

LMDZ Training December 2020



Preparatory session 3/12/2020

Goal : have LMDZ compiled and running on your personal workstation and look at results

GoToMeeting link :

https://www.gotomeet.me/EMC3_LMDZ/pr%C3%A9paration-formation-lmdz

Information link :

<https://lmdz.lmd.jussieu.fr/utilisateurs/formation/2020>

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Pre-requisites :

Personal computer (or account) with Linux OS - native or virtual machine - (other OS will be challenging) and following utilities :

- wget
- tar
- gzip
- make
- fortran compiler (preferably gfortran)
- gcc
- some netcdf file visualisation program (ferret, grads, ncview, ...)

tmate helpful as well

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Pre-requisites met ?

Install the model using the script that lives here :

https://www.lmd.jussieu.fr/~lmdz/pub/install_lmdz.sh

On your computer :

```
bash$ wget http://www.lmd.jussieu.fr/~lmdz/pub/install_lmdz.sh
bash$ chmod +x install_lmdz.sh
bash$ ./install_lmdz.sh
```

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Success ? :

You should see the following text on your terminal

```
      in abort_gcm
Stopping in leapfrog
Reason = Simulation finished
Everything is cool
#####
Simulation finished in
.....
```

Results will be in

```
./LMDZTrunk/modips1/modeles/LMDZ/BENCH32x32x39
```

where you can open and visualize the history files hist*.nc with your favorite NetCDF viewer

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Failure ? :

We are here to help :

- during the session, GoToMeeting chat
- slack channel #formation-2020 on LMDZ slackspace :
invite : https://join.slack.com/t/lmdz/shared_invite/zt-jyc2tgjk-EK8U2DnSk7HVJM3yDeeLbA
- lmdz-users mailing list :
<https://listes.ipsl.fr/sympa/info/lmdz-users>
- LMDZ sites :
<https://lmdz.lmd.jussieu.fr/> <https://lmdz.lmd.jussieu.fr/LMDZPedia>