

# LMDZ Training December 2020



**Welcome to the LMDZ 2020 training session  
(exclusively on-line)**

**Information link :**

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

**For PhD students:** we can provide you a certificate of attendance

# LMDZ Training December 2020



## PROGRAM :

### Format :

- 'Formal' presentations in the mornings
- Practical work in the afternoons : presentations of the tutorials on monday and tuesday, GotoMeeting session opened rest of the week with questions and appointments given on slack channel. Will open online sessions for 'one-on-one' appointments or use the gather.town meeting rooms :

<https://gather.town/app/dounBToM8YBQ0e5I/labLMDZ>

# LMDZ Training December 2020



## Monday 14<sup>th</sup> December :

- 9:30-10:00 Welcome and Introduction / Students presentation (L. Fairhead)
- 10:00-11:00 General presentation of LMDZ (F. Hourdin)
- 11:00-11:30 Break
- 11:30-12:30 Configurations/Forcings/Inputs (L. Guez) / Outputs (L. Fairhead)
- 14:30 – 17:00 Practical work

# LMDZ Training December 2020



## Tuesday 15<sup>th</sup> December :

- 9:30-11:30 Model physics: session is split in two:
  - Terrestrial physics (F. Hourdin)
  - Planetary GCMs (E. Millour)
- 11:30-12:00 Break
- 12:00-12:30 Code structure (L . Fairhead)
- 14:30-17:00 Practical work

# LMDZ Training December 2020



## Wednesday 16<sup>th</sup> December :

- 9:30-10:45 Clouds (J.-B. Madeleine)
- 10:45-11:15 Break
- 11:15-11:45 Aerosols (O. Boucher)
- 11:45-12:15 LMDZ1D (M.-P. Lefebvre)
  
- 14:30-17:00 Practical work

# LMDZ Training December 2020



## Thursday 17<sup>th</sup> December :

- 9:30-11:00 Dynamics (E. Millour)
- 11:00-11:30 Break
- 11:30-12:00 Parallelism (E. Millour)
- 12:00-12:30 Code Ecosystem (L. Fairhead)
- 14:30-17:00 Practical work

# LMDZ Training December 2020



## Friday 18<sup>th</sup> December :

- 9:30-10:90 Atmosphere / Surface interface (F. Cheruy)
- 10:30-11:00 Break
- 11:00-13:00 LMDZ configurations, conclusion and possible debrief (F. Hourdin)

# LMDZ Training December 2020



Who  
are  
we ?



**Jean-Yves GRANDPEIX**  
Collaborateur bénévole

**Tutorials**



**Marie-Pierre LEFEBVRE**  
Ingénieure Météo-France

**1D model**



**Frédéric HOURDIN**  
Chercheur CNRS

**LMDZ configurations/  
physics**



**Jean-Baptiste MADELEINE**  
Enseignant-Chercheur SU

**Clouds**



**Laurent FAIRHEAD**  
Ingénieur de recherche CNRS

**input/output, environment**



**Ionela MUSAT**  
Ingénieure de recherche CNRS

**Tutorials**



**Ehouarn MILLOUR**  
Ingénieur de recherche CNRS

**Dynamics, parallelism**



**Adriana SIMA**  
Ingénieure de recherche CNRS

**Presentation of tutorials**



**Lionel GUEZ**  
Ingénieur de recherche CNRS

**input files, forcings**



**Olivier BOUCHER**  
Chercheur CNRS

**Aerosols**



**Etienne VIGNON**  
Chercheur CNRS

**Tutorials**



**Frédérique CHERUY**  
Chercheuse CNRS

**Atmosphère/surface interface**



# LMDZ Training December 2020



## Who are you ?

33 participants including 18 PhDs, 4 postdocs, 5 researchers, 5 engineers, 1 Master student  
Laboratories: IPSL (13), Reims, Toulouse, Orléans, Grenoble, China, India, Senegal, Morocco  
23 of you “don't currently use LMDZ”.

## Topics of interest

isotopes, general interest, LMDZ/ORCHIDEE, studies over Antarctica, paleoclimate, radiation scheme interactions, ice-sheet coupled model, South-Asian Monsoon, regional / zoomed model (Morocco), dust transport over west Africa, exoplanets , aerosols transport, gas/methane/volcano emissions, transport of CO<sub>2</sub>, didactic purposes, study of turbulence, of dynamic systems

# LMDZ Training December 2020



## Practical details

**For PhD students:** we can provide you a certificate of attendance

### **Information link :**

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

**slack channel** #formation-2020 on LMDZ slackspace :

invite : [https://join.slack.com/t/lmdz/shared\\_invite/zt-jyc2tgjk-EK8U2DnSk7HVJM3yDeeLbA](https://join.slack.com/t/lmdz/shared_invite/zt-jyc2tgjk-EK8U2DnSk7HVJM3yDeeLbA)

[https://join.slack.com/t/lmdz/shared\\_invite/zt-jyc2tgjk-EK8U2DnSk7HVJM3yDeeLbA](https://join.slack.com/t/lmdz/shared_invite/zt-jyc2tgjk-EK8U2DnSk7HVJM3yDeeLbA)

### **Gather.town link :**

<https://gather.town/app/dounBToM8YBQ0e5I/labLMDZ>