EFP Spring Forecasting Experiment
Project Descriptions & Details
PIs: Israel Jirak (SPC) and Adam Clark (NSSL)

Click here to apply!
The deadline for applications is March 4, 2024. Candidates will be selected shortly thereafter.

WHEN – April 29–May 3, May 6–10, May 12–17, May 20–24, May 28–31 both in-person* & virtual

WHERE – Hazardous Weather Testbed, National Weather Center, Norman, OK & Online
*In-person participation will comply with DOC COVID-19 Workplace Safety Plan

WHAT – The Storm Prediction Center (SPC) and the National Severe Storms Laboratory (NSSL) invite you to participate in experimental forecasting and evaluation activities either in-person or online as part of the annual HWT Spring Forecasting Experiment (SFE):

- Activities are formulated to provide evidence-based information on how best to design convection-allowing models (CAMs) and ensemble systems (the operational HREF evolved from these efforts), and to explore innovative ways to extract relevant information from CAMs and create calibrated probabilistic hazard guidance for high-impact weather events using AI/ML techniques.
- The SFE efforts support NOAA plans to develop a simplified, Unified Forecast System (UFS). The 3-km grid-spacing Rapid Refresh Forecast System (RRFS) will be evaluated against the HRRR and HREF, as it is scheduled to replace those systems in NWS operations in 2025.
- The focus of the experiment is directly aligned with NWS FACETs and Warn-on Forecast (WoF) programs, including examination of real-time forecasts from a prototype WoF ensemble system and mesoanalysis activities.
- To accomplish these goals, the SFE brings together major model development organizations in the US (EMC, GSL, NSSL, GFDL, and NCAR) to work collaboratively in improving community modeling for future implementation into NWS operations.

WHY – NWS forecaster participation in the HWT SFE is essential to facilitate meaningful interactions between the development and operational communities that will accelerate research-to-operations transitions. In particular, this provides opportunities for forecasters to provide feedback to ensure that new guidance, products, and visualization approaches meet their needs. This is a unique opportunity to see and influence the future of NWS forecasting tools for high impact weather.

WHO – Any forecaster or SOO who wants to be on the cutting-edge of NWS science developments please consider participating either in-person or virtually in the innovative, exciting SFE activities for one week during the April 29–May 31 period.