

Scientific Visualization of Ensemble and NBM probability fields in the Cloud

Dana Strom (NOAA/NWS/OSTI/DFSB, Silver Spring, MD)

Scientific Visualization of Ensemble and NBM probability fields in the Cloud

This talk will cover the scientific visualization techniques and enhancements for the Global Ensemble Forecast System (GEFS) Viewer and National Blend of Models (NBM) Viewer. While utilizing Amazon Web Services technologies, MDL is able to streamline data processing, and provide an enhanced user experience by utilizing dynamic scaling and load levelers. In addition, this talk will provide details about the scientific data provided by the user interfaces, and how they can be used to support NWS Field operations.