NetCdf, G++ and so on...

- 1. Install VirtualBox (https://www.virtualbox.org/wiki/Downloads) -> Gives Virtual Box application
- 2. Install Vagrant (http://www.vagrantup.com/ downloads.html) -> gives vagrant command in terminal
- 3. Create new folder and copy your C++ project there.
- 4. Go to this folder and run: vagrant init ubuntu/trusty64 (should create the Vagrantfile)
- 5. vagrant up (should download the box from ubuntu cloud and soon after start up the machine -> may take sooome time)
- 6. vagrant ssh (you should be now in vagrant machine, so here you can do whatever you like)
- 7. cd /vagrant/ shared folder. In here all the C++ files should be listed
- 1. sudo apt-get update
- 2. sudo apt-get install doxygen (for documentation)
 sudo apt-get install graphviz (for using dot in
 command line -> for drawing graphs needed by
 doxygen)
- 3. sudo apt-get install g++
 sudo apt-get install netcdf-bin (gives nc-config libs command, don't know if needed)
 sudo apt-get install libnetcdf-dev
- 1. head code/Makefile (to see exactly which command
 will make later on invoke.)
- 2. ld -lnetcdf --verbose (to check if the netcdf
 lib exists in system)
- 3. ld -lnetcdf_c++ -verbose (to check if netcdf_c++
 lib exist in system)
- 4. doxygen Doxyfile (by default create
 documentation in html folder inside docs folder)
 5. make clean

- 6. make dos-tem (links everything and created the DOSTEM executable)
- 7. cp config/sitecontrol_eq.txt config/
 sitecontrol.txt (DOSTEM needs it by default)
- 8. ./code/DOSTEM and the computation begins...