```
FAST_OpFM_Init
sc->init
sc->calcOutputs(scOutputs)

FAST_OpFM_Solution0
fillScInputsGlob()
```

```
FAST_OpFM_Restart
sc->readRestart(nt_global)
```

```
for(nt=ntStart,nt<=ntEnd,nt++) {

    if(writeRestart)
            FAST_CreateCheckpoint
            sc->writeRestartFile(nt_global) // only proc 0

    sc->calcOutputs(scOutputs // get sc output for time step 'n'
    FAST_step // Go from 'n' to 'n+1'
    sc->updateStates(scInputs) // Go from 'n' to 'n+1'

    fillScInputsGlob()  // Get inputs to sc for 'n+1'
}
```