



2025 CESM Tutorial

Day 5 Logistics

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Agenda

Friday, July 11



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|-------------|---|
| 8:25-8:30 | Daily logistics |
| 8:30-9:00 | Simpler Models (<i>Brian Medeiros</i>) |
| 9:00-9:30 | Variable resolution (<i>Adam Herrington</i>) |
| 9:30-09:45 | Break (coffee and snacks) |
| 09:45-10:15 | Earth System Prediction (<i>Steve Yeager</i>) |
| 10:15-10:30 | Intro to Lab: breakouts (<i>Multiple speakers</i>) <i>Cecile (atmos), Sophia (Paleo), Gunter (Land Ice), Dave Bailey (sea ice), Rebecca Buchholz (chemistry), Erik (land), Kristen (biogeochem), Alper Altuntas (Ocean).</i> |
| 10:30-12:00 | Lab exercises (Library) |
| 12:00-1:15 | Lunch on your own + activities ML Public Tour (Meet at noon front door) |
| 1:15-1:45 | Model porting (<i>Jim Edwards</i>) |
| 1:45-2:00 | Break |
| 2:00-2:30 | How CESM can be used for actionable science (<i>Monica Morrison</i>) |
| 2:30- 4:00 | Lab exercise (Library) |
| 4:00-4:20 | Wrap up, Daily check-in, Survey |
| 4:30 | Shuttle Departs ML |

<https://ncar.github.io/CESM-Tutorial/README.html>



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Welcome to the CESM Tutorial

Introduction

Prerequisites for Success

Basics

Simple XML Modifications

Namelist Modifications

Troubleshooting runtime errors

Source Modifications

Challenge Exercises

Atmosphere

Paleo

Atmospheric chemistry

Land

Ocean

Sea Ice

Land Ice

Biogeochemistry

Diagnostics

Resources

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Challenge Exercises

This section of the CESM tutorial is designed to test your understanding of the CESM model that you have learned about in previous sections.

We provide challenge exercises for the individual model components for you to test yourself.

Feel free to try all the challenge exercises or just the one(s) that are relevant for the CESM components of interest to you.

Previous

< [Modify the](#) [rain_threshold](#) [in CLM](#)

Next

[Atmosphere](#) >