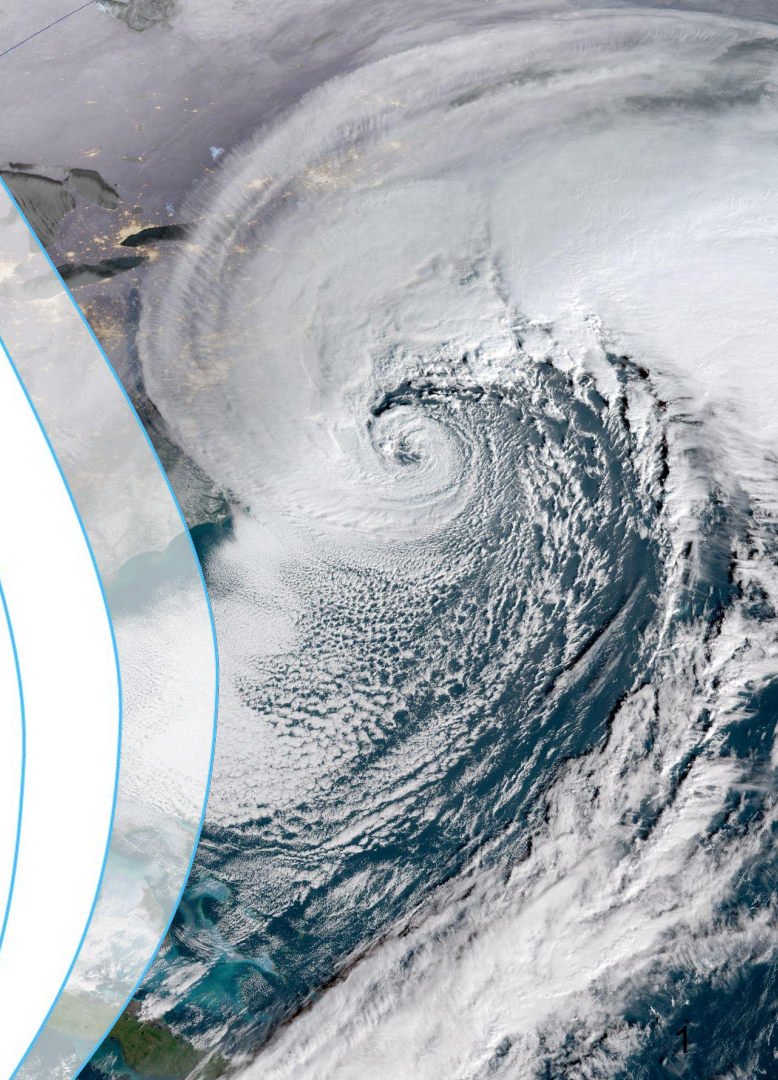
November 17, 2026

2026 CESM Tutorial

Daily lab check in

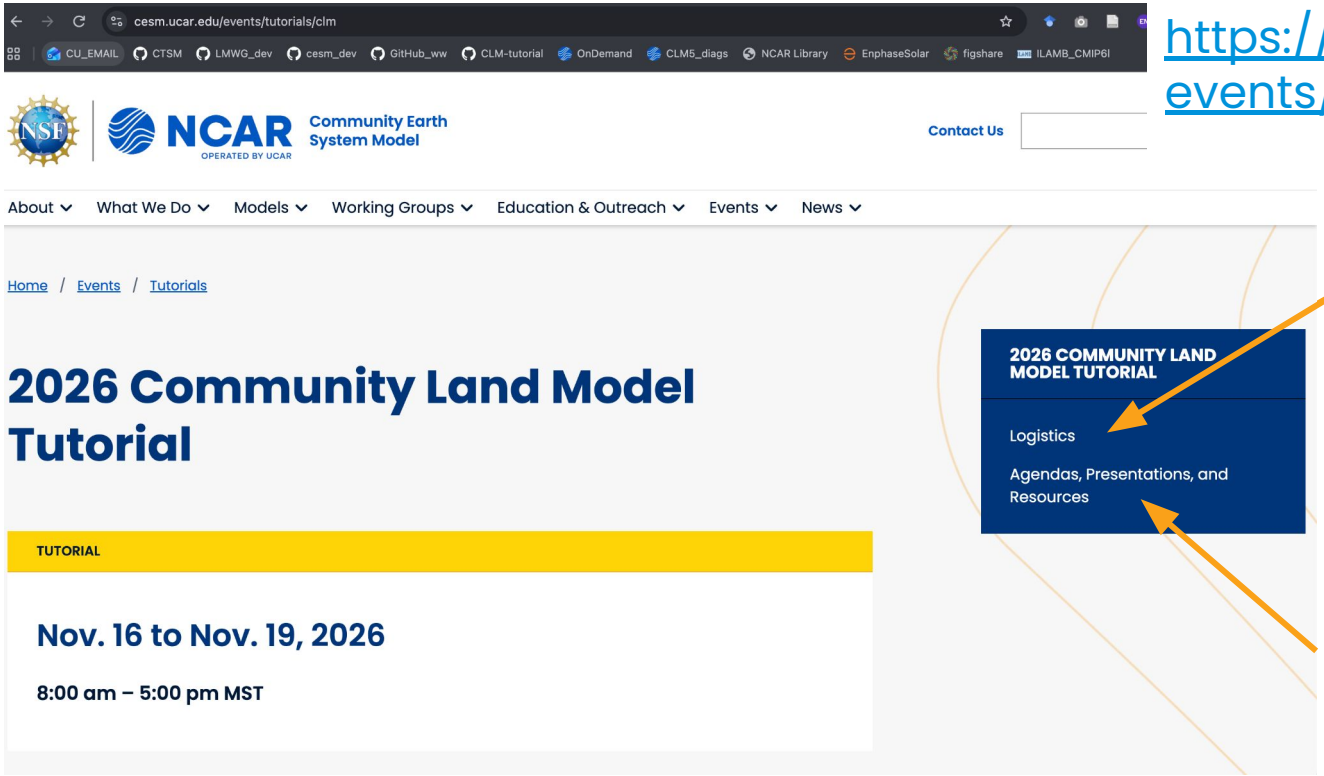
Adrianna Foster
NCAR CGD

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Any questions about the lab so far?

CLM Tutorial Website



https://www.cesm.ucar.edu/events/tutorials/clm

Practical materials & additional info about logistics, photos, etc.

Agenda (including slides of lectures)

Did everyone find the lab documentation?

https://ncar.github.io/CLM-Tutorial/README.html

Rough guidelines for the lab

Day 1: Basics and your first CLM run

Day 2: Modifying experimental design

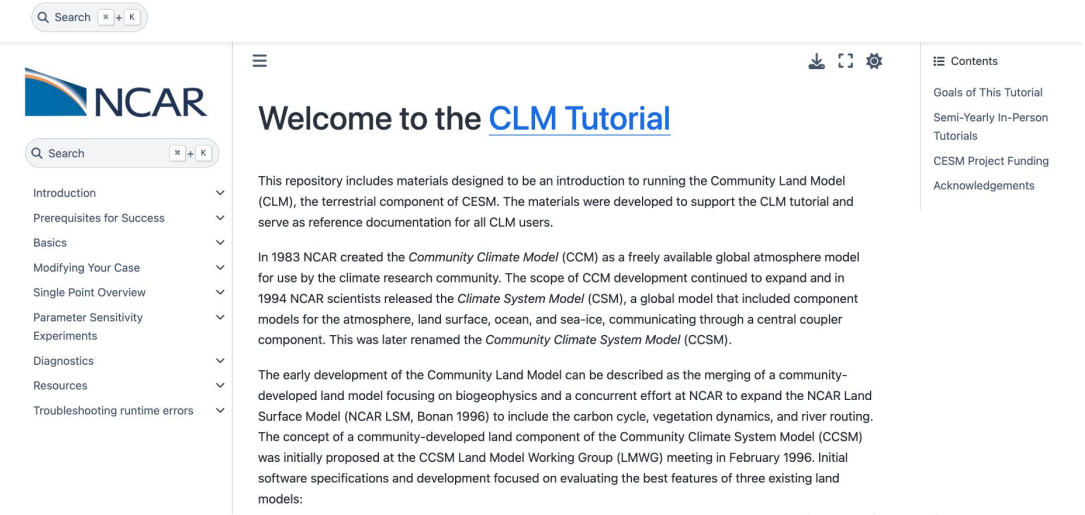
Day 3: Single point simulations

Day 4: Diagnostics

AND

This is a **self-paced lab.**

We all have different experience levels. Some of you will move faster and some will move slower. It's completely okay.



Modifying Your Case

So far you have learned how to create and run basic CLM and FATES cases. However, we often want to customize a case: turning specific options on or off, changing the history output, or using different input files.

There are two main ways to modify a case, and this chapter covers both:

- **XML Modifications:** XML files control case-level settings such as run length, run type, and model time step.
- **Namelist Modifications:** Namelists control component-specific settings such as history output, parameter files, and physics options.

Previous
Review Questions

Next
XML Modifications ›

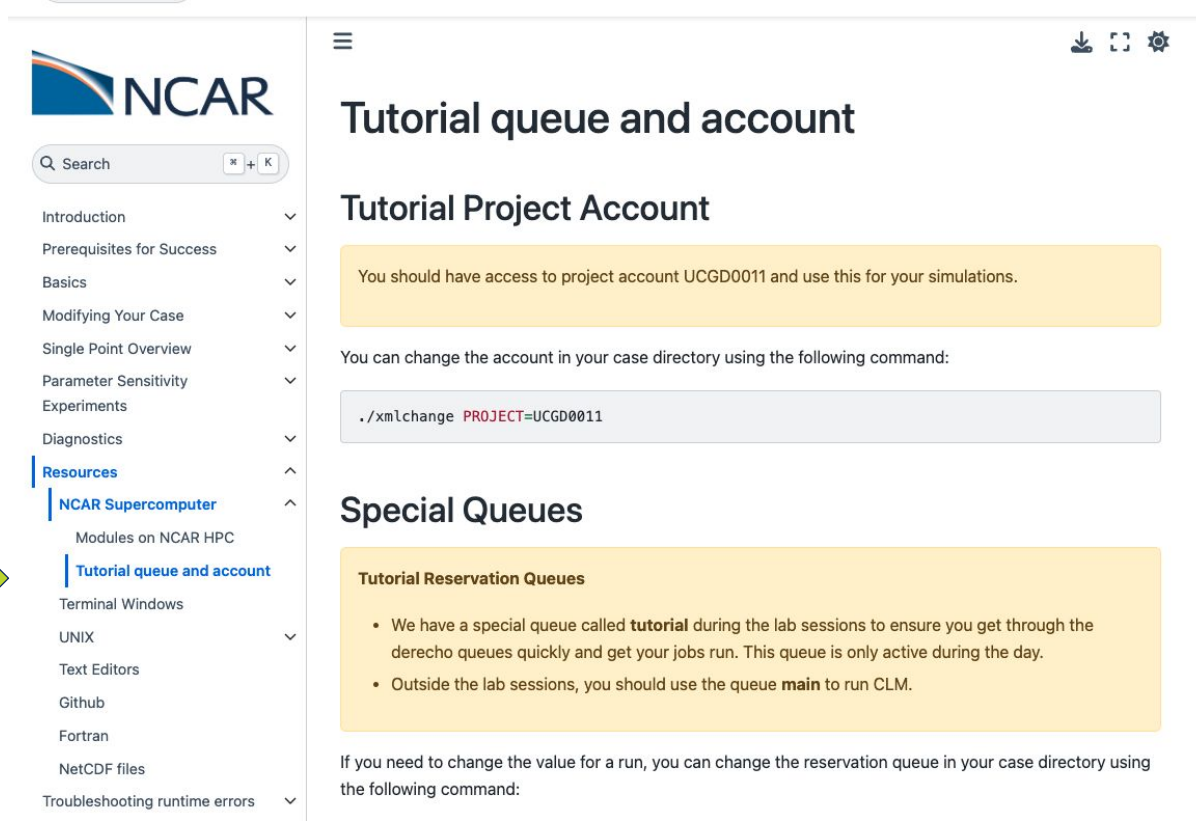
Project account and reservation queues

As a full time participant, you should have access to

- account number: UCGD0011
- reservation queue: tutorial

Instructions how to use these are here:





The tutorial queue

Before submitting the jobs, change the queue name:

./xmlchange JOB_QUEUE=tutorial --force