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-FATESsp 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)
- Canopy fluxes (Gordon)
- Biogeochemistry (Will)
- Crop model (Danica)
- FATES (Jackie)
- Land cover change (Peter)
- Data assimilation with DART (Brett)
- ILAMM testing (Keith)
- Software engineering (Eric)

10:00-11:55 Practical session in learning pods and with help:
Day2_GenericSinglePoint.ipynb
Day2_Simple code modifications

11:55 - 12:00 Closing