Unified Forecast System (UFS) Short-Range Weather (SRW) Application Users' Training

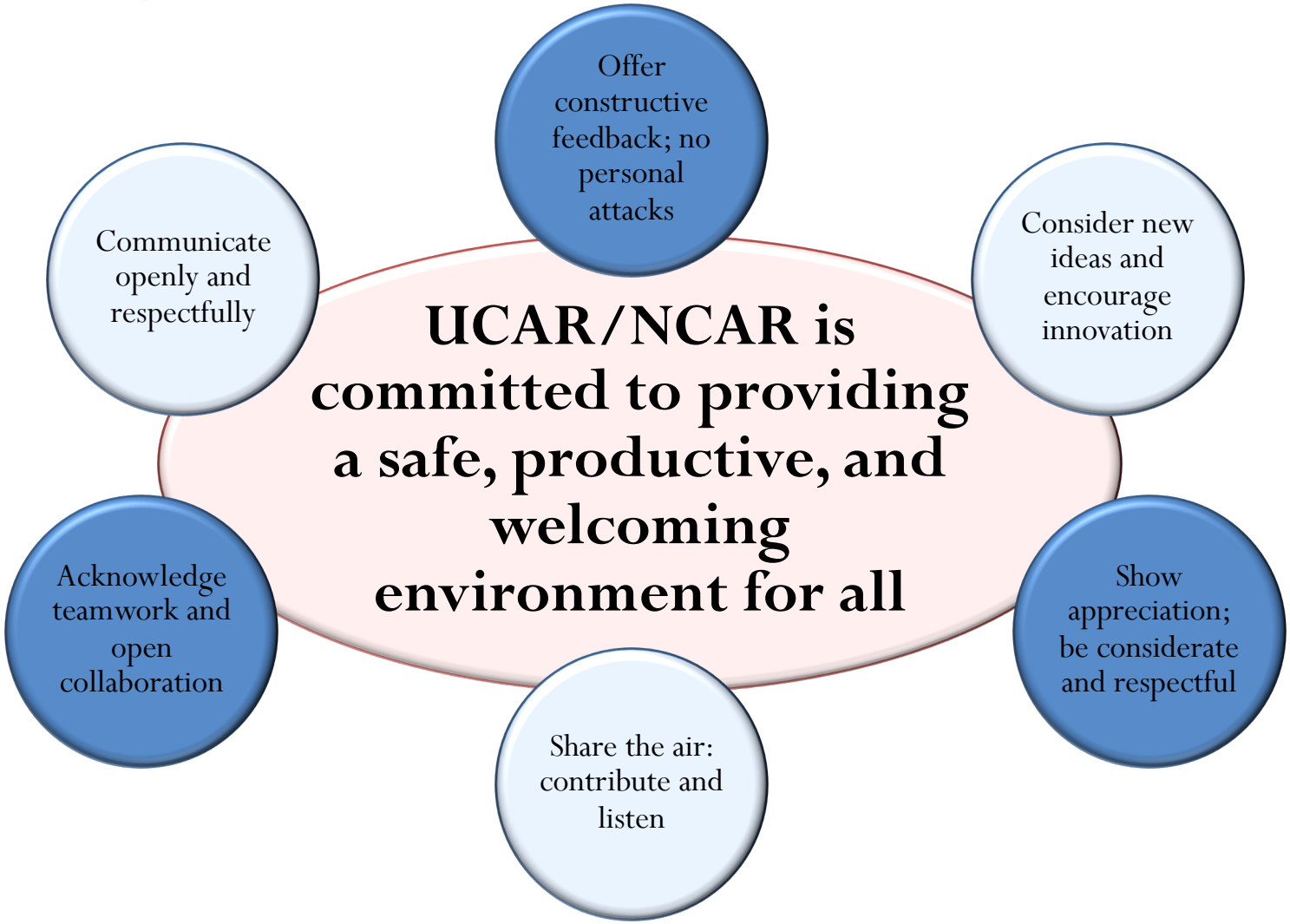
Welcome!

UFS SRW Application Training Team

20-24 September 2021

Developmental Testbed Center

Participant Code of Conduct



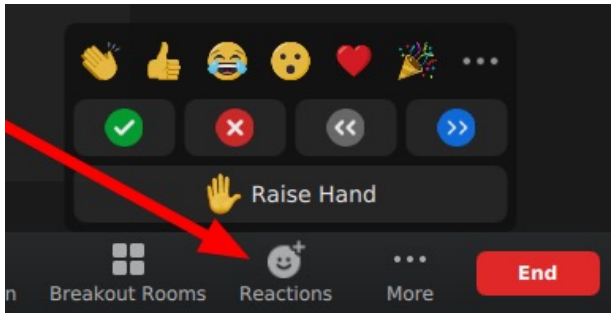
https://www.ucar.edu/who-we-are/ethics-integrity/codes-conduct/participants

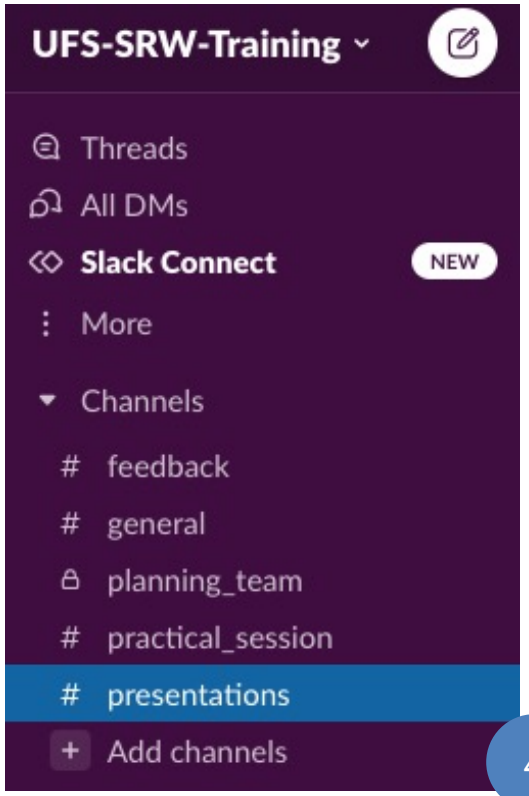
Meeting Expectations

- Please feel free to turn your video on when asking questions
  - Participants should leave video off during presentations to eliminate visual distractions
  - Instructors are encouraged to use video when presenting if bandwidth allows
- Remember to remain muted unless speaking
  - To avoid distracting background noise

Meeting Expectations, cont.

- We want to hear from you!
  - In Zoom: Please raise your hand when you would like to speak
  - On Slack: Type your question into the appropriate channel
    - #general
    - #presentations
    - #practical_session
- Please remain focused and be engaged!
  - We look forward to a productive training event





Logistics

- Zoom will be used throughout the tutorial (presentations and hands-on practice with breakout rooms as needed)
  - The same link (one for presentations and one for practical sessions) will be used every day (link in calendar invite)
  - During hands-on practice, we can move individuals into a Breakout room for screensharing with an instructor, as needed.
  - Please post questions/comments in the UFS-SRW-Training Slack Workspace under the appropriate channel (do not use Zoom chat)
- Agenda can be found on the event webpage
  - https://dtcenter.org/events/2021/unified-forecast-system-ufs-short-range-weather-srw-application-users-training/agenda
- Presentations and video recording will be linked to the agenda after the event

Agenda Overview

Time (MDT)	Monday (09/20)	Tuesday (09/21)	Wednesday (09/22)	Thursday (09/23)	Friday (09/24)
9:00	Welcome	SRW App Pre-processing Jeff Beck George Gayno Larissa Reames	Overview of the Common Community Physics Package Dom Heinzeller Linlin Pan Laurie Carson	Using Git/github for UFS development Mike Kavulich	SRW App current and new development Jeff Beck
9:15	Instructor introductions				
9:30	UFS Overview and Vision Hendrik Tolman				RRFS development Jacob Carley
9:45					
10:00	Overview of SRW App Release Jamie Wolff	FV3 Dycore Overview Lucas Harris	NCEP Libraries Kyle Gerheiser	Address differences between release and develop branch clone/build Dom Heinzeller	Break
10:15					Running the SRW App in the cloud Raj Panda or Christina Holt
10:30	Break	Break		Break	
10:45	How to build the SRW App Linlin Pan	FV3 Dycore Non-Hydrostatic Component Lucas Harris	Break	UFS app development, walkthrough for individual component Dom Heinzeller	GFDL development Lucas Harris
11:00			Unified Post-Processor Tracy Hertneky		
11:15	How to run the SRW App Julie Schramm	Overview of the FV3 Limited Area Model (LAM) Functionality Jacob Carley			Open Discussion
11:30				Lunch	
11:45	Lunch	Overview of the Extended Schmidt Gnomonic (ESG) grid Jim Purser and Chan-Hoo Jeon	Plotting capabilities Ben Blake		Lunch
12:00					
12:15		Defining a New Domain Gerard Ketefian	Lunch		
12:30		Lunch		CCPP for Developers Laurie Carson	
12:45	Configuring the Workflow Gerard Ketefian				Optional Hands-on Practice
13:00					
13:15			Hands-on Practice		
13:30	Hands-on Practice	Hands-on Practice		Open Discussion/Q&A	
13:45					
14:00					
14:15					
14:30					
14:45					
15:00					End of Training!

Instructor Introductions

- Invite you to turn on your camera, unmute, and say hi!
  - Name, affiliation, and component area(s) of expertise

Jeff Beck
Ben Blake
Jacob Carley
Laurie Carson
George Gayno
Kyle Gerheiser
Lucas Harris
Tracy Hertneky
Dom Heinzeller
Christina Holt
Ming Hu
Chan-Hoo Jeon
Mike Kavulich
Gerard Ketefian
Linlin Pan
Raj Panda
Larissa Reames
Julie Schramm
Hendrik Tolman
Jamie Wolff

- We are excited to welcome 99 registered participants from all across the world!