

## **Discussion: Ensemble System Configuration** (Hogsett/Bright)

- How to determine the optimal configuration (resolution, size, ICs/LBCs, physics, etc.)?
  - Testing by EMC, DTC, and/or research community?
- How to optimize use of computational resources?
  - Global, mesoscale, and cloud-permitting ensembles?
  - Time-lagged ensembles?
- Future of multi-center ensembles?
  - New “NAEFS” including ECMWF ensemble?

## Discussion: Ensemble Forecasting and Probabilistic Guidance (Hogsett/Jirak)

- How do we make best use of ensemble guidance?
  - NDFD remains deterministic
  - Ensemble visualization tools are underdeveloped
  - Filling the training gap for ensemble-based DSS
- Division of labor between EMC and downstream users for probabilistic guidance development.
  - Is there a dividing line?
  - How to avoid duplication of effort?
  - Do users prioritize a high-quality underlying system or advanced post-processed products?
- Role of virtual labs and cloud for development and data dissemination?