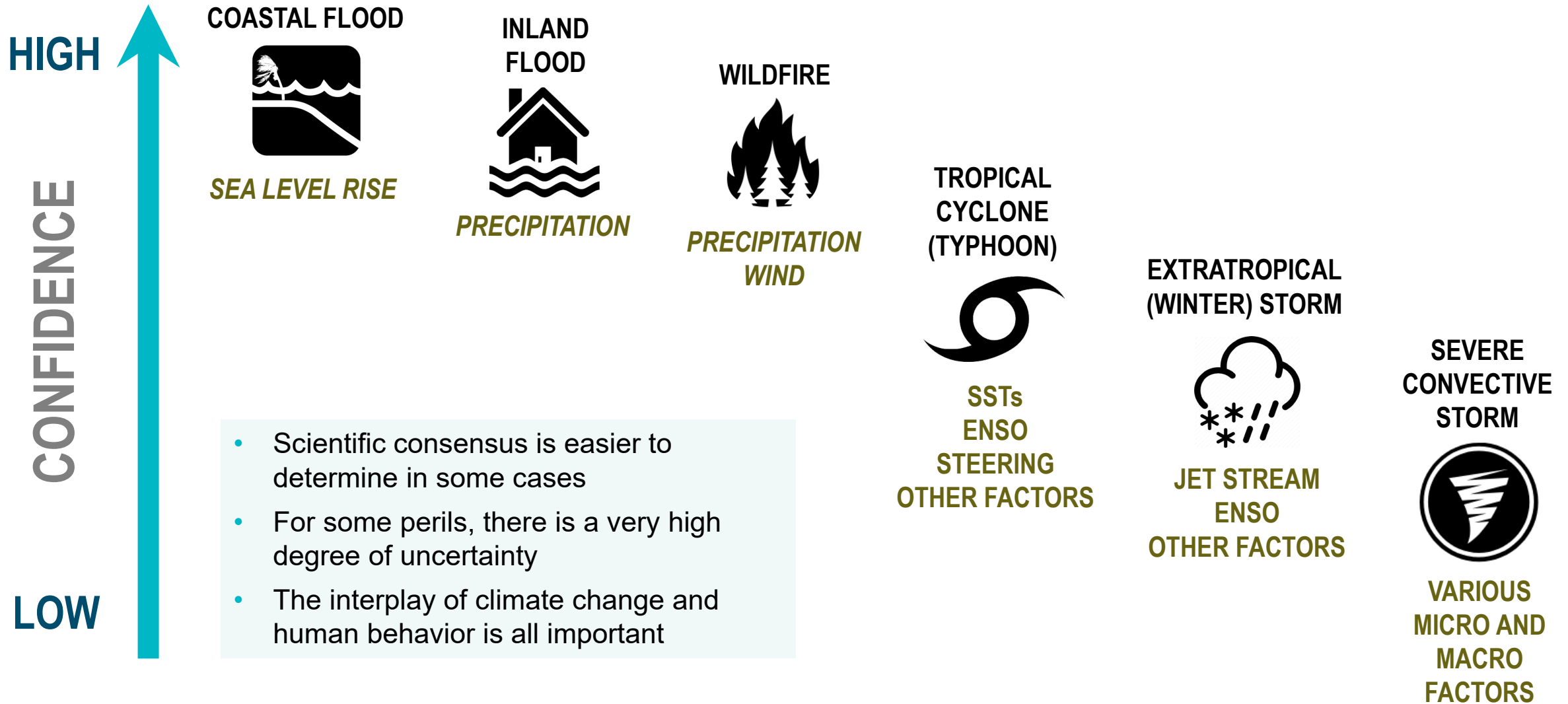




Climate modeling and the exposure of US residential real estate

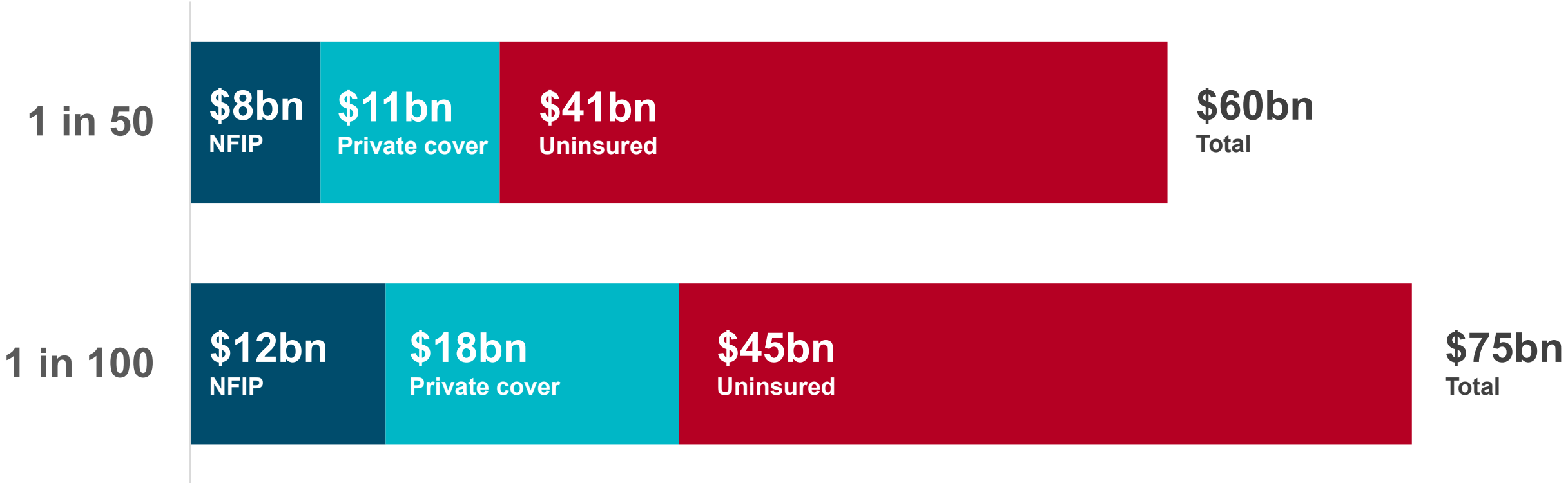
Ben Brookes, VP Consulting Services, RMS

Understanding the uncertainties of Climate Change





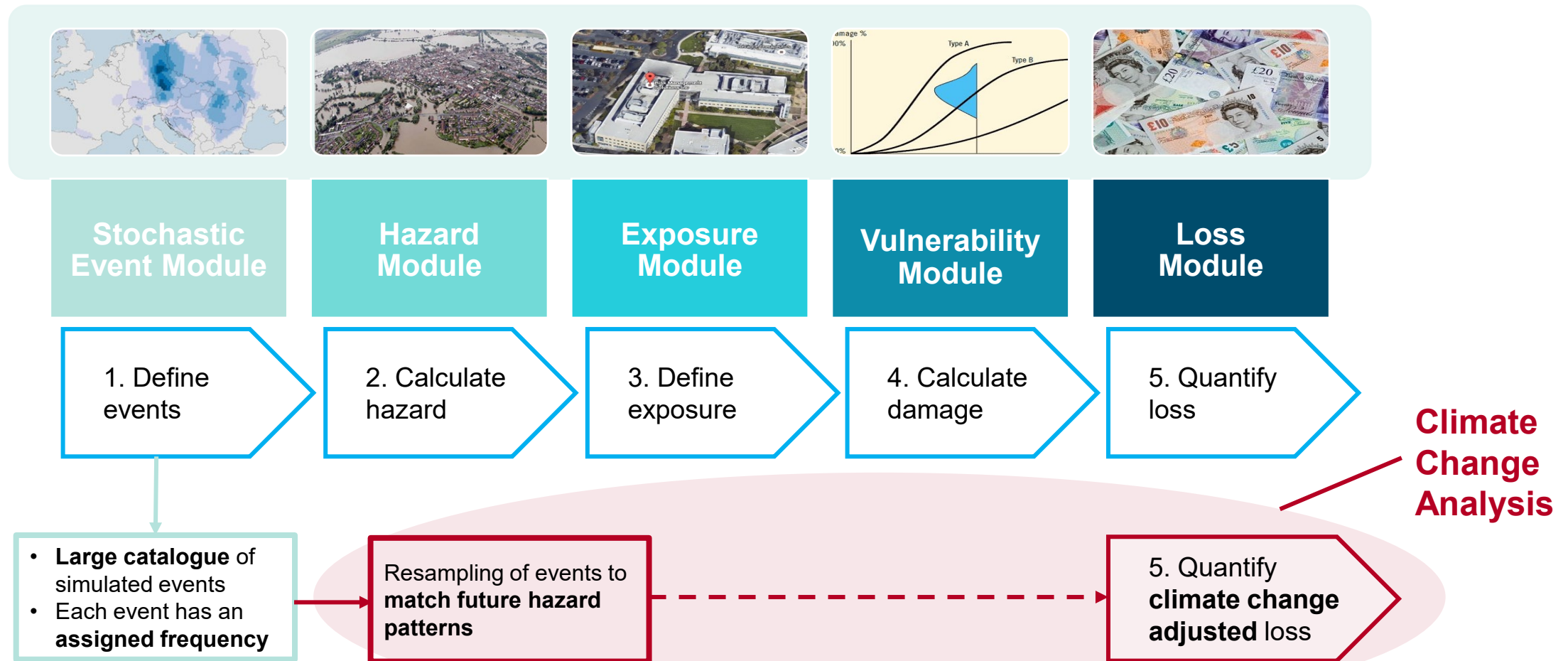
Roughly **two-thirds** of residential flood loss goes **uninsured**



Source: RMS insured and economic loss analysis, 2021. Figures rounded for presentation

The Physics of Climate and Catastrophe Risk

Combination of **hazard and vulnerability modeling** to generate **monetary losses and/or impact**



Core Competency: We Understand How Specific Assets React



Opportunities to better understand climate risk

Stakeholder	Impact/Risk	How RMS flood models help
Policy Holders	Significant Risk/ Financial Exposure	Awareness and Education
Insurers	Coverage Expansion Opportunity Higher Customer Satisfaction	Underwriting, Portfolio Management, Treaties
Governments	Risk to Tax Base Potential Liability?	City Planning and Resiliency
Mortgage Lender	Default Risk	Portfolio / Exposure Management
Financial Services	Unknown Risk to Financial Instruments	Portfolio / Exposure Management



Thank you.