Co-processing component (ParaView/Catalyst)

1. Initialize individual model components and driver
2. Transfer component grids and field information
3. Define grids and fields
4. Run models and connectors
5. Redistribute field data to co-processing

The driver - RegESM (ESMF, NUOPC)

6. Run
7. Finalize
8. If co-processing ends
9. If simulation ends

Time stepping loop