

# CTSM mini-tutorial 2022

## Agenda

---

### Pre-tutorial homework.

This should be done **BEFORE** you come to the tutorial on May 25.

*Please don't leave this to the last minute.*

[Tutorial README](#)

log into CESM-Lab and clone tutorial materials

[Day0a GitStarted.ipynb](#)

clone CTSM repository

[Day0b RunNeon example](#)

run NEON tower site

**If you need help, we're having office hours, come and join us!**

**Monday, May 23 and Tuesday, May 24**

2:00-4:00 Pre-tutorial office hours with Brian and Will

*Finally, just complete the Day0 tutorials. Our AWS configuration won't be ready for Day 1 materials until we begin the tutorial.*

---

### Tutorial Day 1

**May 25**

9:00 - 9:05 Welcome & logistics (Will)

9:05 - 9:50 Lecture: CTSM overview (Dave)

9:50 - 10:00 Getting started and introducing Learning Pods (Will, Negin, Adrianna & Danica)

10:00-11:55 Practical session in learning pods and with help:

[Day1a GlobalCase.ipynb](#) CTSM-FATESp simulation

[Day1b GlobalVisualization.ipynb](#)

11:55 - 12:00 Closing

---

### Tutorial Day 2

**May 26**

9:00 - 9:05 Welcome & logistics (Will)

9:05 - 10:00 Lecture: CTSM components (5 minute lightning talks)

- Hillslope hydrology (Sean)

- Land cover change (Peter)

- Canopy fluxes (Gordon)

- Data assimilation with DART (Brett)

- Biogeochemistry (Will)

- ILAMB testing (Keith)

- Crop model (Danica)

- Software engineering (Eric)

- FATES (Jackie)

10:00-11:55 Practical session in learning pods and with help:

[Day2\\_GenericSinglePoint.ipynb](#)

[Day2 Simple code modifications](#)

11:55 - 12:00 Closing