

Model for Prediction Across Scale - Atmosphere: Update

Bill Skamarock NSF NCAR/MMM

In the presentation we will provide an overview of MPAS-Atmosphere updates available in releases that have occurred since the 2023 workshop. The updates include those in model physics and also those related to infrastructure. We will also review progress in our ongoing development efforts for MPAS-A including GPU capabilities, coupling capabilities, Large-Eddy-Simulation (LES) capabilities, further physics development, chemistry capabilities, and the use of MPAS-A in other earth system model frameworks.