



# PROBABILISTIC FORECAST MARKET LOSS

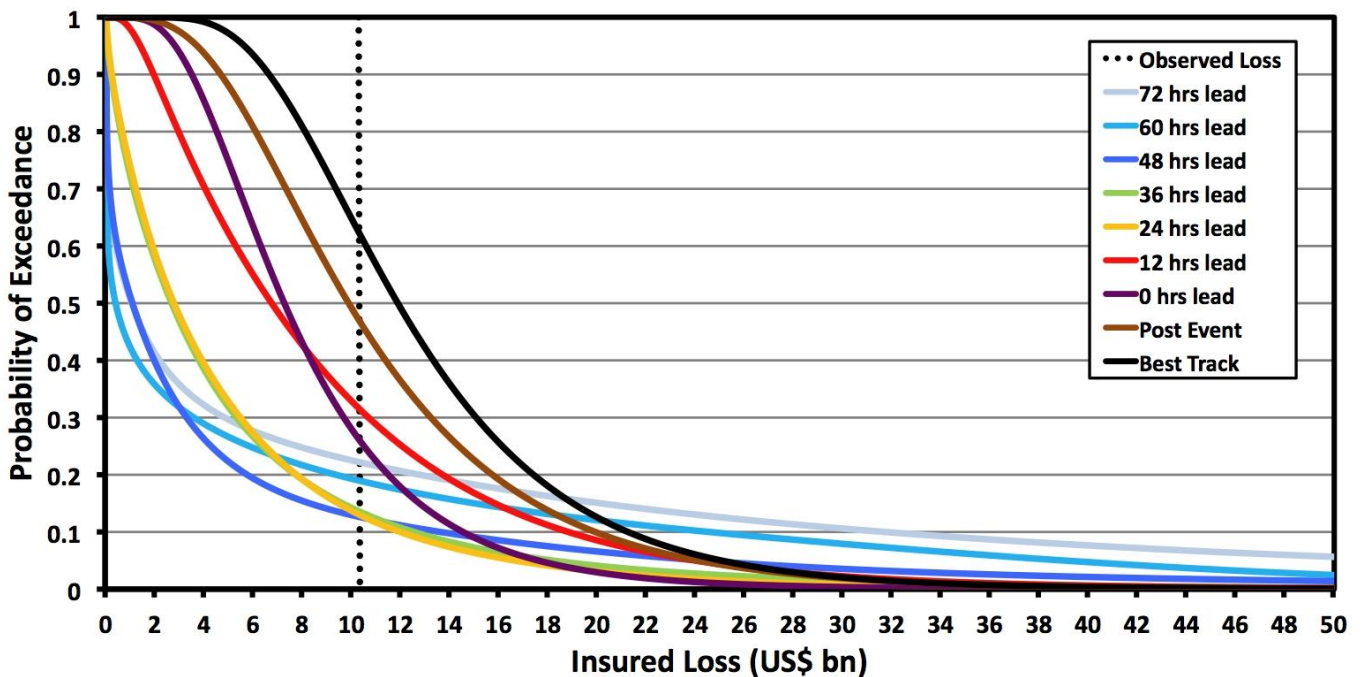
Tropical Storm Risk (TSR) Business data help (re)insurers to better manage their real-time risk from live tropical storms worldwide. TSR's new probabilistic forecast market loss out to 120hrs lead product is being introduced in beta mode for the 2011 hurricane season. This innovative product gives probabilistic real-time estimates of US market loss by coastal state.

## Business Benefits

The TSR probabilistic forecast market losses deliver:

- Early and realistic potential loss information.
- Full range of possible loss scenarios.
- Forecast wind losses based on a real event.
- Forecast losses updated in real-time.

## Key Features



*Product example for Hurricane Wilma (2005). Displays the TSR real-time probability for the insured market loss exceeding different thresholds at different lead times before Florida landfall. Also displays the TSR probabilistic immediate post-event loss and the probabilistic loss computed using best-track data.*

- Provides probability of market loss exceedance (ie the chance the insured market loss will exceed different thresholds) out to 5 days before landfall.
- Provides probabilistic forecast losses by US coastal state.
- Employs the TSR Ensemble Forecast Windfields and the TSR innovative loss methodology.
- Includes the uncertainty in forecast storm track, the uncertainty in forecast storm intensity and the uncertainty in the insured loss for each ensemble forecast windfield.
- Provides market losses normalised to 2010 societal conditions.
- User-friendly information with probabilistic forecast losses provided in excel chart and spreadsheet form.

## Accuracy, Timeliness and Availability

- High accuracy wind modeling (assessed against post-event station wind observations 2004-2009).
- Accurate loss modelling (TSR real-time loss estimates outperform slightly the early post-event losses for Florida striking hurricanes issued by Cat modelling companies).
- Real-time product issued within 30 mins of a public forecast advisory.
- Available up to 5 days in advance and updated every 6 hrs for US striking storms.

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