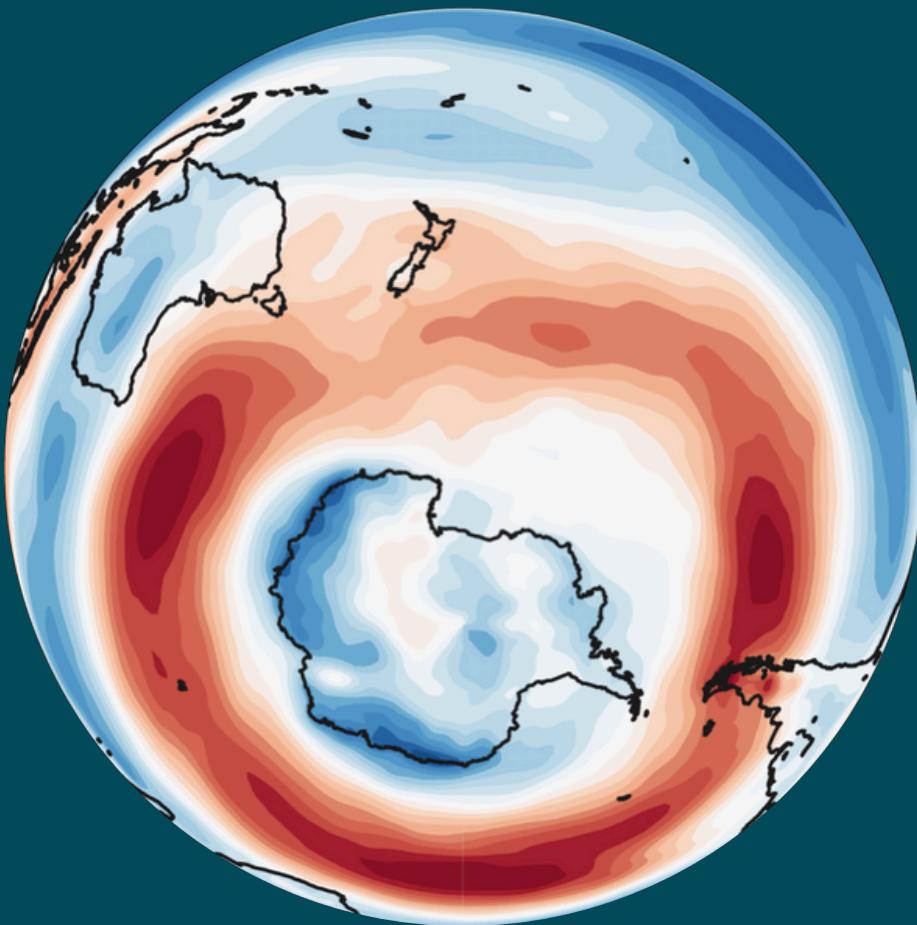




# CLIMATE MODELLING

## *Hands-on Training Program*

Decode climate change through models



**MORE INFORMATION**

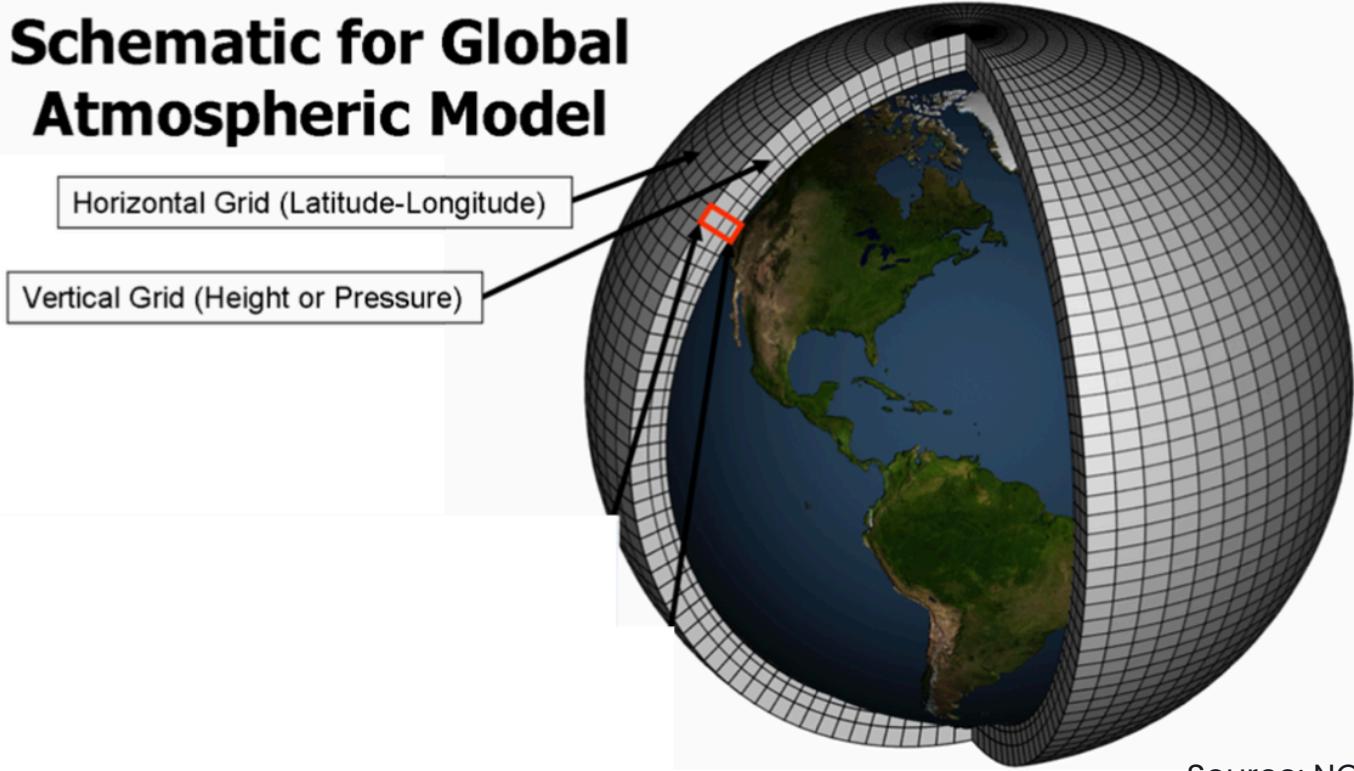
+91 9501979701 (WhatsApp)

[helpdesk.alclasses@outlook.com](mailto:helpdesk.alclasses@outlook.com)





## Schematic for Global Atmospheric Model



Source: NOAA

### ABOUT PROGRAM

This course offers a strong, beginner-friendly foundation in climate modelling, combining theory with hands-on practice. It is designed for students, researchers, and professionals who want to understand how climate projections are developed and how climate model outputs can be used for climate change, climate risk and climate variability (uncertainty) analysis.

### MORE INFORMATION

+91 9501979701 (WhatsApp)



helpdesk.alclasses@outlook.com





\*30 minutes each for 2 one-to-one sessions

## MORE INFORMATION

+91 9501979701 (WhatsApp)



helpdesk.alclasses@outlook.com





## PROGRAM OUTLINE:

### Basics of climate modelling

From 1-D models to GCMs/RCMs

### CMIP5 & CMIP6

Emissions scenarios & how they are developed

### Climate models

Inputs, initial & boundary conditions

### Statistics

How to read maps & results

### Climate variability vs climate change

### Ensembles

Generation & usage for risk analysis

### Hands on Python

Model data & Data analysis (climate risk analysis)

### MORE INFORMATION

+91 9501979701 (WhatsApp)



helpdesk.alclasses@outlook.com





## WHY CHOOSE US?

**Designed for Absolute  
Beginners**

**Learn by Doing, Not Just  
Listening**

**From Basics to  
Applications**

**Industry-Relevant,  
Future-Ready Skills**

**Confidence to Work  
Independently**

**Expert-Led Instruction**

### MORE INFORMATION

+91 9501979701 (WhatsApp)



[helpdesk.alclasses@outlook.com](mailto:helpdesk.alclasses@outlook.com)





## COURSE DETAILS

Interactive  
sessions

**Start Date: Early January  
(Tentative: January 10)**



**Schedule: Saturdays only**



**Session Length: 1-1.5 hours**



**Course Duration: 4-5 months**



**Prerequisites: No prior python or  
climate modelling knowledge  
required**



**Short assignment on course  
completion**



## MORE INFORMATION

+91 9501979701 (WhatsApp)



helpdesk.alclasses@outlook.com

