Kentucky, HIRES
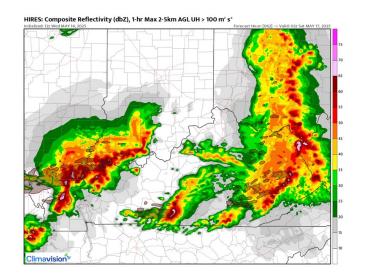## Severe Storms
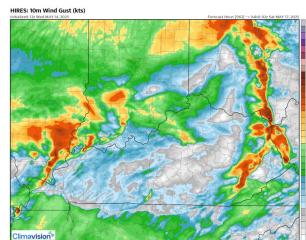
HIRES in KY

Severe Storms

On May 14, Climavision's Horizon AI HIRES model identified the potential for a line of storms capable of producing damaging winds and embedded tornadoes across Kentucky—forecasting the threat more than 48 hours in advance of the event on May 16.
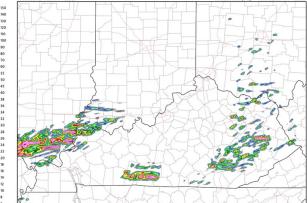
At that range, public forecasters typically depend on lower-resolution guidance, as no other publicly available high-resolution models extend that far out. HIRES gave meteorologists the early signal and increased confidence to prepare for a significant severe weather event well ahead of time.

By the morning of May 16, the HRRR model finally aligned with the threat—but by then, HIRES had already been alerting forecasters for more than two days.

HIRES run from 12Z May 14, valid at 02Z May 17 (10 pm May 16 local time)

CASE STUDY