

...For actuaries from actuaries

System:

Sophas is:

- professional tool especially prepared for quick and easy creation and high-speed running of cash flow models in insurance business
- focused particularly on application in mid and small-sized companies within the insurance business



Tailored especially to the following applications:

Solvency and IFRS tasks:

- Figures for Standard Formula Solvency II as well as Internal Models
- Fair and Best Estimate value of liabilities (deterministic or stochastic approach)
- Liability Risk Margin and other margins determination
- Liability Adequacy Test
- Market Value of Assets
- Market Risk, UW Risk, Op. Risk, etc.
- Risk limits monitoring, Value at Risk, ...
- Book Technical Provision and Assets Value check
- Solvency I check
- Scenario testing and stochastic approach
- etc.

Product Pricing and Profitability

- Product Profitability and Performance Measurements
- Analysis of Profit Sources
- Profit Development
- Scenario testing
- etc.



Asset Liability Management (ALM)

- A-L Cash Flow projection (matching)
- A-L Duration, Convexity and other characteristics
- A-L Value (market, amortized, etc.) development and sensitivity to assumptions
- Investment Return and Guaranteed Return projections/comparison
- Investment Strategy testing
- etc.

Controlling and Planning:

- Plans: - complete
 - ready immediately
 - consistent
 - explainable
 - understandable
- Analysis of Profit Sources
- Scenario Testing
- etc.

Value Monitoring:

- Embedded Value, Appraisal Value
- Value of New Business
- Performance Measurements
- Management KPIs
- Other economic values of a company including their development.

All tasks may include scenario testing (even stochastic) and projections.

Service provided:

- License to the System Sophas for an unlimited period
- Actuarial Models Implementation made by Sophas specialists (if asked for)
- detailed training of the system and models to the company actuary
- regular (annual) training free of charge, hot-line, clients info, system adjustments, other technical support



Who is Tools4F:

The company Tools4F specializes in actuarial consultations and creating effective solutions for companies in financial sector. The company is grounded on a motivated team of highly experienced and theoretically advanced experts who are keen on using their knowledge and capacities to help their respected colleagues in the insurance business.