

How work with a config copied

Context : use your own config or the config of someone else

Protocol : You need to copy modipsl directory

1/ verify version of libIGCM

Svn info (if it's different of v2.0_beta** change it)

2/ cleaning libIGCM

```
cd libIGCM
```

```
rm -f *.job (be careful to not remove AA_job)
```

```
cd modipsl/util ; ./ins_job
```

3/ prepare makefile

```
cd modipsl/config/***/
```

```
mv Makefile Makefile_old
```

```
cd modipsl/util; ./ins_make
```

```
cd modipsl/config/***/
```

```
diff Makefile Makefile_old (eventually add change from  
Makefile_old)
```

```
gmake clean (clean all library, executable, fcm directories)
```

```
vi .resol; gmake (or gmake new_resolution)
```

4/ prepare experiment directory

```
cp EXP_orig EXP_new
```

```
cd EXP_new
```

```
rm -f run.card Script_output_* Job*
```

```
cd ../../../../util; ./ins_job
```

```
cd modips1/config/***/EXP_new
```

5/ verify card

```
grep -r DMFDIR *; grep -r CCCWORKDIR *; grep -r  
CCCSTOREDIR *; etc...
```

Or

```
grep -r DIR (dmfdir, cccworkdir, cccstoredir etc...)
```

→ change path if it's necessary

Input files

- In card (lmdz, inca, orchidee) there are path for files by default
- INCA's input files :
 - sflx.nc : you need to recreate it with your own emissions. Use IncaSflx (see with Didier Hauglustaine)
 - All files by default are stored in :
`/ccc/work/cont003/dsm/p86ipsl/IGCM/INIT/CHM/LMDZORINCA/...`

- Nudging input files :

- winds (u.nc, v.nc, and 10 meters winds). They depend on resolutions, on year and month. (p24data - subipsl group) . See with me.
- They are stored in /dmnfs/cont003/p24data (/ccc/work/cont003/dsm/p24data)
- There is a copy for 96x95 in :
/ccc/work/cont003/dsm/p86ipsl/IGCM/BC/ATM/LMDZORINCA/LMD9695

- LMDZ's input files :

- Boundaries conditions : limit.nc (sic - sstk). It's depends on year. See with me
- There are stored in :
/ccc/work/cont003/dsm/p86ipsl/IGCM/BC/CHM/LMDZORINCA/

Tricks on orchidee.card

- Pftmap file (on orchidee.card) : it depends on year (directories before or after 2006)
- Smoothfile : if you start your simulation after january and you finish after december : you need to changer parameter of smoothfile (12:12:)
 - For exemple if you start in september you will have (4:12:)

Tricks on output tree

Change classification tree :

- Actually : IGCM_OUT/LMDZORINCA/AER/JobName
- You can have two new levels : SpaceName and ExperimentName

→ change config.card by adding :

SpaceName=TEST (DEVT/PROD)

ExperimentName= ****

TagName=LMDZORINCA/\${CHEM}

Be Careful

- SpaceName and ExperimentName are linked together, you can't have one without the other
- In this case you can't have any underscore (_) in your JobName

News

- Card for 144x142x39 (this week on LMDZORINCA_WORK)
- Card for 144x142x19 Zoom Europe and Asia (in few weeks)