



Italy Earthquake Model

Offering the latest understanding of seismic science and engineering specific to Italy

SHARE Seismic Hazard Data

Italy is a seismically active country with an extensive history of damaging earthquakes. In 2012 a sequence of earthquakes in the Emilia-Romagna region caused widespread regional devastation and \$1.6 billion in insured loss. Only a few years previous to this in 2009, losses of \$502 million were incurred from the L'Aquila earthquake in the Abruzzo region. These damaging earthquakes bring rise to the need for a granular, up-to-date, detailed risk model to appropriately and rationally estimate risk and obtain a better understanding of capital adequacy.

As the seismological community continues to make advancements in the understanding of seismic hazard, the Seismic Hazard Harmonization in Europe (SHARE) collaborative project¹ was designed to develop a seamless hazard map across Europe. This project highlighted an increased area of seismicity in Italy's Po River Valley, learning that it has a much higher level of hazard than previously believed. The SHARE seismic hazard map, released in November 2013, forms the basis for the hazard module in the Italy Earthquake Model from CoreLogic®.

A Comprehensive Analytic View of Risk

When assessing earthquake risk, one must be able to anticipate and manage the potential damage and insured loss to their books of business. By offering a comprehensive analytic view of risk², the Italy Earthquake Model from CoreLogic incorporates the latest science¹, engineering, building practices and lessons learned from the 2009 and 2012 earthquakes. This offers a robust model output to quantify the risk to a specific building to help develop better pricing models and retain appropriate capital reserves.

Global Catastrophe Modeling Platform

Available through a suite of catastrophic risk management products from CoreLogic, the Italy Earthquake Model is included in the global multi-peril catastrophe modeling platform, RQE® (Risk Quantification & Engineering). RQE is a statistically robust simulation platform delivering high confidence outputs. As one of the most comprehensive full simulation Catastrophe Modeling solutions in the market, we offer a wide range of analytics outputs allowing for the accurate assessment of catastrophe exposure, both gross and net of reinsurance contracts that can be used to inform underwriting decisions, pricing, diversification, portfolio accumulations and capital requirements.

CATASTROPHE
RISK
MANAGEMENT

Key Benefits:

- ▶ One of the first models in the market to implement SHARE hazard data
- ▶ Offers a competitive advantage with a current, accurate, relevant model
- ▶ Enables confidence in risk management based decisions
- ▶ Validated against recent historical events
- ▶ Fit for Purpose to aid in regulatory compliance, such as Solvency II

Why Consider CoreLogic?

Increasing catastrophic events are challenging the P&C insurance industry to revisit existing catastrophic risk management and loss adjustment strategies by improving the overall understanding of all natural hazards. CoreLogic is dedicated to the science of understanding natural hazard risk and focused on delivering decision support data and products to the insurance industry. With a staff of Ph.D.-level scientists and engineers, we have taken risk assessment a step further by developing a proprietary methodology that enables a more granular level of risk management control and reporting. Catastrophe Risk Management from CoreLogic offers a comprehensive look at risk by evaluating probable events, and verifying current and post event impacts.

About CoreLogic Insurance Solutions

CoreLogic delivers unique and comprehensive data, analytics and services to property & casualty companies—powerful information found at the core of smart decisions. We offer more than 180 Catastrophe risk models worldwide and more than 30 natural hazard and weather peril verification reports.

¹ The Seismic Hazard Harmonization in Europe (SHARE) project is an accepted seismic hazard model for the European-Mediterranean region by the seismological and engineering communities that forms the baseline for European building codes.

² Based on 300,000 years of simulation.

FOR MORE INFORMATION, PLEASE CALL 866-774-3282
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