

libIGCM, operational running environment for ESM and its components.

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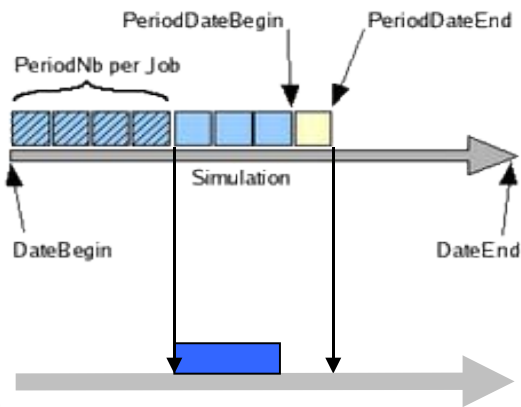
Patrick Brockmann (LSCE, France)

IGCMG

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 saisonnières et figures

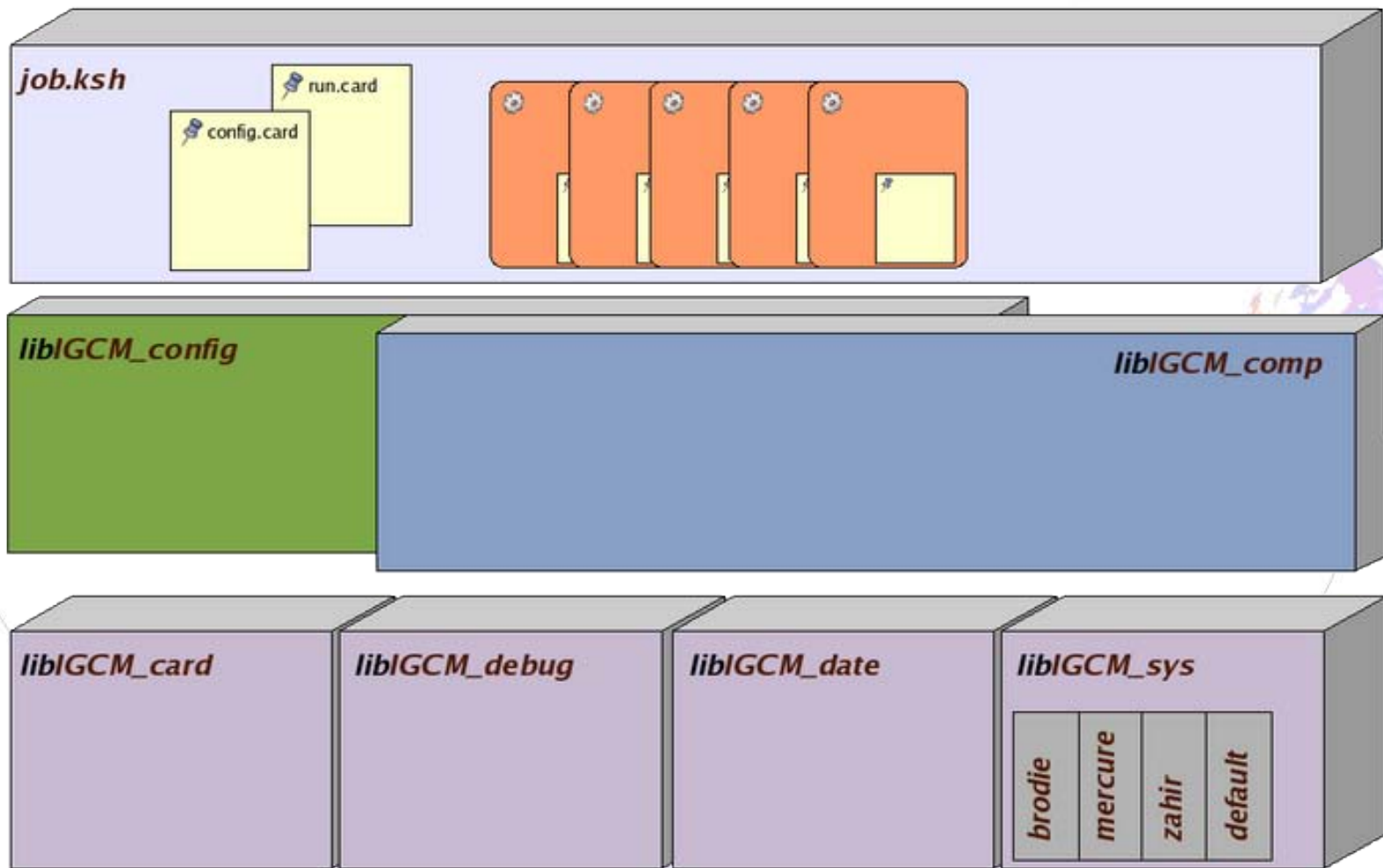
Le job



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



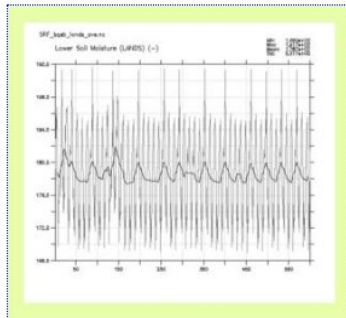
Is it working ?

SpinCarbFIN monitoring

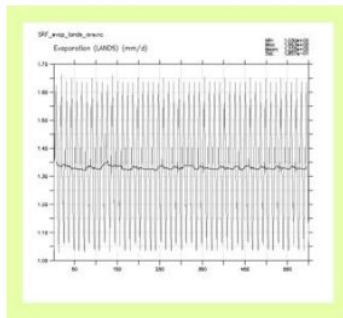
at 2009-04-29 01:56:36

[Cards analysis](#) [All together](#) [Global](#) [North](#) [South](#) [Lands](#) [Oceans](#) [About](#)

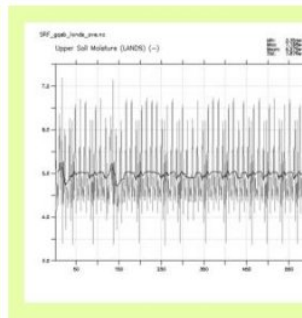
Those plots are the weighted averages calculated over the Lands.



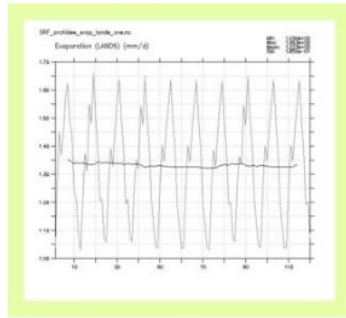
[SRF bqsb lands](#)



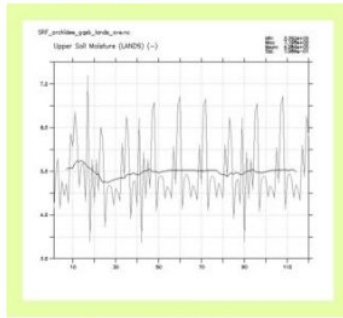
[SRF evap lands](#)



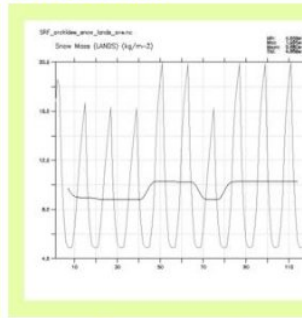
[SRF gqsb lands](#)



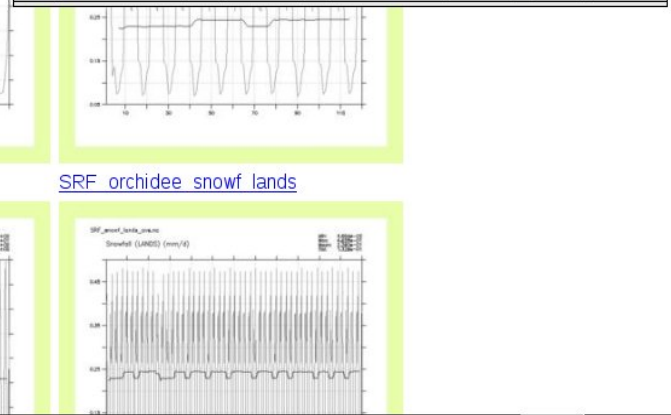
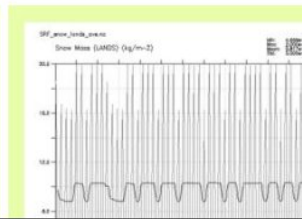
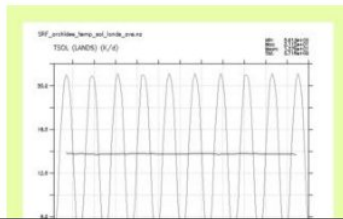
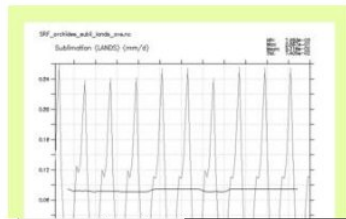
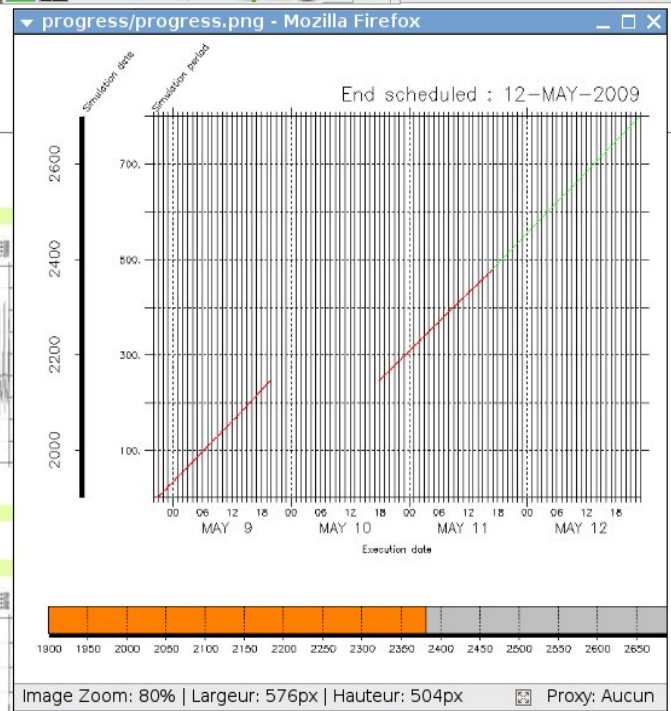
[SRF orchidee evap lands](#)



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[SRF orchidee snow lands](#)



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