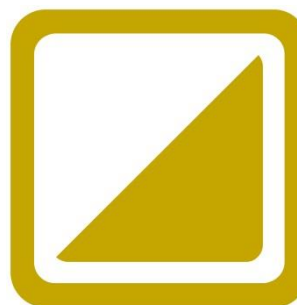# LoReTo

## Loss Reserving Tool

The assessment of reserves is one of the core assignments of actuaries. Following the introduction of Solvency II in January 2016, the complexity and importance of this task have increased enormously. The evaluation whether reserves are appropriate is a main task of the Actuarial Function and an essential part of the Solvency II balance sheet.

Meyerthole Siems Kohlruss offers LoReTo, a proportional software approach for the analysis and assessment of reserves.

The system is based entirely on Excel™, offers an intuitive use and high transparency in the assessment of reserves. At the same time a broad variety of possible operations meet the demands of the new regulatory regime.
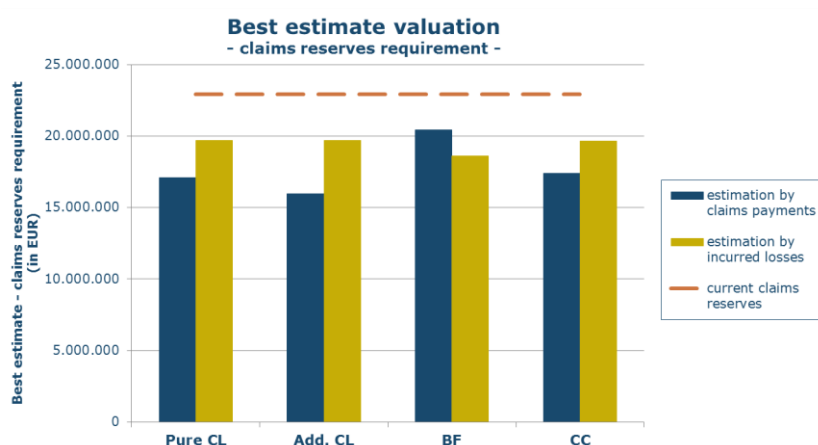
## Advantages

> Intuitive use and process-oriented structure

> Parallel analysis of paid and incurred triangles

> Assessment of the quality of reserves with modern actuarial processes (Chain Ladder, Additive Chain-Ladder, Bornhuetter-Ferguson, Cape Cod)

> Flexible modelling of tail functions for Longtail-Sections using a regression method (Exponential, Weibull, Power, Inv. Power)

> Stochastic reserving using a distribution approach (via Mack standard error)

> Determination of discounted best estimate reserves and future cash-flows according to the requirements of the Solvency II standard model

> Backtesting functionality and transition methods for the intra-year SII-view

> Option of connection to internal processes e.g. determination of the risk margin

We would be glad to extend the software according to your individual needs (additional functionalities, interfaces).

Meyerthole Siems Kohlruss
Gesellschaft für aktuarielle Beratung mbH
Postfach 130 331, D-50497 Köln
Tel   +49 (0)221 42053-0
Fax  +49 (0)221 42053-29

info@aktuare.de
www.aktuare.de

# Example

**Best estimate valuation**
- claims reserves requirement -

Comparison of best estimates

## Systems proven in practice

LoReTo is used by Meyerthole Siems Kohlruss in projects such as the evaluation of appropriateness of actuarial reserves – as part of the Actuarial Function.

## Our expertise

Meyerthole Siems Kohlruss has relevant experience and expertise in the actuarial assessment of reserves. We are happy to share this expert knowledge with you in fields such as

> the assessment of reserves – either one-time or recurring,
> Actuarial Function – either full implementation or support,
> Profitability evaluations,
> Determination of transfer values in loss portfolio transfers (LPT),
> Provision of market data and benchmarks, or
> Professional training sessions in the section of loss-reserving.

## Contact

**Ralf Assenmacher**
Meyerthole Siems Kohlruss
Phone: +49 221 42053-0
E-mail: ralf.assenmacher@aktuare.de

**Daniel Schoberl**
Meyerthole Siems Kohlruss
Phone: +49 (0)221 42053-0
E-mail: daniel.schoberl@aktuare.de