

# News Release

1166 Avenue of the Americas  
New York, NY 10036  
917 937 3000

Contacts:

**Jennifer Ainslie**

Guy Carpenter  
+44.20.7357.2058

[Jennifer.Ainslie@guycarp.com](mailto:Jennifer.Ainslie@guycarp.com)

**Elizabeth Miller Kroh**

Guy Carpenter  
+1.215.380.2079

[Elizabeth.Kroh@guycarp.com](mailto:Elizabeth.Kroh@guycarp.com)

## GUY CARPENTER LAUNCHES PROBABILISTIC VIETNAM FLOOD MODEL

**New York, November 9, 2020** – Guy Carpenter & Company, LLC, a leading global risk and reinsurance specialist and a business of Marsh & McLennan Companies (NYSE: MMC), today announced the launch of its new Vietnam Flood Model. The fully probabilistic model provides countrywide coverage and enables insurers to assess their exposure to floods, which affect 70% of the country's population.

The Guy Carpenter Vietnam Flood Model is based on a 10,000-year stochastic catalogue simulating both fluvial (riverine) and pluvial (rainfall) flooding. The fluvial component of the hazard was developed using state-of-the-art hydrological and hydraulic modeling to simulate rainfall and river discharges across the river network in the country. Pluvial flooding is simulated using a proprietary, in-house methodology accounting for local climate conditions, soil type, land use, and topography.

Offering enhanced flexibility, the model can produce event-loss tables, occurrence exceedance probability curves, and average annual losses at virtually any level of aggregation. The model outputs can be leveraged using Guy Carpenter's MetaRisk® platform to analyze reinsurance structures and for capital modeling.

"The population of Vietnam is particularly exposed to flood," said Tony Gallagher, CEO of Guy Carpenter's Asia-Pacific region. "The Red River delta in the north of the country is very heavily populated and includes extensive industrial areas and the capital city Ha Noi. The Mekong delta in the south, which also has a large population, is very important for agriculture. Additionally, the country is subject to both typhoon and monsoon. These factors combine to create a challenging situation and our Vietnam Flood Model is helping to address these risks. Guy Carpenter is dedicated to working with our clients to help them understand and manage their exposure to natural perils."

The new Vietnam model is the latest in a series of Guy Carpenter models for the region that includes Thailand, Malaysia, Philippines and Indonesia.

### TAGS/KEYWORDS

Guy Carpenter, Marsh & McLennan, MMC, Vietnam, flood, model, Ha Noi, Ho Chi Min, typhoon, monsoon, climate change.

### About Guy Carpenter

[Guy Carpenter & Company, LLC](#) is a leading global risk and reinsurance specialist with more than 3,100 professionals in over 60 offices around the world. Guy Carpenter delivers a powerful combination of broking expertise, trusted strategic advisory services and industry-leading analytics to help clients adapt to emerging opportunities and achieve profitable growth. Guy

## **GUY CARPENTER LAUNCHES PROBABILISTIC VIETNAM FLOOD MODEL**

November 9, 2020

Carpenter is a business of [Marsh & McLennan](#) (NYSE: MMC), the world's leading professional services firm in the areas of risk, strategy and people. The company's 76,000 colleagues advise clients in over 130 countries. With annual revenue of \$17 billion, Marsh & McLennan helps clients navigate an increasingly dynamic and complex environment through four market-leading businesses including Marsh, Mercer and Oliver Wyman. For more information, visit [www.guycarp.com](http://www.guycarp.com) and follow Guy Carpenter on LinkedIn and Twitter @GuyCarpenter.