

2.6 Developmental Testbed Center: Status update and outlook.

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The primary mission of the Developmental Testbed Center (DTC) is to facilitate the transition of research related to Numerical Weather Prediction (NWP) into operations. To fulfill this mission, the DTC (i) provides user and developer support for community NWP systems in close collaboration with the system developers, (ii) performs testing and evaluation of promising new NWP techniques, as well as the operational systems, to inform the operational implementation process, and (iii) brings together the research and operational NWP communities through workshops, tutorials and the DTC Visitor Program. Currently, the DTC focuses its activities in five task areas: regional ensembles, data assimilation, hurricanes, verification and physics for global applications. This presentation will provide a high level overview of the breadth of current DTC activities, including avenues for the community to engage in key areas of research directed at helping EMC address model performance issues, and an outlook for the future.