

Welcome to the Unified Forecast System (UFS) Medium-Range Weather (MRW) Application Users' Training!

Hosted by:

Developmental Testbed Center (DTC)

NOAA's Environmental Modeling Center (EMC) and Geophysical Fluid Dynamics Laboratory
(GFDL)

NCAR's Climate and Global Dynamics (CGD) Laboratory

Agenda:

<https://dtcenter.org/events/2020/unified-forecast-system-ufs-medium-range-weather-mrw-application-users-training/agenda> (password: mrw2020)

Slack Workspace: UFS-MRW-Training (ufs-mrw-training.slack.com)

Instructors / Subject Matter Experts (SMEs)

Please introduce yourself, providing your affiliation and what areas/components you are involved in with the UFS

- Todd Arbetter
- Jeff Beck
- Ligia Bernardet
- Laurie Carson
- Jan-Huey Chen
- Xi Chen
- Grant Firl
- George Gayno
- Kyle Gerheiser
- Lucas Harris
- Dom Heinzeller
- Tracy Hertneky
- Ming Hu
- Mike Kavulich
- Weiwei Li
- Fanglin Yang
- Linlin Pan
- Ricky Rood
- Julie Schramm
- Ufuk Turuncoglu
- Jamie Wolff
- Linjiong Zhou

Agenda Overview

Time (MT)	Day 1 (Wed, 4 Nov, 2020)	Day 2 (Thrs, 5 Nov 2020)	Day 3 (Fri, 6 Nov 2020)	Day 4 (Mon, 9 2020)
900	Welcome (Jamie Wolff, Ming Hu) Instructor introductions (All presenters)	Introduction to NCEP Libraries (Kyle Gerheiser)	GFS Development and Transition to Operations (Fanglin Yang)	
915				
930	UFS Overview (Ricky Rood)	Pre-processing: chgres_cube (George Gayno)	NCEP's Unified Post Processor (UPP) (Tracy Hertneky)	Code Management and Making Contributions to the UFS System (Michael Kavulich)
945				
1000	Break	Common Community Physics Package (CCPP) Overview (Grant Firl)	NCEP's Unified Post Processor (UPP) (Tracy Hertneky)	Code Management and Making Contributions to the UFS System (Michael Kavulich)
1015				
1030	Overview of the UFS MRW App v1.1.0 (Ligia Bernardet)	Break	Break	Code Management and Making Contributions to the UFS System (Michael Kavulich)
1045				
1100	Steps to build and run the UFS Medium-Range Weather App v1.1.0 (Laurie Carson,)	Common Community Physics Package (CCPP) Overview (Grant Firl)	Practical session: Instructors: Linlin Pan, Julie, Tracy, Ming Subject Matter Experts: Fanglin, Tracy, Grant	Code Management and Making Contributions to the UFS System (Michael Kavulich)
1115				
1130	Lunch Break	CCPP Physics: Scientific Overview of Supported Physics Suite (Linlin Pan)	Practical session: Instructors: Linlin Pan, Julie, Tracy, Ming Subject Matter Experts: Fanglin, Tracy, Grant	The Common Community Physics Package (CCPP): developer session (part 1) (Dom Heinzeller)
1145				
1200	Lunch Break	Lunch Break	Lunch break	Lunch break
1215				
1230	CIME Case Control System in UFS MRW App v1.1.0 (Ufuk Turuncoglu)	The GFDL Finite-Volume Cubed-Sphere Dynamical Core (FV3): Formulation and Usage (Lucas Harris, Xi Chen, Linjiong Zhou, Jan-Huey Chen)	Overview of the Short-Range Weather Application (Jeff Beck)	The Common Community Physics Package (CCPP): developer session (part 2) (Dom Heinzeller)
1245				
1300	Break	The GFDL Finite-Volume Cubed-Sphere Dynamical Core (FV3): Formulation and Usage (Lucas Harris, Xi Chen, Linjiong Zhou, Jan-Huey Chen)	Overview of the Short-Range Weather Application (Jeff Beck)	The Common Community Physics Package (CCPP): developer session (part 2) (Dom Heinzeller)
1315				
1330	Practical session: Instructors: Linlin Pan, Julie, Ming, Mike, Jamie Subject Matter Experts: Ligia, Laurie, Ufuk	Practical session Instructors: Linlin Pan, Julie, Ming Subject Matter Experts: Kyle, George, Jeff, Grant, Linjiong, Xi, Laurie	Practical session Instructors: Linlin Pan, Julie, Tracy, Ming Subject Matter Experts: Tracy, Jeff, Jamie, Laurie	The Common Community Physics Package (CCPP): developer session (part 2) (Dom Heinzeller)
1345				
1400	Practical session: Instructors: Linlin Pan, Julie, Ming, Mike, Jamie Subject Matter Experts: Ligia, Laurie, Ufuk	Practical session Instructors: Linlin Pan, Julie, Ming Subject Matter Experts: Kyle, George, Jeff, Grant, Linjiong, Xi, Laurie	Practical session Instructors: Linlin Pan, Julie, Tracy, Ming Subject Matter Experts: Tracy, Jeff, Jamie, Laurie	The Common Community Physics Package (CCPP): developer session (part 2) (Dom Heinzeller)
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1445				
1500	Practical session: Instructors: Linlin Pan, Julie, Ming, Mike, Jamie Subject Matter Experts: Ligia, Laurie, Ufuk	Practical session Instructors: Linlin Pan, Julie, Ming Subject Matter Experts: Kyle, George, Jeff, Grant, Linjiong, Xi, Laurie	Practical session Instructors: Linlin Pan, Julie, Tracy, Ming Subject Matter Experts: Tracy, Jeff, Jamie, Laurie	Open discussion, special topics, Q&A Subject Matter Experts: TBA
1515				

Best Practices

Remember to remain muted unless you are presenting or asking a question!

To reduce bandwidth and distractions, please turn off your camera unless you are speaking

Slack Workspace for questions/comments during the training

- #general: Logistical issues or questions with connecting to Zoom, Google Meet, etc.
- #presentations: Questions or comments that arise during any of the lectures
- #practical: Questions or comments related to issues that come up during any of the hands-on practice session
- #feedback: Comments or suggestions regarding went well or how we might be able to improve the training in the future

Zoom

- Used for all lectures
- If there is a question: Post to #presentations Slack channel (this is preferred over using Zoom chat window) or raise hand and then unmute

Google Meet

- Used for all practical sessions
- Feel free to unmute and ask your question - this will be more of an open forum
- May also post to #practical Slack channel (this is preferred over using Google Meet chat window)
- If one-on-one assistance is required, an instructor will send you a link to a Google Meet session where you can screen share and receive assistance