XRegCM: Graphical User Interface for RegCM

Before installation check steps below:

1. Be sure RegCM3 works on your machine without any error.

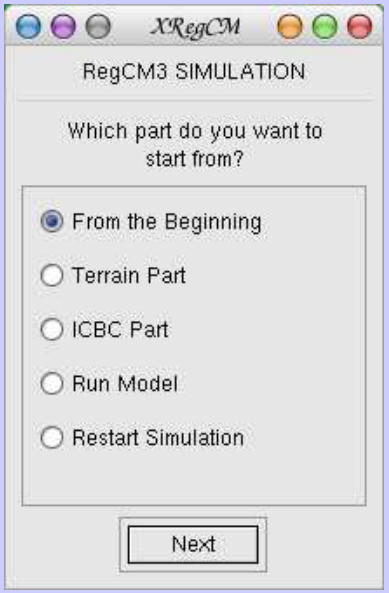
2. Be sure "Xdialog" program was installed on your linux distribution before.
(write "Xdialog" in console or terminal)

3. Be sure GraDS was installed on your linux distribution before.

Installation:

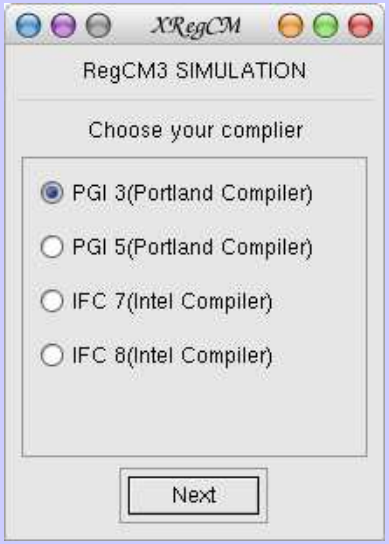
- Download and copy XRegCM in the RegCM directory.
- Untar XregCM:
- >tar xvf XRegCM_version_??.tar
  - >cd XRegCM

  >./xregcm



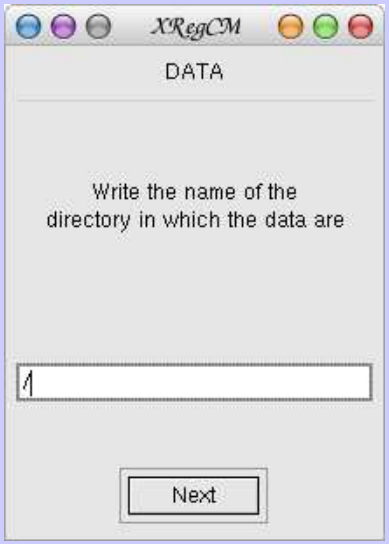
Which Part:

You can select any part you want. If you run first time RegCM, you have to start "*From the Beginning*". If you prepare your topography and ICBC before you can start from "*Run Model*". If you want to do restart-run, select *"Restart Simulation"*.



Choose Compiler:

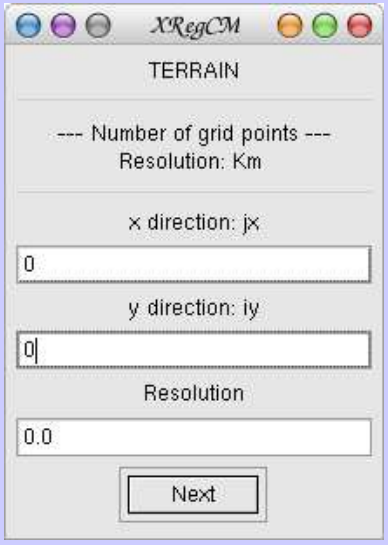
Choose compiler which you have.



DATA directory:

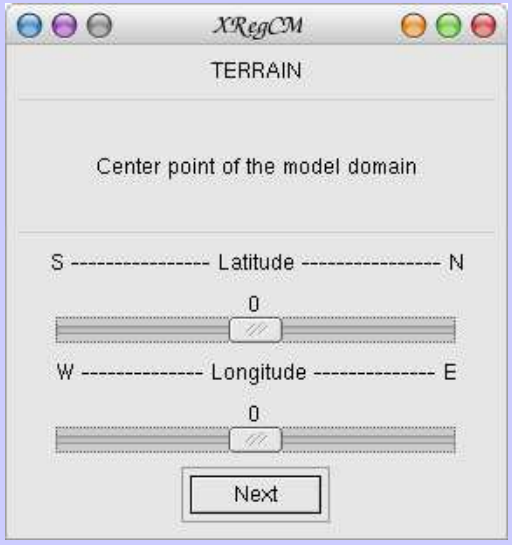
Write the name of the directory in which ECWCRP, NNRP1, NNRP2, SST, SURFACE ... directories are.

All the directories which i mentioned above should be in one single directory.



Terrain:

Define number of the x and y grid points and resolution



Terrain:

Define the center point of model using latitude and longitude

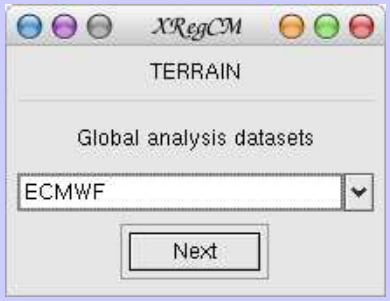
Options:

14

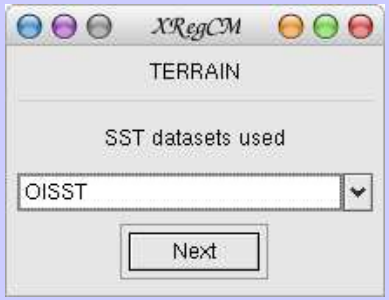
18

23

Options:
Lambert C.,
Polar St.,
N. Mercator,
Rot. Mercator

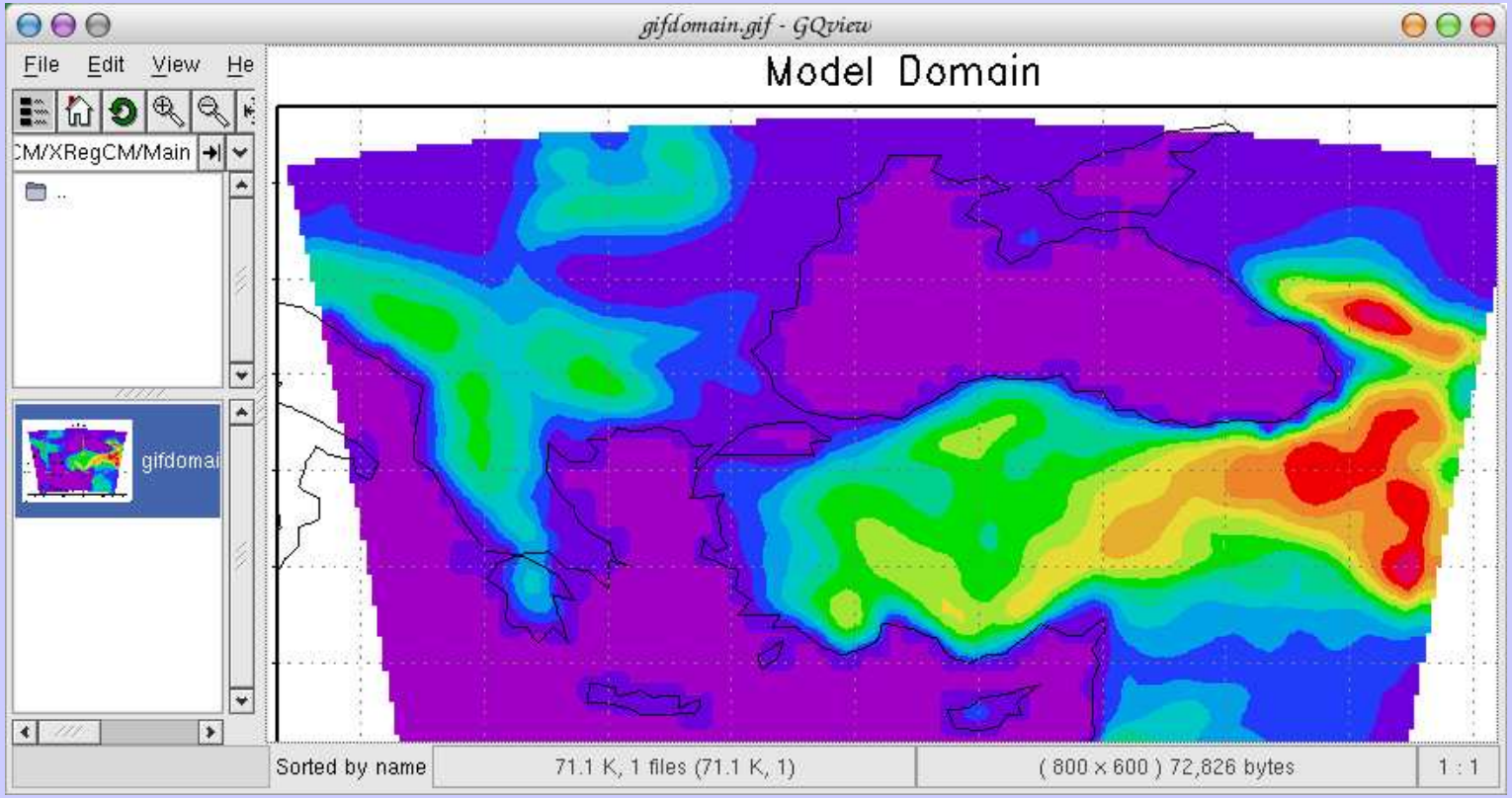


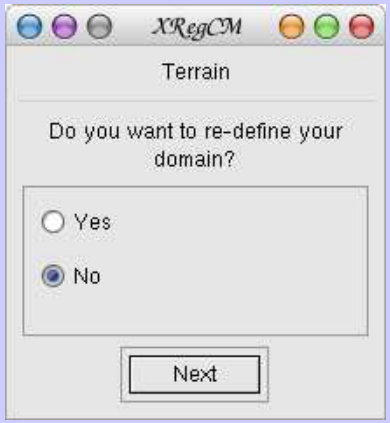
Options:
ECMWF
NNRP1
NNRP2
FVGCM
ERA40



Options:
OISST
GISST
OI_WK
OI_NC

Define beginning and ending dates of your simulation

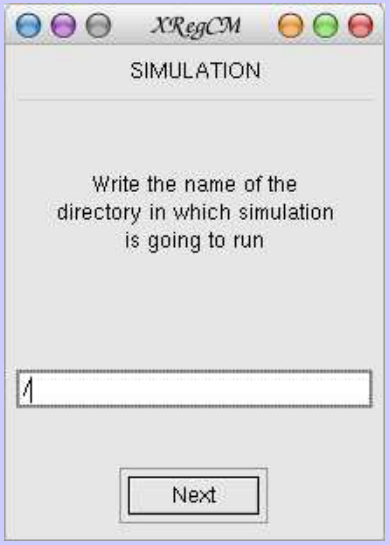




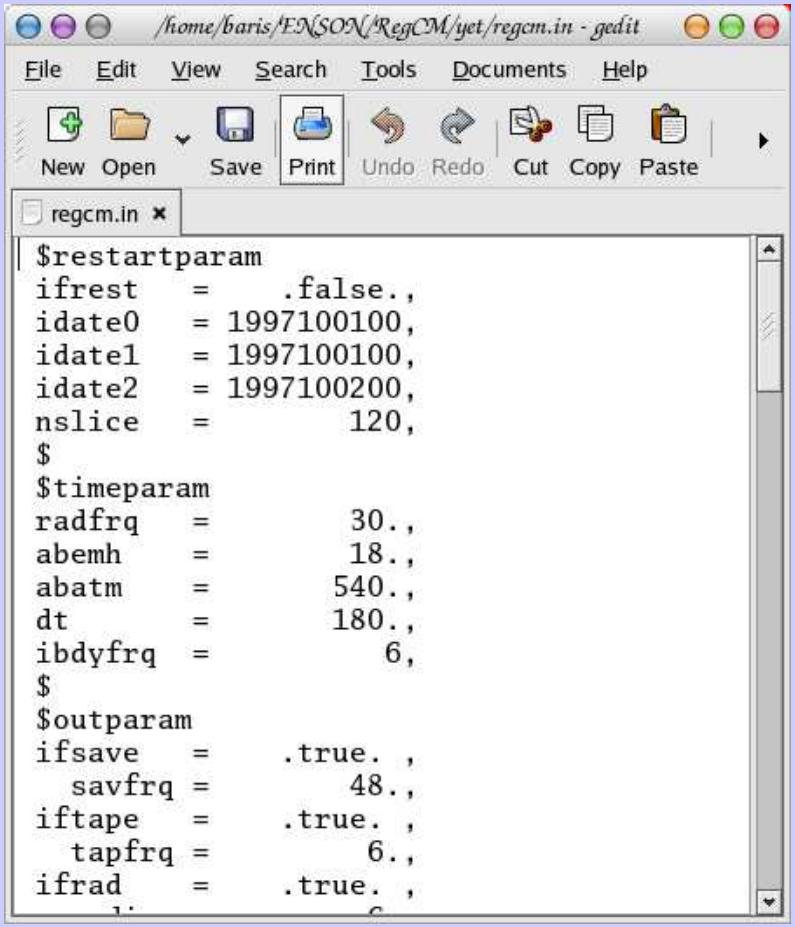
XRegCM prepare your domain “ht”(Surface Elevation) as a GIF file using GraDS. If you don't like your domain you can re-define your domain.

You don't need to do anything. Even next! ICBC is prepared.

During the ICBC part anything fails you get this error message.

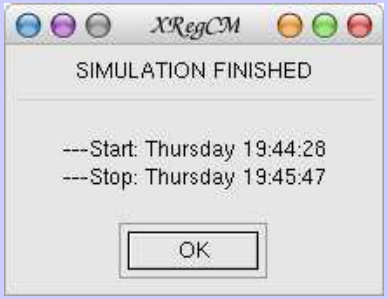


Write the name of the directory in which simulation is going to run. Don't erase slash “ / ” only write the directory name. Don't forget the directory name because you need this name for “restart run”.



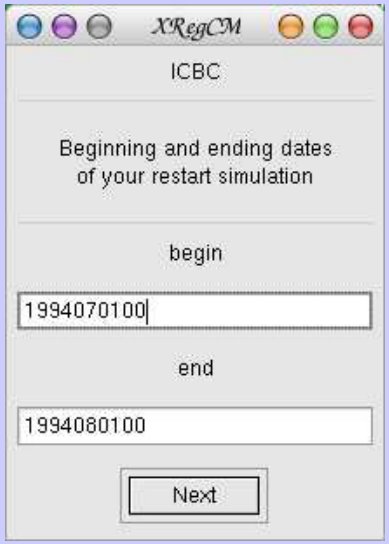
You can change any parameter and save the regcm.in file. I use to edit regcm.in file “Gedit” text editor. Be sure your linux distribution has *gedit* program. (type “gedit” in console or terminal)

Last exit from the highway!. Before the starting Regcm, check everything once more and RUN.

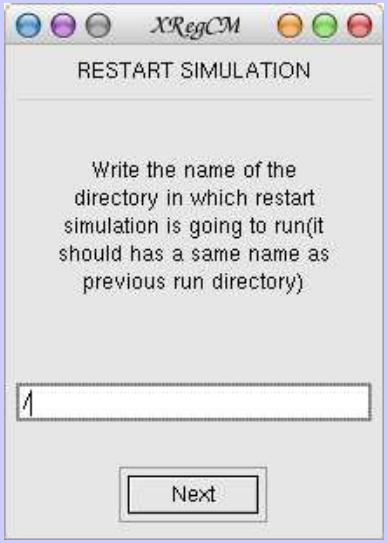


After finishing Regcm you get start and stop time of your simulation. You can calculate your simulation time.

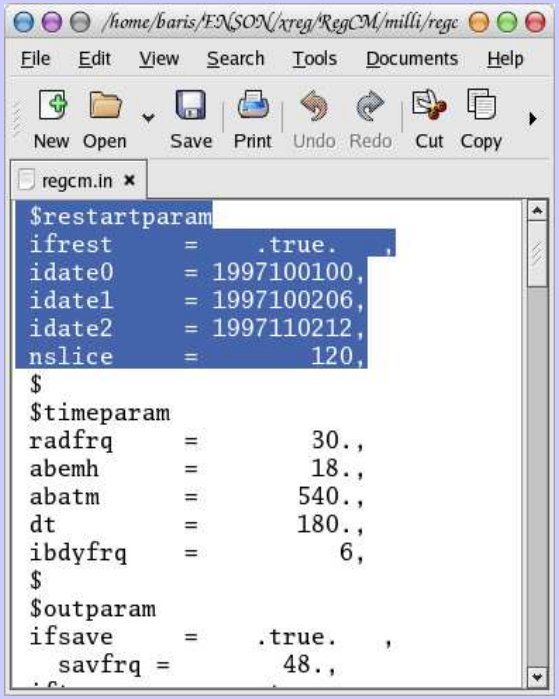
Restart RUN



In restart simulation beginning date should be same as ending date of the previous simulation.



Restart directory name should be same as previous simulation directory.



Check restartparam parameters. Especially IDATE1 and IDATE2.

XRegCM uses Xdialog program. If you want to run XRegCM on UNIX platforms like SUN or SGI you have to install Xdialog and GTK libraries.

http://fresmeat.net/projects/xdialog/

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