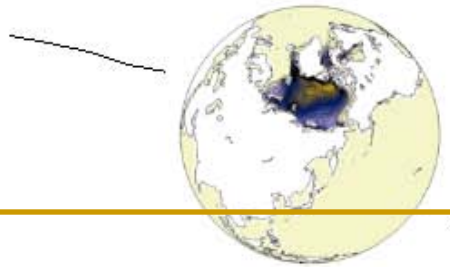


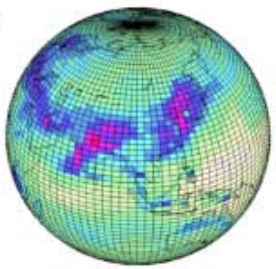
libIGCM, operational running environment for ESM and its components.

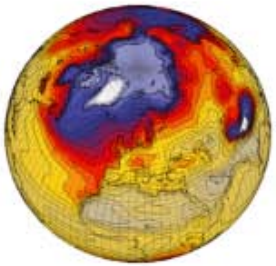
Sébastien Denvil (IPSL, France)

Martial Mancip (IPSL, France)

Patrick Brockmann (LSCE, France)

IGCMG





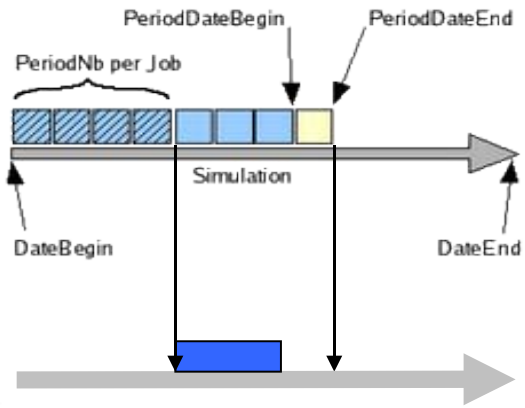
Institut Pierre Simon Laplace

IGCMG - IPSL Global Climate Modelling Group

Pourquoi construire un SRE ?

- Simplicité
- Standards et conventions
- Portabilité
- Calendriers, fréquences variables
- Configurations
- Généricité : composantes
- Post-processing (deporté ou non)
  - Time series et MONITORING
  - Moyennes saisonières et figures

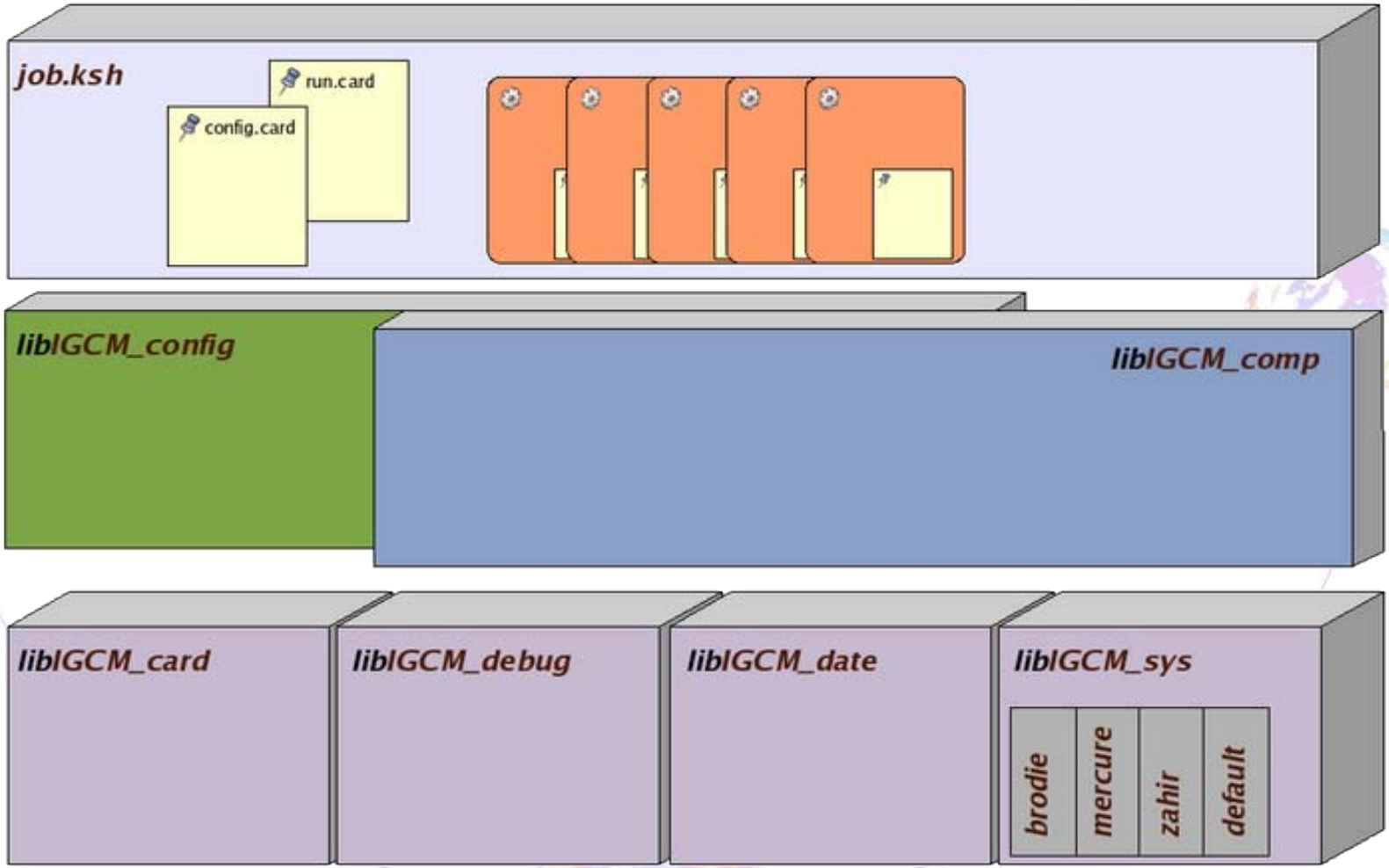
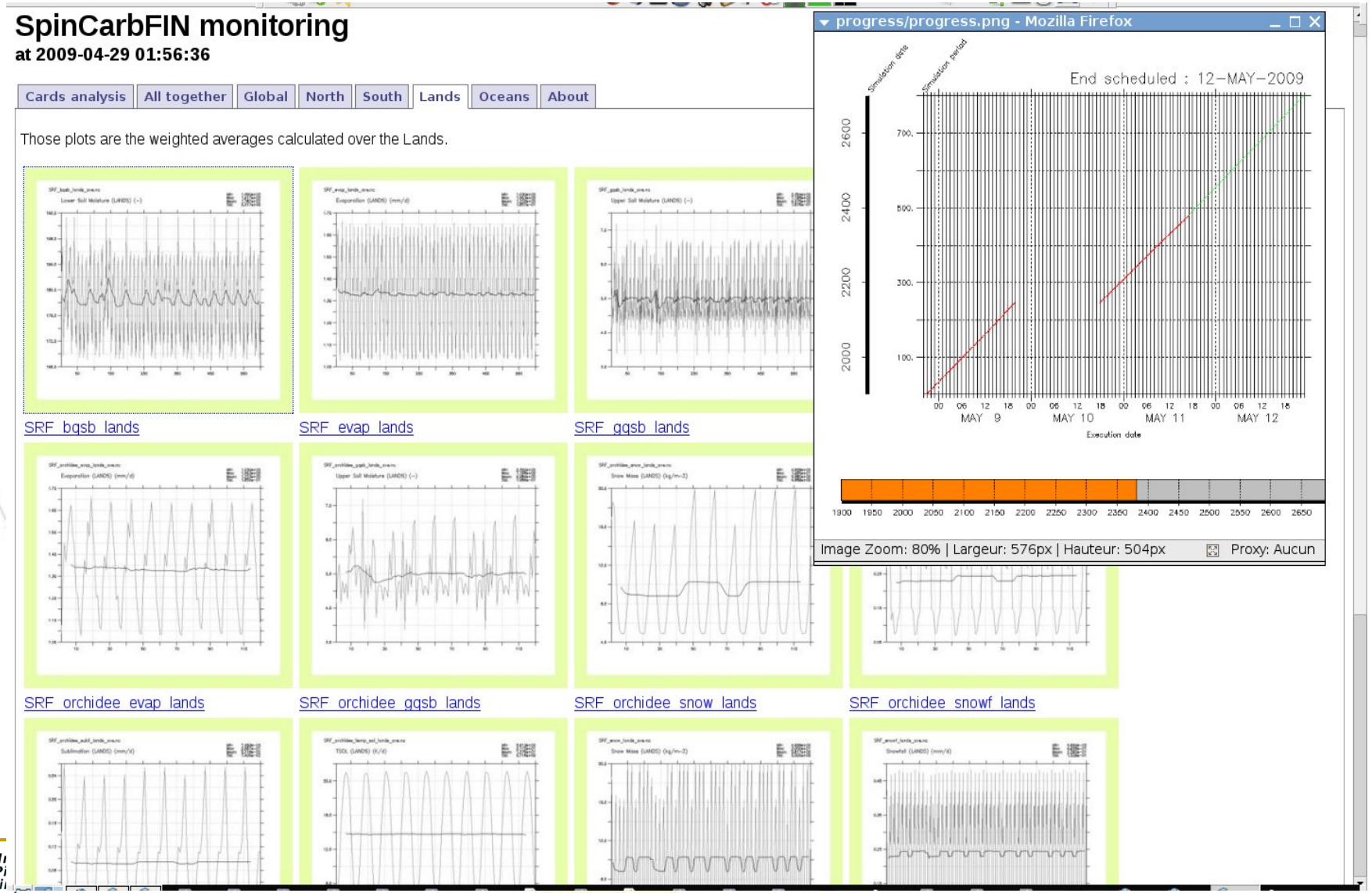
Le job



job.ksh

```
IGCM_config_Initialize

IGCM_comp_Initialize

IGCM_config_Check

cd ${RUN_DIR}

Period=1
while [ ${Period} -le ${PeriodNb} ]; do

        echo "Starting iteration ${Period}"

        IGCM_config_PeriodStart

        IGCM_comp_GetInitialStateFiles
        IGCM_comp_GetBoundaryFiles
        IGCM_comp_GetParametersFiles
        IGCM_comp_GetRestartFiles

        IGCM_comp_Update

        ${MPIRUN_COMMAND} ${MPIRUN_OPTIONS} ./${Config_Executable_Name}

        IGCM_comp_PutRestartFiles
        IGCM_comp_PutOutputFiles

        IGCM_comp_Finalize

        IGCM_config_PeriodEnd

        echo "Ending iteration ${Period}"
        (( Period = Period + 1 ))
        (( CumulPeriod = CumulPeriod + 1 ))
done

IGCM_config_Finalize
```

Les cartes et le système



Is it working ?