

# 2017 TBPG Workshop DTC Roundup

Abstract

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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 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. The DTC focuses its activities in five task areas: regional ensembles, data assimilation, hurricanes, verification and global applications through the Global Model Test Bed under NOAA's Next Generation Global Prediction System (NGGPS) initiative. In this presentation, we will highlight recent DTC activities, including our new activities focused on establishing effective mechanisms for the transitioning research to operations as NCEP works towards implementing NGGPS. We will also discuss lessons learned from DTC R2O activities, and give a perspective on future directions of the DTC.