CNRM-CM technical environment is documented at http://www.cnrm.meteo.fr/cm

Directory holding what is necessary to ECLIS

(so, excluding the model binaries, model data dirs, namelists and restarts)

Of interest to the standard users :

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params   : examples of parameter files used to define an experiment.

         These files are self-executables

      SEE params/param_exemple FIRST

testing/tori : more examples, covering all configurations; they are

        working examples (at time of writing), but you must change

           the PATH for installer (change dev/cm to an installed version

           of the cnrm-cm package)

plugins : standard sets of commands for tuning CNRM-CM, e.g. do some

        post-processing, add chemical scheme....

scripts/instexp_nemo :

scripts/instexp_force :

scripts/instexp_couple :

        the scripts that do prepare a simulation run, either in forced or coupled mode

scripts/delexp : for deleting all files of an experiment (on archive and supercomputer)

scripts/cm_files : for managing experiments outputs and restarts

toolbox/run_functions.sh : a set of script functions useful when tuning CM behavior

Less frequently useful explicitly :

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cm_setup : automatically invoked when launching the experiment. You can source it too

scripts/script_couple, scripts/script_nemo and scripts/script_force : the scripts

launched by relan and which actually process a number of month of the simulations

toolbox : a set of scripts and binaries used by the scripts above

For installing ECLIS elsewhere (except model binaries!)

1- use Bourne like-shell on the target system front-end, if possible

2- copy this whole directory to say, CMDIR

3- adapt script cm_environment using the entry "ada" as an example;

  you will set there MTOOL_HOST

3b- in mtoolrc/include and mtoolrc/profile, create a set of files

  mimicking files *ada*; new files should be named the same way, but

  replacing 'ada' with '$MTOOL_HOST'

4- create $CMDIR/../bin, with binaries datres, flio_rbld and

  post_river. If you do not need Trip output nor Nemo Outputs, the two

  latter are not useful (but but LRIVOUT=0 and LOCEOUT=0 in your param

  files). For datres, you may have find help using toolbox/datres.sh

5- You may have to copy to Ext_tools/ the mtool directory used on a

  MF machine, if the present directory does not contain one.

6- That's all folks ! (hopefully). Please provide feedback to senesi@meteo.fr

For administrators :

Ext-tools : sources of Mtool and relan. Mtool is used for experiments

        job splitting, and relan for controlling time loop on

        multi-month jobs

mtoolrc : input files for Mtool