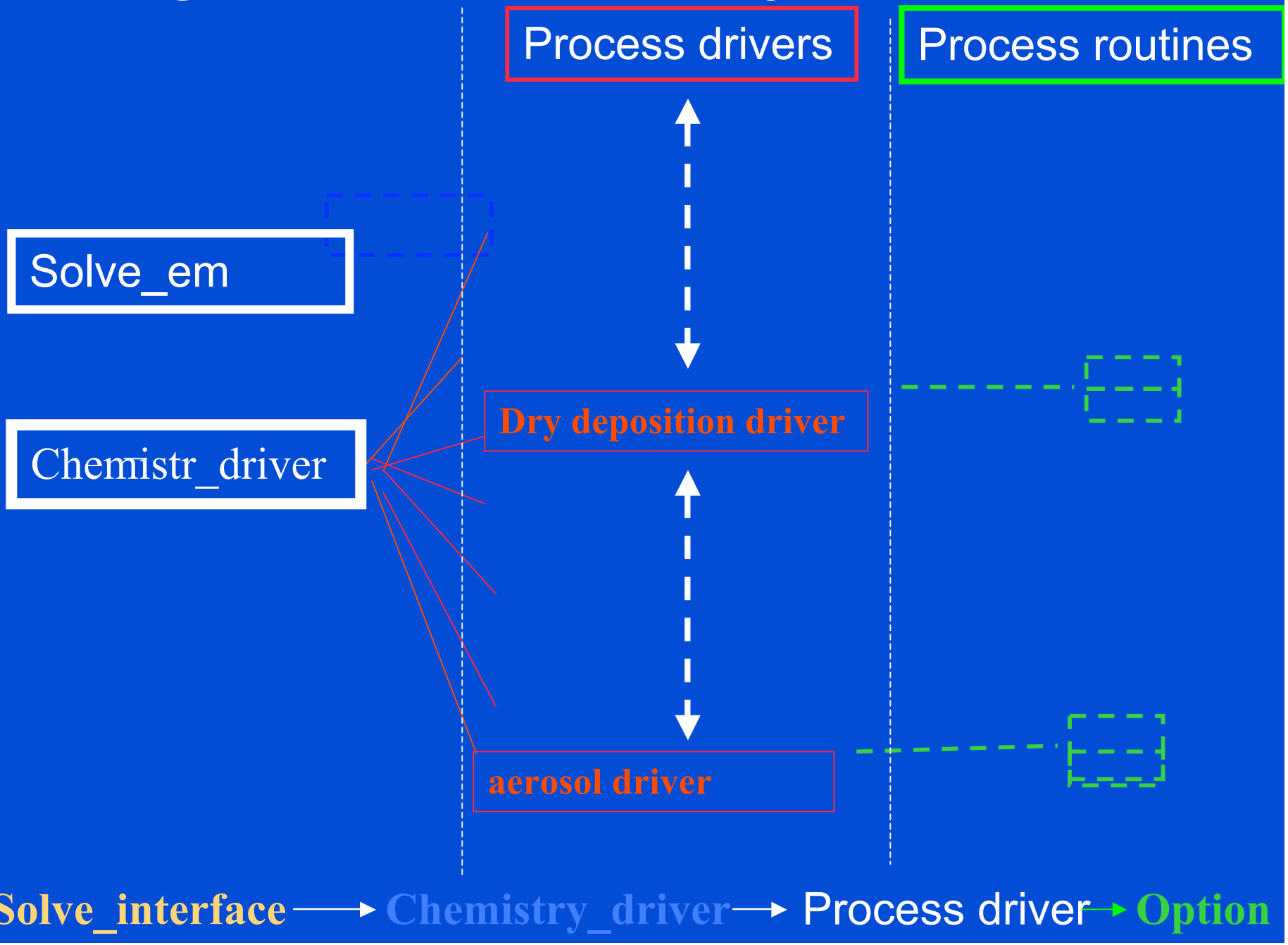
Organization of chemistry within WRF



WRF/Chem Registry (registry.chem)

```
state   real  e_so2     i+jf    emis_ant  1     Z    i5h   "E_SO2"   "EMISSIONS"     “units“
```

Will cause the emissions array for e_so2 be in the 4d array emiss_ant (I,k,j,nspecies), where nspecies would be p_e_so2, it will be an input (i) and ouput (h) variable

```
state   real  dep_vel_o3   ij     misc      1       -     h       "DEP_VEL"           "deposition velocities for o3“  “”
```

Will cause the variable dep_vel_o3 of ij dimension to be available in the chem_driver. It will also be on output. Taking out the “h” will take it away from the output. Adding an “r” to make it “hr” will make it appear in the restart file

In the chem_driver it will be known as grid%dep_vel_so2

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