



**Welcome
to the 2016 LMDZ training course!**

5/6/7 December 2016 – LMD Jussieu

The program (1/3)

Monday 5th December: UFR918 room

9:00-9:30	Welcome & Introduction (<i>M-P Lefebvre</i>)
9:30-10:15	General presentation of LMDZ (<i>F. Hourdin</i>)
10:15-10:45	Code structure, compilation (<i>L.Fairhead & D.Cugnet</i>)
10:45-11:15	Students presentation & Tutorial N°1 (first part)
11:15-11:35	Coffee break – <i>laptop distribution</i>
11:35-12:10	Output (<i>L.Fairhead</i>)
12:10-12:45	Tutorial N°1 (second part): output, rerun the model
12:45-14:00	Lunch
14:00-14:45	Svn, how to compile the model (<i>L.Fairhead, D.Cugnet</i>)
14:45-17:00	End of tutorial N°1, different versions of the model, aquaplanet

The program (2/3)

Tuesday 6th December: UFR918 room

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| 9:00-10:30 | Model physics (M.Bonazzola, J-Y Grandpeix, J-B Madeleine) |
| 10:30-10:50 | Coffee break |
| 10:50-11:40 | Configurations/input files/forcings/aerosols (L.Guez, O.Boucher) |
| 11:40-12:10 | LMDZ1D (M-P Lefebvre) |
| 12:10-13:00 | End of tutorial N°1, discussion and questions |
| 13:00-14:15 | Lunch |
| 14:15-15:10 | Atmosphere/soil interface (J-L Dufresne) |
| 15:10-15:40 | Parallelism (L.Fita) |
| 15:40-17:00 | Tutorial n°2: zooming,nudging,tracers,Orchidee,1D,XIOS,parallelism |

The program (3/3)

Wednesday 7th December: UFR918 room

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| 9:00-10:30 | Dynamics: grid/ temporal discretization/ stability/ diffusion (E.Millour) |
| 10:30-10:50 | Coffee break |
| 10:50-11:35 | Clouds (J-B Madeleine) |
| 11:35-12:35 | Tuning the model (F.Hourdin) |
| 12:35-14:00 | Lunch |
| 14:00-17:00 | Tutorials (end) |

All the presentations and tutorials texts are/will be on LMDZ website
(<http://lmdz.lmd.jussieu.fr/le-projet-lmdz/formation/2016>)

Who are we?

The LMDZ team

Researchers...

Olivier Boucher

Frédéric Hourdin

Jean-Baptiste Madeleine

Marine Bonazzola

Jean-Yves Grandpeix

Jean-Louis Dufresne

Adriana Sima

Engineers..

Abderrhamane Idelkadi

Ionela Musat

Laurent Fairhead

Lionel Guez

Ehouarn Millour

Lidia Mellul

Marie-Pierre Lefebvre

David Cugnet

Lluis Fita

Who are you?

21 participants including 8 PhDs, 3 postdocs, 6 engineers, 4 researchers

Laboratories: LMD (7), LATMOS (4), LSCE (4), LISA(1), UMPC(1),

Orleans University(2), Madagascar (2)

14 of you have never run LMDZ.

Main topics:

- **Regional model**: (6) 2xPoles,2xMéditerranéan, Argentina, Madagascar
- **Transport** : (3) isotopes, Inca, strato-chemistry
- **Clouds/flux OA** : (5) 2xwater vapor, convection, 2xflux OA
- **Mars/Titan** : 2
- **Paleo** : 2
- **Don't know yet** : 2

Some technical details ...

30 new laptops bought through ANR Convergence and Labex IPSL !

They are all identical.

User : util1

Passwd: **!litu@upmc**

Don't take into account the message when you switch on your laptop

« Problème logiciel détecté » and type ANNULER.

The only directory usefull for you is **LMDZ** and all others you are going to create .

For PhD students: We can provide you a certificate of attendance.

Logistics

Lunch:
Restaurant
Administratif

Campus map



LMD (3rd floor)

Lectures and Practical exercises:
UFR conference room,
Corridor 46/56
2nd floor

Questions: Marie-Pierre Lefebvre



**See you at
the next LMDZ user meeting!**