



## OPPORTUNITY TO JOIN THE ACTUARIAL CONTROL FUNCTION AT OLD MUTUAL INSURE

Join our high calibre short-term insurance actuarial team where you will have extraordinary learning and career growth opportunities.

January 2023



**Role Title: Senior Manager: Catastrophe & Climate Change Modelling**

**Location: Johannesburg**

### DUTIES AND RESPONSIBILITIES

We are looking for an outstanding individual to join the team reporting to the **Head Capital Modelling & Optimisation**. Your role will be to establish and manage a catastrophe risk center of expertise for the Old Mutual Insure (OMI) and Old Mutual Africa Region (OMAR) P&C groups & to further manage catastrophe modelling services and climate change risk modelling across the group.

#### The core responsibilities will include:

- Manage catastrophe model inputs and results from external vendors and develop internal catastrophe models for the OMI group
- Partner with external providers of catastrophe modelling expertise, as required
- Own, build, parameterize, refine, and validate the company's internal catastrophe models.
- Co-ordinate both within OMI/OMAR P&C groups and with the wider Old Mutual group to determine catastrophe modeling needs
- Improve the application of catastrophe modelling within the OMI/OMAR P&C group
- Provide catastrophe model results based on internal and external models on at least an annual basis, with more frequent updates as might be required
- Working with the ACF and Risk teams, ensure the appropriateness of the methodologies and underlying models used as well as the link to the assumptions made in the business plans and SAM standard formula capital requirements.
- Assess the sufficiency and quality of the data used in the calculation of catastrophe risk
- Contribute to the effective implementation of the risk-management system, with respect to catastrophe modelling and climate change, including suggesting or leading data quality improvement initiatives
- Contribute to the use of catastrophe models in underwriting decisions and pricing models.
- Contribute to the formulation of business strategy through the use of the catastrophe models in decision-making, risk quantification, evaluating strategic alternatives, input into business planning and similar applications.

#### Experience, knowledge & skills required:

- Bachelor's and Post-Graduate degree / Qualification in Actuarial Science, another financially oriented quantitative discipline, or PhD in meteorology, geology and atmospheric sciences.
- Expert knowledge of catastrophe modelling techniques and use of catastrophe modelling results.
- Deep knowledge of application of reinsurance.
- Management experience.
- At least 5 years of experience building and maintaining catastrophe models for a short-term insurer / reinsurer, or at least 8 years of advanced quantitative modelling.
- Excellent knowledge of data manipulation techniques in SQL/R/Python and GIS software.

Please submit you CV or enquiries to [margaret.ledwaba@ominsure.co.za](mailto:margaret.ledwaba@ominsure.co.za) before 24 January 2023