



## **Estimating Hurricane Rates in a Changing Climate**

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The estimation of hurricane risk is of life-and-death importance for millions of people living on the West Coast of the Atlantic. Risk Management Solutions (RMS) provides products and services for the quantification and management of many catastrophe risks, including the risks associated with Atlantic hurricanes. Of particular importance in the modeling of hurricane risk, is the estimation of future hurricane rates. We are interested in making accurate estimates over the next 5-years of the underlying rates associated with Atlantic Hurricanes that make landfall. This presentation discusses our methodology used in making these estimates.

Specifically, we discuss the importance of estimating the changing environments, both local and global, that affect hurricane formation and development. Our methodology combines statistical modeling, physical insight and modeling and expert opinion to provide RMS with accurate estimates of the underlying rate associated with landfalling hurricanes in the Atlantic.