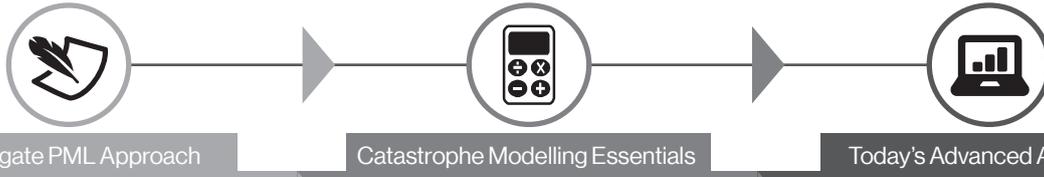


Willis Re View of Catastrophe Risk

Innovation

The business world now has to manage overwhelming levels of information that impact decision making



Catastrophe analytics has become more complex in response to an increased availability of information. Those who harness information more effectively than others develop a competitive edge. We bring to clients solutions that take advantage of new knowledge and technologies and apply them in innovative ways to enhance risk decision making. A selection of key analytical highlights from Willis Re in 2018 is presented below.

Tropical cyclone climate change scenarios

Demand is increasing for methods to quantify the physical risk from climate change. Our ability to create global tropical cyclone footprints can be easily adapted for future climate scenarios.



Building on our work with NCAR (National Center for Atmospheric Research)

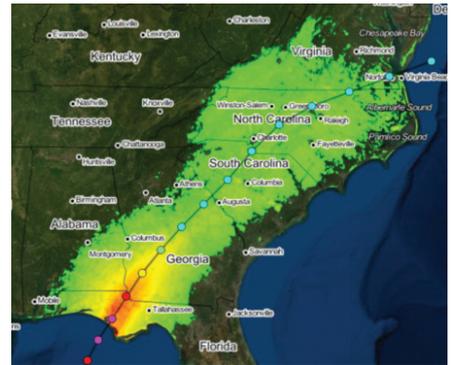


Apply climate adjustment to increase severity of storm and generate footprint



Stress test portfolios against 'as-if' footprint to assess capital adequacy

Pioneering methodology applied to assessing climate resilience



Bespoke pandemic model solutions

Current vendor models deliver a one-size-fits-all solution, making customisation challenging. Our in-house bespoke pandemic model enables clients to reflect their own view of risk



Full transparency of all model components and documentation



Integration of country specific basis risk



Customisation of model outputs and metrics

Customised extreme mortality model to reflect your own view of risk

Earthquake risk quantification fit for purpose

Demand for up-to-date models in the Middle East and North Africa (MENA) region with a uniform View of Risk and consistent coverage is increasing



Client adoption of the View of Risk in the MENA region

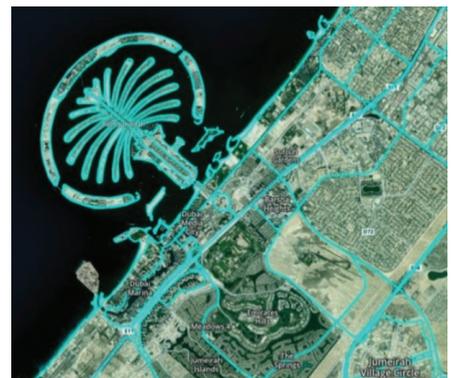


Comprehensive event set developed in collaboration with WRN



The flexible exposure grid captures exposures on reclaimed land

Providing a robust quantification solution and new view of risk



Willis Re View of Catastrophe Risk

In a changing world, being equipped with functional risk solutions to assess and quantify catastrophe risk is paramount. The Willis View of Risk (WVoR) assists clients by working through the range of models to establish their own internal view and more accurately understand, communicate and efficiently mitigate their own risk. Willis Re seeks a full understanding of what is and isn't captured in these models and how to consider the complexities and uncertainties in Catastrophe Risk modelling. To enable our client to form a View of Risk, Willis Re takes a dual approach of **enhancing and validating existing models** and **building new solutions when needed**. Risk management decisions that influence capital management within the insurance lifecycle are supported through the **six pillars of Own View of Risk, Reinsurance, Portfolio Optimisation, Innovation, Regulatory** and **Willis Research Network**.



September 2019

How can we help?

To find out more, please contact your local client advocate or Catastrophe Analytics associate.

Karl Jones

T: +44 (0)20 3124 7488

E: karl.jones@willistowerswatson.com

Vaughn Jensen

T: +1 952-841-6641

E: vaughn.jensen@willistowerswatson.com

© Copyright 2019 Willis Limited / Willis Re Inc. All rights reserved. No part of this document may be reproduced, stored in a retrieval system, or transmitted in any form or by any means, whether electronic, mechanical, photocopying, recording, or otherwise, without the prior written permission of Willis Limited/Willis Re Inc. Nothing herein constitutes or should be construed as constituting legal or any other form of professional advice. This document is for general information only, is not intended to be relied upon, and action based on or in connection with anything contained herein should not be taken without first obtaining specific advice from a suitably qualified professional. The provision of any services by Willis Re Inc. / Willis Limited will be subject to the agreement of contractual terms and conditions acceptable to all parties.



[willistowerswatson.com/social-media](https://www.willistowerswatson.com/social-media)

Willis Limited, Registered number: 181116 England and Wales.
Registered address: 51 Lime Street, London, EC3M 7DQ.
A Lloyd's Broker. Authorised and regulated by the Financial Conduct Authority for its general insurance mediation activities only.

Copyright © 2019 Willis Towers Watson. All rights reserved.
WTW302014/09/2019

[willistowerswatson.com](https://www.willistowerswatson.com)

WillisRe