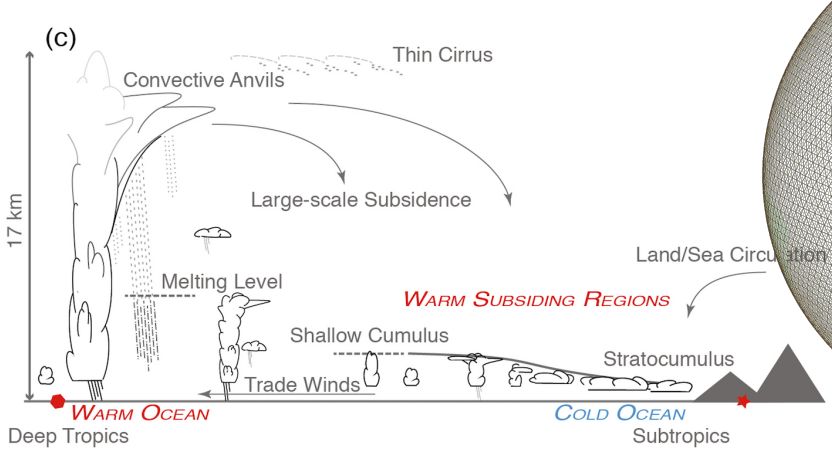
1st WCRP Summer School on Climate Model Development

Atmospheric Moist Processes



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Atmospheric Moist Processes

Hamburg, Germany, June 15 - June 26, 2015

The World Climate Research Programme WCRP, Max-Planck-Institute für Meterologie MPI-M and Hans Ertel Centre for Weather Research announce the 1st Summer School on Climate Model Development hosted by the MPI-M, Hamburg, Germany.

Scope:

Nearly all predictions of weather and climate are made by computer models – often referred to as ‚Numerical Weather Prediction', ‚Climate Models' or ‚Earth System Models'. The WCRP Summer School Series aims at developing an increasing understanding into how climate models are constructed covering the many aspects of simulating the Earth system including atmospheric, land surface, ocean and biogeochemical processes. In 2015 the School will tackle one of the most challenging issues in climate model development, the representation of atmospheric moist processes, ranging from boundary layer turbulence to convection to clouds.

Cloud and convective processes remain a major source of model uncertainty. As a participant of the 2015 Summer School you will learn how these processes are represented in climate models. Through a series of lectures you will be introduced into the theoretical background of the suite of parametrizations involved in modeling moist processes. You will learn how to design, assess and modify such parametrizations. Using the MPI global model you will have the opportunity to discover how model behavior depends on the implementation of the theoretical ideas discussed in the lectures. You will come away from the school with an increased understanding of the cutting-edge research questions involved in parametrizing moist processes and most importantly, you will finally know what's inside the magic climate model box.

Applications:

The School is open to graduate students and early career researchers in meteorology and associated fields. Please turn to our on-line application system at this web site:
http://schools.enes.org/WSSCMD1
You will be asked to provide your contact and some personal information and to upload PDF files:

- *a short CV (max 2 p),*
- *a letter of motivation (max 1 p)*
- *a Letter of Recommendation*

The application system will be closed after 28 February 2015. Successful candidates will be notified by 31 March 2015. There is limited travel support available to attend the school. Please indicate in your motivation statement if and how much support you will require.

Dates:

Applications start	Now
Applications end	February 28, 2015
Admission notification	March 31, 2015

Contacts:

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School Location:

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Max-Planck-Institut für Meteorologie

WCRP World Climate Research Programme

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