Joint (21st) WRF - (3rd) MPAS Users Virtual Workshop

Welcome!

~ 650 Registered Remote Participants

60 Countries Represented

8 - 9 June 2020
Boulder, Colorado

Agenda for Model Development Updates

Tuesday, 9 June, 1:00 – 3:00 (All times are Mountain times) **Annual Model Development Updates** Chair: Jordan Powers	
1:00 – 1:15	Introduction Klemp, J., *MMM/NCAR*
1:15 – 1:35	The Weather Research and Forecasting Model: 2020 Annual Update. Dudhia, J., *MMM/NCAR*
1:35 – 1:50	WRFDA 2020 Updates Liu, J., *MMM/NCAR*
1:50 – 2:05	WRF-Chem V4.2: A summary of status, updates and applications. Schnell, J., *CIRES, University of Colorado, Boulder, GSD/ESRL/NOAA*
2:05 – 2:15	Break
2:15 – 2:30	The Model for Prediction Across Scales - Atmosphere: A GPU release, progress on the development of earth system model capabilities, and coming deep atmosphere extensions. Skamarock, W., *MMM/NCAR*
2:30 – 2:45	Recent developments in Noah-MP, its public repository, and initial results from the new WRF-CTSM coupled model. Chen, F., *RAL/NCAR,* M. Barlage, P. Valayamkunnath, D. Lawrence, N. Sobhani, B. Sacks, *NCAR*, and S. Levis *(Sam Levis Consulting)*
2:45 – 3:00	Sharing Physics Between WRF and MPAS with CCPP. Gill, D., *MMM/NCAR,* L. Fowler, M. Chen, C. Craig, J. Dudhia, S. Goldhaber, J. Jang, W. Wang, and K. Werner
3:00 – 3:15	Q&A

NCAR/MMM Support for WRF and MPAS

- We have recently received inquiries regarding the future of the WRF Modeling system
- In response, MMM has prepared and distributed a statement to clarify our continued support for WRF and MPAS
- **We are not planning to retire WRF or step away from its support and maintenance in the foreseeable future.**
- Successful continuing WRF/MPAS model support will require active participation of the research community

NCAR/MMM Support for WRF and MPAS

- Encourage users seeking assistance to take greater advantage of online documentation and previously posted material in the online help forum.
- Promote more active participation of experienced community WRF and MPAS model users in addressing help requests posted to the online forum.
- Require community code contributors to take the lead role in adapting their contributions for community release.
- Enlist participation of community code contributors in addressing users issues relevant to their contributed codes.
- Restrict physics consulting support to an identified subset of all available physics packages, emphasizing supported physics suites.
- Encourage new development efforts led and funded by groups and agencies outside MMM.
- Evolve toward an open-development software engineering (and scientific engineering) paradigm.

Comments welcome through a link on the WRF website

Guidelines for Remote User Participation

- Submit any comments or questions in the “questions” section in the Control Panel.
- If you use a landline, you can submit questions via email (workshop@ucar.edu)
- Moderator will convey questions to the speakers following their presentations.
- Webinar is being recorded and will be made available on the WRF web site.

A short online survey questionnaire will be sent out following the workshop. Please respond, your feedback is important!


WRF
MPAS

Recognition and Remembrance

Thanks to those who worked to make this virtual workshop possible:

- Wei Wang - lead organizer
- Ryan Johnson – web support
- Yemaya Thayer – web pages
- Kelly Werner – webinar testing
- Ming Chen – webinar testing
- Dave Gill – webinar testing

Kris Marwitz