2024 CESM Tutorial

Daily Logistics

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Code of Conduct

Here we value respectful dialogue, please . . .

CGD's Vision: A Culture of Respect & Belonging

https://www.cgd.ucar.edu/about/diversity

UCAR DEI Office

https://www.ucar.edu/who-we-are/diversity-inclusion/office

Report ethics concerns

https://www.ucar.edu/who-we-are/ethics

Norm	Meeting Agenda and Action
Share the Air OR Share Speaking Time	MEETING AGENDA: specify time for individuals with different and varied perspectives ACTION: Designate a facilitator (who encourages **sharing**). Speak **concisely** when it's your turn.
Show Appreciation & Acknowledge Teamwork	MEETING AGENDA: Include **bright spots** as an agenda item; create collaborative time during meetings ACTION: Include your **team member's name** on your slides, name who provided you with the idea
Listen to Understand	MEETING AGENDA: everyone **summarizes**; write and **share** meeting minutes ACTION: Ask real questions to **learn more**, not to argue - for example, "Tell me more"
Communicate Context	MEETING AGENDA: Items or discussion start with **background information** ACTION: Describe the **goal/purpose** of the conversation/meeting
Value New Ideas & Encourage Innovation	MEETING AGENDA: specify time for new ideas/innovation, ACTION: "Tell me more," and build on others ideas - "yes, that's great , **and…. (not but)"**
Offer Constructive Feedback	MEETING AGENDA: make time for **review and reflection** ACTION: ask "what worked well?" Check your understanding. Ask "what feedback would be meaningful?"

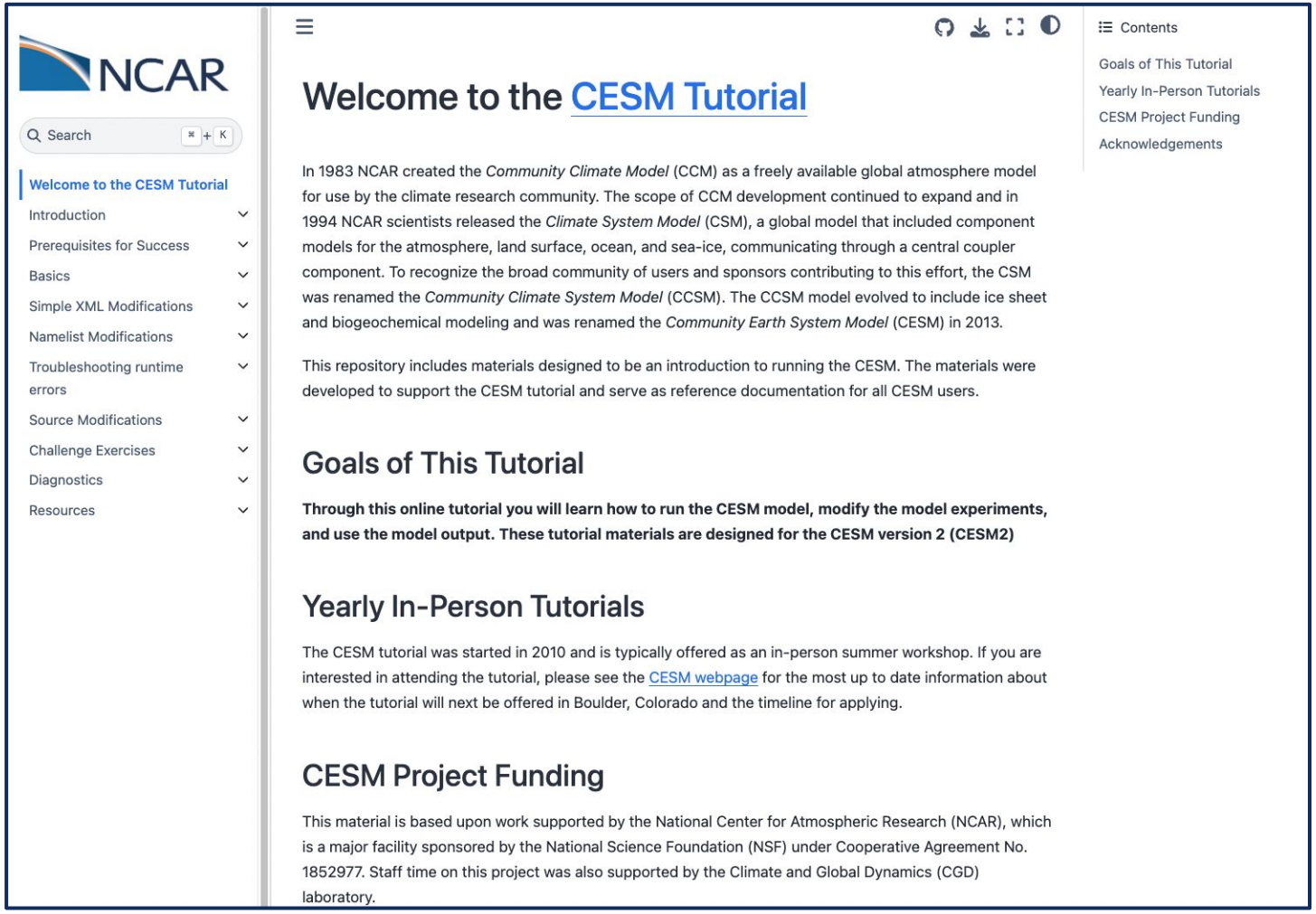
Meet a scientist

Assignments have been made. Check you email

TUESDAY					
Scientist	Room	Participant	Participant	Participant	Participant
Will Wieder	Chapman	Aandishah Samara	Shihan Li	Song Jiang	
Christina McClus	Inner Cafeteria	Abdulamid Fakoya	Ashok Gupta	George Gyabaah	Sisi Chen
Frank Bryan	Director's Confe	Hillary Beckmeyer	Sandra Manulat	Arghya Goswami	Cassia Cai
Peter Lawrence	Inner Cafeteria	Massimo Martina	Ran Qi	Lyssa Freese	Ishrat J. Dollan
Bette Otto-Bliesr	Outer Damon	Ana Isabel Gonzalez Mendez	Benjamin Tiger	Ibuki Sugiura	Meredith Parish
Jiang Zhu	Outer Cafeteria	Stephen Cropper	Becca Cleveland-Stout	Andrew Feder	Emily Wisinski
Wednesday					
Scientist	Room	Participant	Participant	Participant	Participant
Marika Holland	Director's Confe	Yu-Chi Lee	Samuel Brenner	Theo Carr	Chen Zhang
Kristen Krumhar	Inner Damon	Chun Yin Anthony Chan	Prani Nalluri	Zhuyi Wang	
Alice DuVivier	Cafeteria	Maria Inês Buco Cajada	Cyric Ng	Evan Meeker	Pappu Paul
Brian Dobbins	Cafeteria	Cameron Cummins	Luca Jeongsuk Oh	Temitope S. Egbebiyi	
Adrianna Foster	Chapman	Ben Felzer	Tyler Tatro	Trent Robinett	
Gunter Leguy	Outer Damon	Sioumin Tsao	Saidat Rasaq-Balogun		
Thursday					
Scientist	Room	Participant	Participant	Participant	Participant
Jesse Nusbaum	Cafeteria	Andrew Reiser	Qingyuan Yang	Emily Hayden	Madeleine Beckner
Hui Li	Chapman Room	Cong Gao	Fouzia Fahrin	Ishrat J. Dollan	
Peter Lauritzen	Director's Confe	Noah Kravette	Bob Payne	Hsing-Hung Chou	
Monica Morrison	Cafeteria	Carly Frank	Frank Mackenzie	Selena Zhang	
Isla Simpson	Inner Damon	Holly Thomas	Yifei Fan	Sam Bartusek	Prasad Shelke
Meg Fowler	Outer Damon	Greta Miller	Julia Miller	An-Yi Huang	José Luis Del Castillo Castillo

Lab documentation

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



Rough guidelines for the lab

Day 1: Basics
Day 2: Simple xml modifications
Day 3: Namelist, Troubleshooting, Source Mods
Day 4: Challenge exercises
Day 5: Diagnostics

BUT

This is a **self-paced lab.**
We all come from different backgrounds. Some people will move faster, and some will move slower. It's completely okay.

How to use project number and reservation queue

To use project number (in theory it is set in your profile)

```
./xmlchange PROJECT=UESM0013
```

How do I use the reservation queue (active during lab)

during lab

```
cd /glade/u/home/$USER/code/my_cesm_code/cime/scripts
./create_newcase --case ~/cases/b1850.basics --res f19_g17 --compset B1850

cd ~/cases/cases/b1850.basics
./case.setup

qcmd -q tutorial -- ./case.build

./xmlchange JOB_QUEUE=tutorial --force

./case.submit
```

outside lab

```
cd /glade/u/home/$USER/code/my_cesm_code/cime/scripts
./create_newcase --case ~/cases/b1850.basics --res f19_g17 --compset B1850

cd ~/cases/cases/b1850.basics
./case.setup

qcmd  -- ./case.build

./xmlchange JOB_QUEUE=main

./case.submit
```

Questions ?

Image courtesy Kolya Dols