

Short-Term Forecast: Mesoscale Modeling

How much would a 2-degree improvement in your short-term weather forecast save your company? A typical utility saves \$250,000 per day with an accuracy gain of this magnitude.

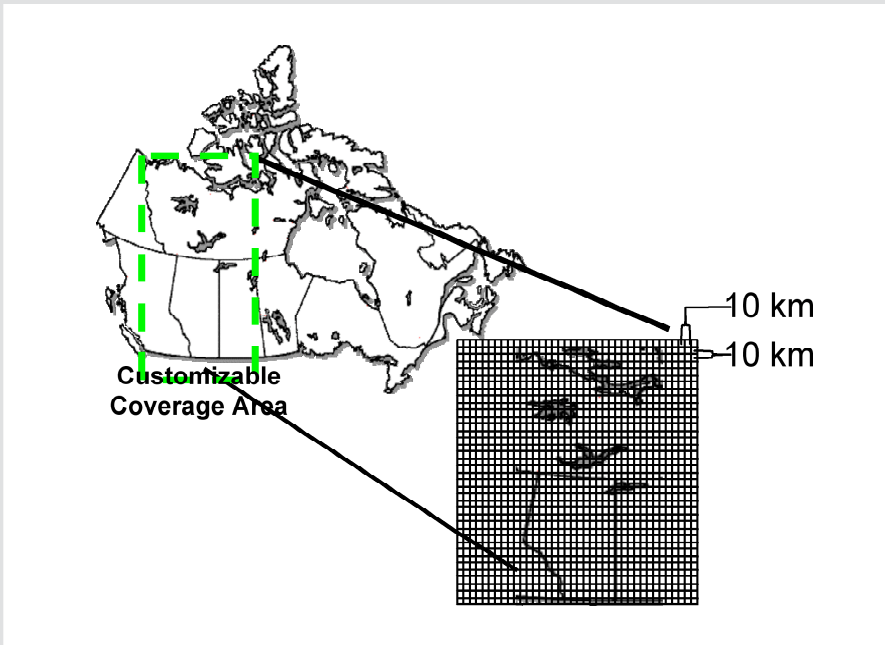
First Enercast Financial builds customizable, high-resolution regional models designed to deliver an average accuracy gain of 2.0 degrees over existing short-term weather products.

- Models fundamental physics of the atmosphere including temperature, precipitation, solar radiation, wind, and other variables.
- Integrates raw real-time observational data from over 2,000 standard stations, over 1,000 “mesonet” stations, as well as satellites and other observational networks.
- Computes forecast data at 30-second intervals (provided hourly), modeled at a 1–10 km grid over any desired region.
- Provides running comparison of our forecast to actual and NWS top forecast models.
- Provides the longest lead-time notification for market-impacting weather events.
- Delivers all variables: temperature, dew point, wind speed, sky condition, heat index
- Historical record of all forecasts.

First Enercast Financial

vs.

US Government & Vendor Products



- 1 km x 1 km resolution 3-D grid across the desired area
- Forecasts at every 1 km grid point at up to 30-second intervals
- Incorporates meteorological micro-physics
- Quantified accuracy advantage
- “Step level” resolution advantage
- Fully customizable implementation

- Limited forecasts from weather stations
- Constrained to official government station sites
- No numerical modeling (i.e., only statistical corrections)
- Subjective interpretations of government forecasts

REQUEST A CONSULTATION

- Full presentation of First Enercast Financial’s modeling technologies
- Assessment of weather data needs
- Understanding of financial impact from weather

Contact First Enercast Financial at (303) 860-7494 or at info@FirstEnercastFinancial.com