

Actuarial expertise in reinsurance

The optimal design of reinsurance protection makes a significant contribution to the success or failure of a company. Whether traditional or structured reinsurance, simulation-based valuation approaches are a valuable aid in the selection of a reinsurance structure. Meyerthole Siems Kohlruss determines a technical price for all common forms of risk transfer, calculates the actual and regulatory risk relief according to Solvency II and examines the balance sheet effects.

Quotation

Pricing in reinsurance is usually very individual. For non-proportional treaties, we determine an independent technical quotation based on burning cost, simulation and exposure procedures. For proportional cessions, we determine the expected loss and expense ratio, taking into account major and catastrophe losses. In addition to individual data, market information is also included in the quotation.

Optimisation

The function of reinsurance [RI] is essentially based on the cedant's risk capital savings. We map various reinsurance programmes for our clients' portfolios in a simulation model. Based on a given rate level, we determine the "good" programmes and make recommendations on the future reinsurance structure.

Risk modelling for natural disasters

The probability of natural disasters occurring is usually determined by modelling agencies. These are based on meteorological models and in practice often differ greatly from one another. We also use the results of these agencies for risk modelling. In addition, we use classic actuarial models based on the company's individual claims experience. This gives our customers a second perspective on their natural disaster exposure.

Settlement of reinsurance contracts

The settlement of reinsurance contracts is being terminated prematurely at an increasing rate. In most cases, the termination is by mutual agreement. In some cases, however, the value of the portfolio is disputed or the termination is only at the instigation of one party, e.g. as part of a solvent scheme of arrangement. We prepare expert opinions on the economic value of the remaining settlement and the safety margins to be applied. We also comment on the limits of actuarial methodology.

Clients

- > Insurance and reinsurance companies
- > Captives and industrial companies

Meyerthole Siems Kohlruss

Meyerthole Siems Kohlruss was founded in Cologne in 1998 as the first German actuarial consultancy and supports insurance companies in strategic decisions and operational processes. The focus is on data pools, pricing, telematics, cyber, sustainability, balance sheet valuations, reinsurance, Solvency II and IORP II.

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