

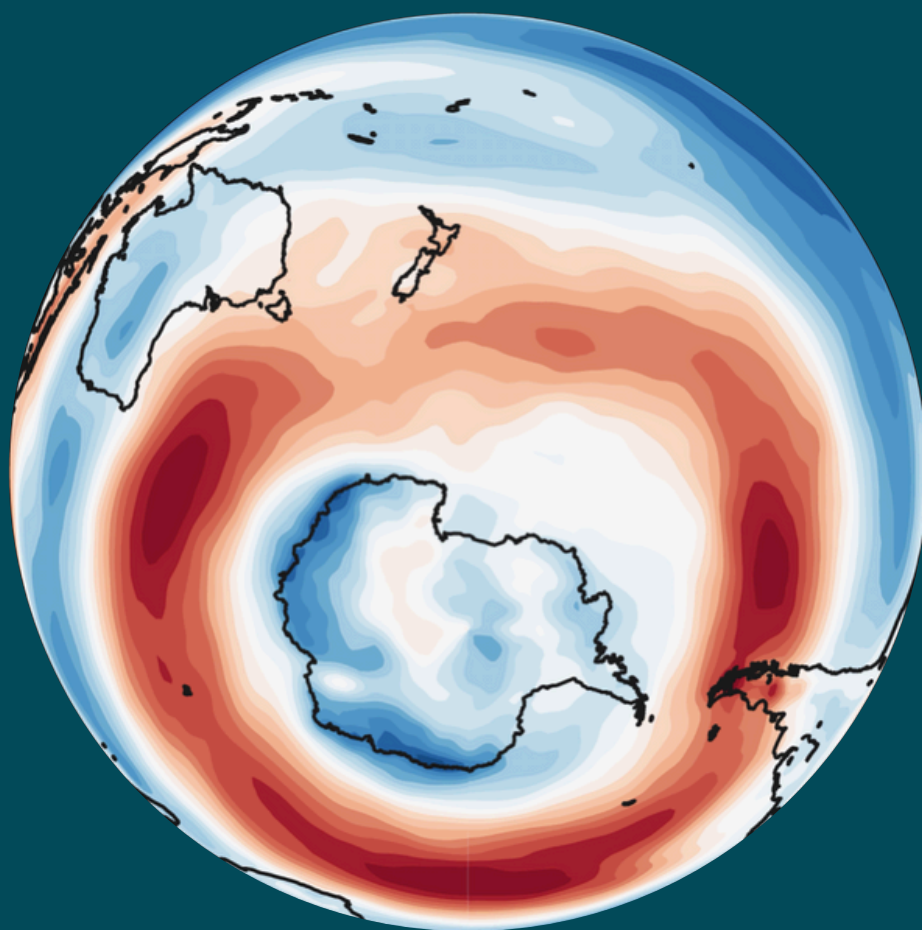


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CLIMATE MODELLING

Hands-on Training Program

Decode climate change through models



MORE INFORMATION

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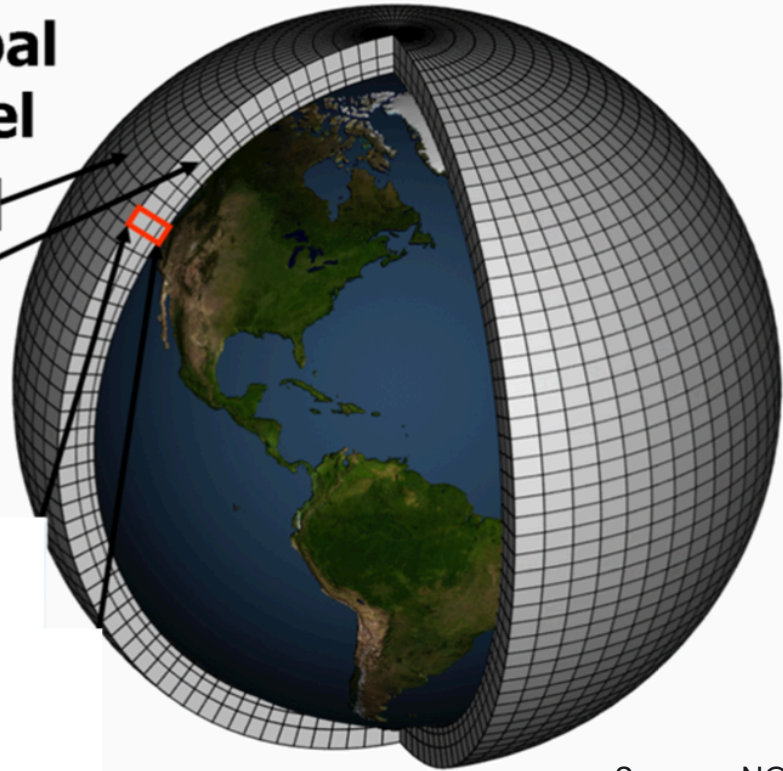


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Schematic for Global Atmospheric Model

Horizontal Grid (Latitude-Longitude)

Vertical Grid (Height or Pressure)



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.

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

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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)

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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

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COURSE DETAILS

**Interactive
sessions**

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



Schedule: Saturdays only



Session Length: 1-1.5 hours



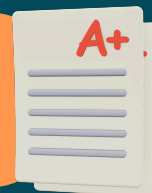
Course Duration: 4-5 months



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



**Short assignment on course
completion**



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