

ENM

LINUX PC

login
pwd

ssh -X -l login sxmosa1.cnrm.meteo.fr

CNRM

LINUX SERVER
sxmosa1

login
pwd

Namelist preparation
Experiment setup
Job submissions to
ANETO
Graphics
...

qsub, qstat

LINUX CLUSTER
ANETO

Computations only !

job structure

```
job2 (/mnt/srvdisk/sxmosa1_home/lemoine/aneto/isba) - GVIM3
Fichier  Edition  Outils  Syntaxe  Tampons  Fenêtre  Aide
[Icons]
#PBS -N isba
#PBS -l pmem=5gb
#PBS -l cput=00:10:00
#PBS -l nodes=1:ppn=1
#PBS -b 1
#PBS -j oe
#
export F_RECLUNIT=BYTE    # taille des records en BYTE (et non en WORD)
export F_SETBUF=10240    # unformatted I/O optimisation
export F_FTRACE=yes
export F_FILEINF=yes     # or detail # I/O measurement
#
export LD_LIBRARY_PATH=/opt/gfortran/lib64
=====
set -x
cd $TMPDIR
date
#
# =====
# PGD
# =====
rcp lemoigne@sxmosa1:/home/lemoine/aneto/binaries/PGD pgd.exe
rcp lemoigne@sxmosa1:/home/lemoine/aneto/isba/OPTIONS.nam  OPTIONS.nam
#
./pgd.exe
#
ls -l
#
rcp PGD.txt lemoigne@sxmosa1:/home/lemoine/aneto/isba/PGD.txt
rcp LISTING_PGD.txt lemoigne@sxmosa1:/home/lemoine/aneto/isba/LISTING_PGD.txt
#
date
~
~
```

rcp from sxmosa1 to aneto

rcp from aneto to sxmosa1

sxmosa1 server

```
cp ../lemoine/aneto.tgz .
```

```
tar zxvf aneto.tgz
```

aneto	→	1D Flake example
-- alqueva	→	tools and surfex binaries
-- binaries	→	2D hirlake example
-- hirlake	→	1D isba example
-- isba	→	physiography tests
`-- test_pgd		
-- cuba		
-- japan		
-- parisl		
`-- spitzberg		

```
cd $HOME/aneto/
```

stand alone surfex

Run an experiment where the atmosphere is imposed :

air temperature, humidity, wind speed and direction, precipitation (liquid+solid), shortwave and longwave incoming radiation

1. prepare physiography
2. prepare initial conditions for the run
3. run the model

