

2021 CESM Tutorial

Gustavo Marques and Elizabeth Faircloth

Climate and Global Dynamics Laboratory



August, 9th 2021



Welcome to NCAR



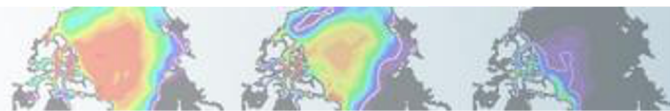
This is where we would be in non-COVID time.

NCAR|UCAR Code of Conduct

- Code of conduct:

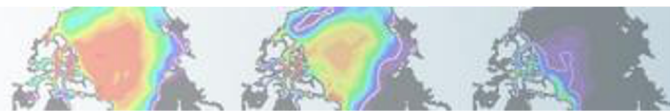
<https://www.ucar.edu/who-we-are/ethics-integrity/codes-conduct/participants>

- Applies to everyone – attendees, instructors, UCAR staff
- Applies to all venues & situations
- People are here to learn!
- Remember this is a professional environment
- If you need help or to report inappropriate behavior, contact **Gustavo** or **Elizabeth**.



Acknowledgements

- **Tutorial Organizing Committee:** Gustavo Marques, Alice DuVivier, Cécile Hannay, Gunter Leguy, Peter Lawrence, Adam Phillips, and Christine Shields
- **Logistics:** Elizabeth Faircloth
- **Education & Outreach:** Valerie Sloan, Jerry Cycone, Elise Mason
- **Computing support:** Davide Del Vento
- **Web support:** Ryan Johnson
- **Speakers, Helpers, and Developers:** 60+ staffs involved in the scientific preparation of this tutorial.
- **Funding:** National Science Foundation
- **Students:** to all of you for participating in this tutorial!



2021 CESM tutorial website

www.cesm.ucar.edu/events/tutorials/2021/



If you need to find the link:
Google “2021 CESM Tutorial”

Tutorial Links

- **Home:** Main page for the 2021 CESM tutorial
- **Agenda:** View the agenda in pdf format * Coming soon
- **Announcement:** Information about the event and how to apply to the tutorial
- **Participants:** Participants of the 2021 CESM Tutorial
- **Prerequisites:** Please complete the following activities to ensure you are prepared for the tutorial
- **Coursework:** View the sciences presentations and the labs exercises.

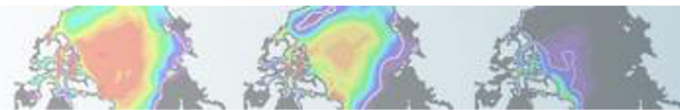


Tutorial Links

Agenda, list participants, presentations, lab exercises, etc

Short bio and photo

If you have not sent these already and wish to be included in the participant's page, please send your picture and short bio to Elizabeth as soon as possible.



Typical Day (*)

(*) Monday and Friday
are a bit different.
Check the agenda!

Morning (8:40 am to 10:50 am MDT)

- Quick announcements
- **Group photo (Friday at 8:40 am MDT)**
- Q&A panel sessions (recorded session, will be posted online)
- Meet a scientist (except Monday)
- 15 min. break

Lunch (10:50 am to 12:30 pm MDT)

- Possibility to meet with other participants in breakout rooms

Afternoon (12:30 pm to 2:30 pm MDT)

- Office hours

Morning Q&A panel sessions

- You can ask questions regarding the **theoretical lectures** in these sessions;
- We will use the Zoom polling feature to ask basic questions (anonymous);
- These sessions **will be recorded** and will be posted on the 2021 tutorial coursework webpage;
- Raise your hand if you'd like to ask a question and wait for the moderator to give you the floor;

Submit your questions in advance by using the link specific to a session:

Link for Atmosphere Q&A (Mon, Aug. 9th):

<https://PollEv.com/discourses/aJuTnyCZwyCi0TC8msKqT/respond>

Link for Ocean Q&A panel session (Tues, Aug. 10th):

<https://PollEv.com/discourses/2kYeeoSABjXmYC3L8DXDp/respond>

Link for Land Q&A panel session (Wed, Aug. 11th):

<https://PollEv.com/discourses/0yuT5xKhQqgWGRj5wbTBJ/respond>

Link for Climate Variability and Change (CVC) Q&A panel session (Thur, Aug. 12th):

<https://PollEv.com/discourses/KD0LI3xLTBA2XIOoeOT4/respond>

Link for polar-paleo-land ice Q&A panel session (Fri, Aug. 13th):

<https://PollEv.com/discourses/FSWozFzri7vMI5mPw11oo/respond>

Practical lectures

- **1)** NCAR computing environment; **2)** Run CESM2: Introduction (**Monday**)
- **3)** Run CESM2: Simple Modifications (**Tuesday**)
- **4)** Diagnostics and Output (**Wednesday**)
- **5)** Namelist and Code Modifications (**Thursday**)
- **6) to 12)** Breakout into different components: ocean&sea-ice, land ice, land, BGC, Atmosphere, WAACM/CAM-CHEM (**Friday**)

CESM Sandbox to be used:

- `/glade/p/cesm/tutorial/cesm2.1_tutorial_2021`

Project account (UESM0009)

- You should have all been added to this account.

Afternoon office hours

Your chance to meet **CESM** expert users and ask questions related to the practical lectures and exercises

- On a given day we will follow the practical's scheduled for that day;
- Typically, the exercises are located at the end of the presentation;
- Please mute yourself at the beginning of the session;
- Raise your hand if you need help;
- You will have one-on-one interaction with a helper in a breakout room.

Office hours will not be recorded.




Meet a scientist (optional) 10:00-10:50 am

- This is **YOUR** time with a scientist, there is no agenda. Try to obtain the information you came looking for;
- Please unmute yourself during the session or follow the guideline of the scientist;
- Do not monopolize the conversation and let everyone have a turn;
- Check your scientist assignment for each day: [Tuesday](#), [Wednesday](#), [Thursday](#), [Friday](#);

Meet a Scientist

Sign up to meet one of our CESM Scientists

Click on the link below



SCIENTIST BIOS

- **There are still a few spots available! Let us know if you want to participate.**

Lunch activity (Optional)

Meet with other participants

- We can arrange for you to meet in breakout rooms;
- Great networking opportunity: your space, your time;
- Feel free to eat your lunch while doing so!

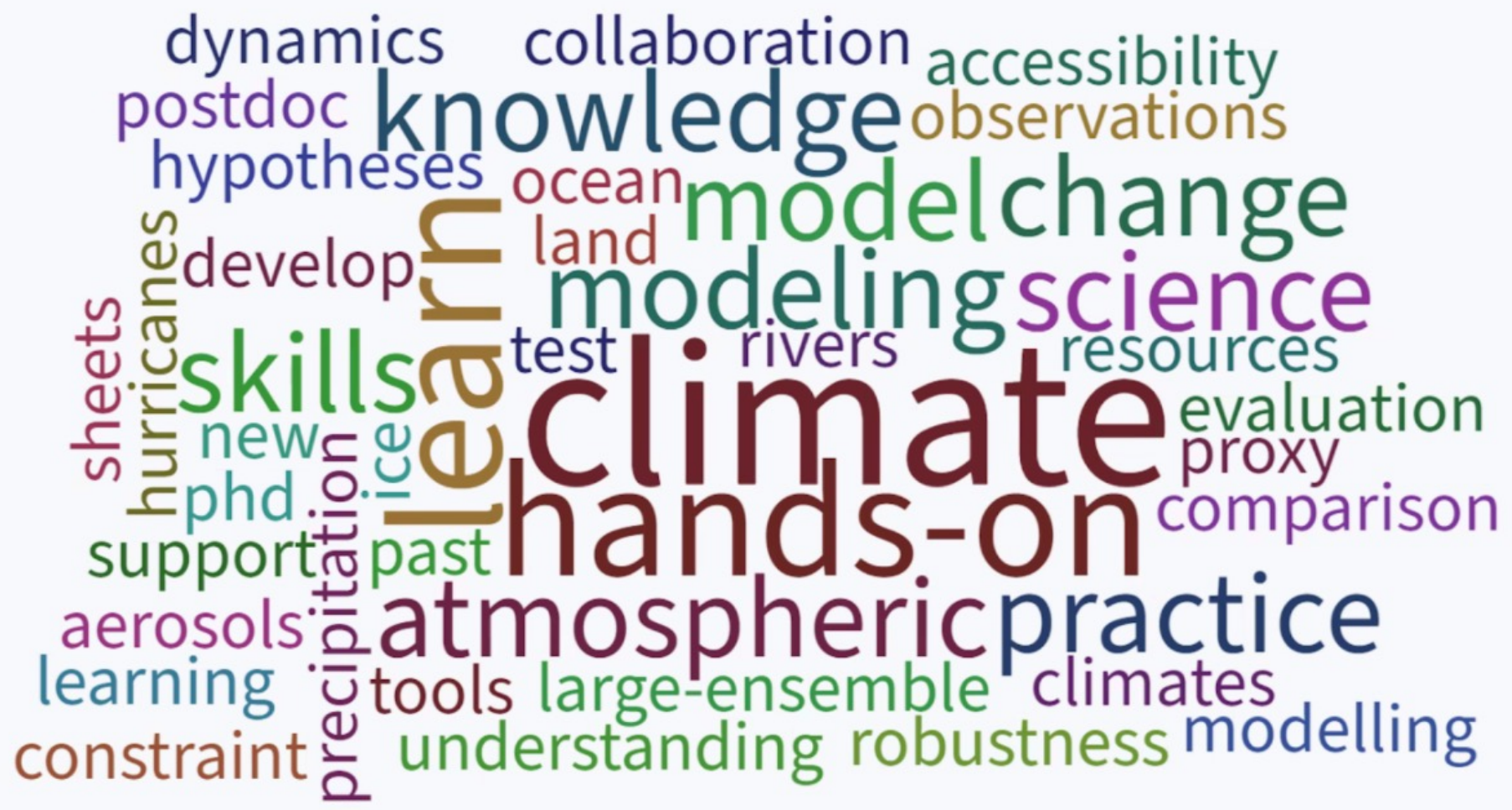
Informal conversation about Diversity, Equity, and Inclusion in CGD

Tuesday, August 10th, from 11:30 am to 12:30 pm MDT

Led by Roberta Spivak and Erik Kluzek

Would you like to discuss other topics? Please let us know.

What is the one word that best describes your main reason for attending this tutorial?



Wishing you a productive and successful week!

