

P2 Fostering community involvement in the advancement of physical parameterizations for the NCEP Unified Forecast System.

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NOAA's Next-Generation Global Prediction System program is funding the Global Model Test Bed (GMTB) within the Developmental Testbed Center to create a software infrastructure and governance process for facilitating the transition of research to operations of atmospheric physical parameterizations. To that end, GMTB has developed the Common Community Physics Package (CCPP), a freely-available and well supported collection of physical parameterizations with a framework that enables community scientists to contribute innovations to be considered for operational implementation. The physical parameterizations of the operational Global Forecast System (GFS) implemented in June 2017 are available in the CCPP v1 public release and work is underway to add more schemes, including selected parameterizations distributed with the WRF model. In this poster, we will provide information on how the community can access the tools provided by GMTB and collaborate with its staff in the development and testing of physical parameterizations.