



Insurance Catalogue

Available on www.ReacfinAcademy.com

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Reacfin Academy within our service offering

Leveraging on a unique combination of academic excellence and practitioners experience, Reacfin delivers financial institutions, public bodies and large corporates with pragmatic solutions designed for real-life use while deploying state-of-the-art technical innovations.



Training

Both on-site and online executive education solutions including theoretical and methodological concepts, real-life case studies, exercises.

Available on www.ReacfinAcademy.com



Advisory

Model deployments, calibration, documentation, testing, validation, maintenance and life-cycle management.



Tools & Model developments

Tailored computational solutions designed and developed to smoothly integrate into your company's systems and processes (incl. open-source).



What is Reacfin Academy?

A specialized learning platform for the Financial Industry

Reacfin Academy is the business line of Reacfin s.a./n.v. dedicated to **professional continuous education in Risk, Finance, Actuarial Science, Data Science and the Management of Financial Institutions.**

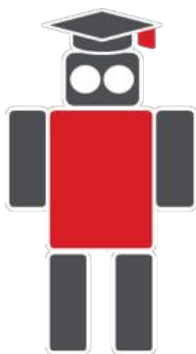
We offer a unique **mix of academic expertise & pedagogy and real-life practitioners' experience.** Many in our staff indeed combine their professional career with lectures on Finance, Risk & Portfolio management, Data Science or Actuarial Science in highly reputed universities.



We focus on serving exclusively **Financial Institutions, Public Bodies and Large Corporates.**

As a result we propose **comprehensive & hands-on** training designed to be directly useable and deliver short-term measurable value. We typically propose tailored solutions where our professional education courses are adapted to the specificity of your firm. All of our training modules can be assorted with **exams and certifications.**

Online & On-site Training



Our offer comprises all building blocks of **eLearning** (SCORM presentations, webinars, interactive virtual classrooms, online exercises, e-certifications, etc.) as well as full Learning Management Systems offering your company with complete turn-key solutions readily available.

We combine these new techniques with **efficient on-site traditional classroom sessions**, offering trainees the opportunity to interact directly with the coaches & professors.

Our training offer typically includes methodological presentations, practical case-studies and interactive exercises (in Excel, R, Python,...), tailored to your firm's needs. Effective knowledge transfer is facilitated by our **"brick & click"** model ensuring:

- Most up-to-date technical support is deployed to best convey the message
- Training modules are available 24/7
- Classroom or one-to-one personal support through on-site interactions / classes
- Our students can allocate themselves the focus they require on more complex matters / topics.



Who do we train?

Your Staff

Ensuring all of your employees have the necessary technical skills, have adequate understanding of your internal policies and have a clear view on the continuously evolving regulatory and business environment in which they have to work.

Your Management & Board Members

Addressing the challenges of the “Fit & Proper” requirements imposed in many recent regulations applicable to Financial Institutions.

Your Brokers & External Distribution Channels

Increasing their selling efficiency while effectively reducing reputational risks that improperly trained sales could create for your brand.

Your Clients (Professional or Retail)

Offering them the possibility to extract most value out of your products & services (e.g. MiFID Financial Markets courses, technical users’ manuals & trainings, etc.).

Our commitment to training

Reacfin has been supporting continuous professional education and organizing on-site training events since its creation in 2004. Over the years, we have developed an unrivaled catalog of state-of-the-art training.

Our complete catalog comprises more than **125 days of on-site training** covering almost all the scope of Risk, Finance, Actuarial Science, Data Science and the Management of Financial Institutions (i.e. insurance companies, banks, reinsurance companies, pension funds, asset manager, market infrastructure, large corporate,...).

A customisable catalogue

The catalogue presented in this document aims at providing an overview of our training offer with a **non-exhaustive list** of existing training material for insurance companies. But we have much more in store! We can always extend our offer at your request, and we have also a specific catalogue available for other financial institutions.

A modern e-learning proposition

We can transform our existing training material into e-learning modules or create new modules in a collaborative way with our clients taking into account their specific needs and requirements.

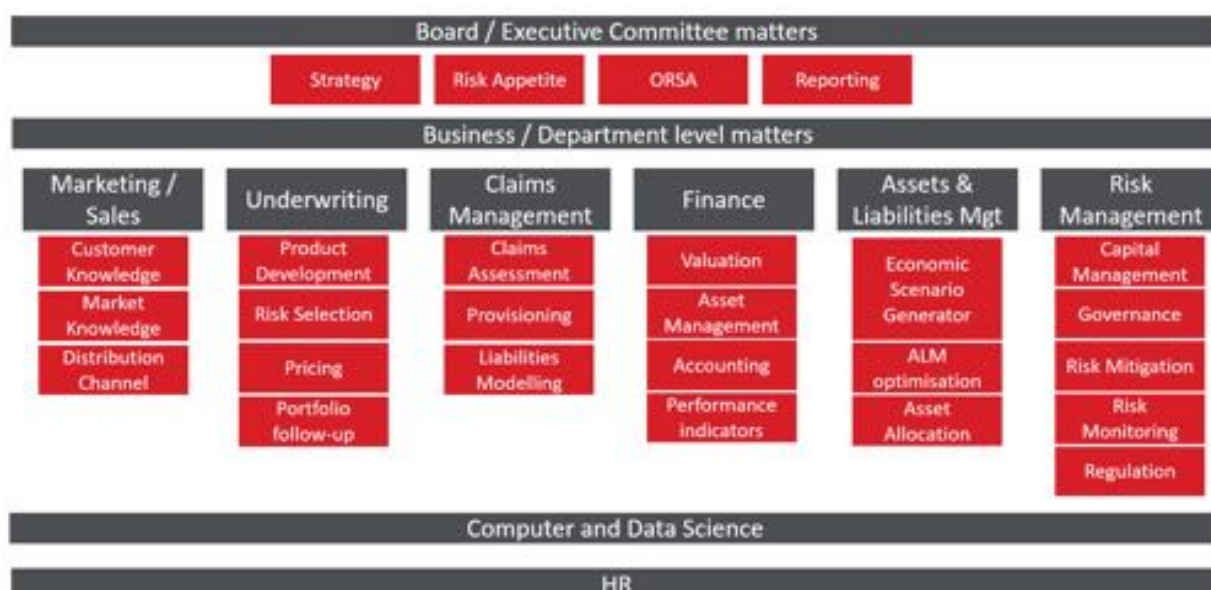
The use of e-learning modules is one of the most modern techniques to acquire knowledge on various topics and reach many collaborators. We already developed e-learning programs for several hundreds or even thousands of employees at some of our clients'.

The main advantages of our e-learning proposition are:

- Interactive animations complementing the voice-over to increase the learning experience
- Optimal pedagogical way to reach a large audience and build transversal training plans for your staff
- Possibility to include specific client's requirements (template, logo, colors, specific voice, videos,...)
- Relevant to interact with other learning means (class-room, workshops, hackathon,...)

Do not hesitate to contact us, and we will be happy to develop with you a training program fitted to your specific needs.

Our training catalogue



Board/Executive Committee matters

Strategy

Risk Appetite

ORSA

Reporting

Reacfin Academy trains management, board members and staff on topics that are the final responsibility of the Board/Executive Committee.

Recent training modules :

- *Pillar 2 ORSA: implementing a consistent ORSA process*
- *Developing a risk appetite framework*
- *Designing and developing efficient reporting dashboards at Financial Institutions*



Business/Department level matters

Marketing/Sales

Customer
Knowledge

Market
Knowledge

Distribution
Channel

Reacfin Academy trains your staff, brokers, external distribution channels and clients at :

- ✓ Better modelling your customer behavior
- ✓ Developing benchmarking practices to analyse your competitors' offer and pricing
- ✓ Assessing the quality of your distribution channel

Recent training modules:

- *Modelling lapses and surrender rates in life insurance*
- *Competition analysis in non-life insurance*
- *Developing a broker efficiency model*

Underwriting

Product
Development

Risk Selection

Pricing

Portfolio
follow-up

Reacfin Academy trains your staff on underwriting practices:

- ✓ Design and develop new products
- ✓ Better price your insurance contracts
- ✓ Adequately classify and select your risks
- ✓ Follow the profitability of your products

Recent training modules:

- *Product mix steering - Building a roadmap for proactive management & monitoring considering client preferences*
- *Benchmarking insurance products*
- *Introduction to non-life pricing*
- *Advanced non-life Pricing & profitability analysis*
- *Computing the premium of classical life insurance products*
- *Introduction to insurance mathematics & actuarial techniques (available for life, non-life, health and worker's compensation insurance)*
- *Periodic and prospective life tables*
- *Using experience rating in non-life insurance*

Business/Department level matters

Claims Management

Claims
Assessment

Provisioning

Liabilities
Modelling

Reacfin Academy trains your staff on claims management practices:

- ✓ Adequately assess your claims in function of their characteristics
- ✓ Develop reliable provisioning practices
- ✓ Model your liabilities' characteristics
- ✓ Take into account the impact of reinsurance treaties

Recent training modules:

- *Computing Mathematical Reserves and Surrender Values for Life Insurance*
- *Loss reserving techniques in Non-Life Insurance (available for triangle, multi-triangles and individual provisioning methods)*
- *The different kind of reserves in Health and Workers Compensation Insurance*
- *Introduction to insurance cash flow modelling in Life Insurance*
- *Modelling future claims in non-life insurance*
- *Multi-State Model for Health Insurance modelling*
- *Extreme value theory application to modelling of large claims*

Finance

Valuation

Asset
Management

Accounting

Performance
indicators

Reacfin Academy trains your staff on finance:

- ✓ Accounting and financial mathematics
- ✓ Asset valuation and asset management
- ✓ Liabilities valuation
- ✓ Development and monitoring and performance indicators

Recent training modules:

- *Introduction to accounting and valuation frameworks (BE GAAP, IFRS 9/17, Solvency 2)*
- *Introduction to financial mathematics and financial instruments*
- *Valuation and Risk Management for Residential Mortgages*
- *Loan book management practices for Insurance companies*
- *Introduction to the Embedded Value of a Life Insurance portfolio*
- *Best Estimate of liabilities in Life, Non-Life and Health Insurance*
- *Direct Real-Estate : Valuation and Risk Management models*
- *Stochastic models for Interest Rates and Credit Spreads*

Business/Department level matters

Assets & Liabilities Management

Economic
Scenario
Generator

ALM
optimisation

Asset
Allocation

Reacfin Academy trains your staff on ALM:

- ✓ Development of Economic Scenario Generators (ESGs)
- ✓ Simulation of evolution of assets and liabilities (cash-flows and values)
- ✓ Optimisation of asset allocation and product mix strategies

Recent training modules:

- *General overview of ALM techniques and market practices*
- *Deterministic and Stochastic ALM models*
- *Impact of Solvency II for ALM*
- *ALM Techniques: Managing the Embedded Value in Life*
- *Institutional Investor Portfolio Risk & Performance diagnostic*
- *Stochastic Simulation and Economic Scenario Generators*
- *Strategic Asset Allocation & Tactical Asset Allocation Assessment*

Risk Management

Capital
Management

Governance

Risk
Mitigation

Risk
Monitoring

Regulation

Reacfin Academy trains your staff on risk management practices:

- ✓ Assess and manage your capital requirements
- ✓ Understand the governance principles
- ✓ Improve risk mitigation
- ✓ Adequately monitor and report your risks
- ✓ Continuously follow the evolution of regulation

Recent training modules:

- *Solvency 2 standard formula: from explanation to calculation*
- *Introduction to risk management at insurance companies : governance, policies & limits settings*
- *Introduction to market risk management*
- *Introduction to Reinsurance*
- *Introduction to securitization in Europe and the US*
- *Designing and developing efficient reporting dashboards*
- *Introduction to Derivatives Overlays: hedging and valuation*

Computer and Data Science

Reacfin Academy trains your staff on:

- ✓ Digitalisation in the insurance industry
- ✓ Data science techniques applied to insurance use cases
- ✓ Use of (statistical) software to analyse your data
- ✓ Data management practices

Recent training modules:

- *Big data and data science in Insurance*
- *Datawarehouses and database structures for Financial Market activities at Banks, Asset Managers and Insurance companies*
- *Market practices for Database Migrations at Financial Institutions*
- *Machine learning and data science for actuaries*
- *Machine Learning techniques applied to credit risk modelling for corporate and retail loan books*
- *Training on (statistical) software used in insurance (R, Python, VBA, SAS, Prophet, Shiny,...)*

HR

Reacfin Academy introduces a large audience among your staff to transversal insurance topics:

- ✓ Regulation (Solvency 2, data protection,...)
- ✓ Functioning of an insurance company (key activities, main regulations, main functions, roles and responsibilities,...)

Recent training modules:

- *Introduction to insurance company functioning*
- *Introduction to regulatory frameworks (Solvency 2, IFRS, GDPR, Anti-Money laundering,...)*
- *Explaining the main functions and their responsibilities in an insurance company*
- *Foundation of data culture and data analytics (e-learning)*
- *The digital way in insurance : ideation, agile, lean startup, emergence of new technologies (e-learning)*

Practical aspects

Languages

We commonly propose training in 3 different languages: Dutch, French or English. However don't hesitate to contact us for courses in other languages as that can probably be arranged.

Geographical coverage for on-site courses

We regularly travel across all of Europe to give on-site courses. Furthermore other international venues can be arranged upon demand.

LMS platform

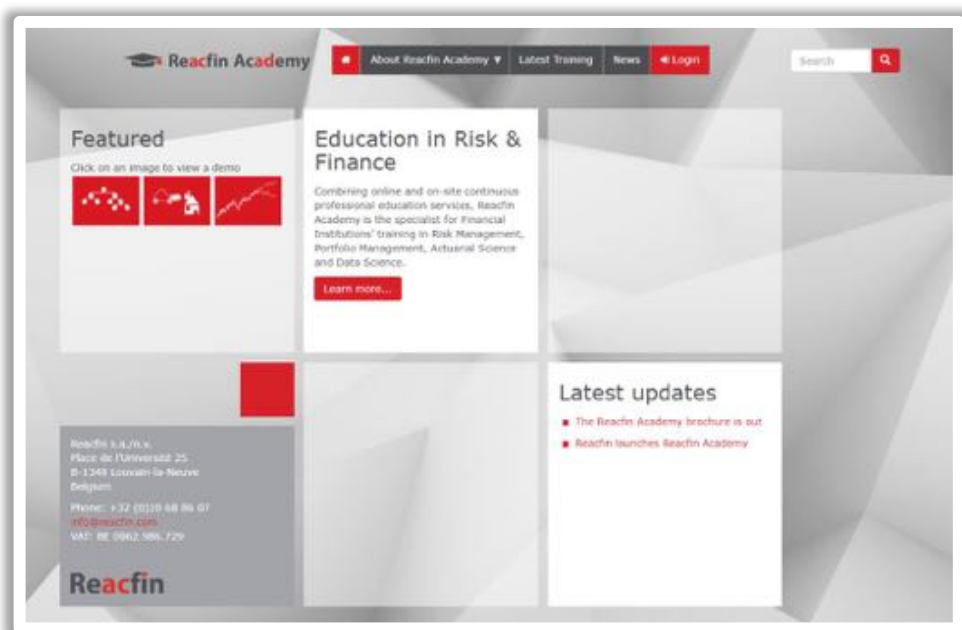
Your company may not be equipped with Learning Management Systems ("LMS"). These are online platforms where all e-learning material, on-line classrooms, testing results, libraries of supporting material, individuals statistics for courses attendance, certifications, etc. can easily be centralized and readily used by the staff, management, distributors or clients you want to train. We offer "white labelled" turn-key solutions for such LMS platforms so that your company is spared of the technical burden this could represent.

What do we offer?

Reacfin Academy proposes both online and on-site education services.

- Our **online services** include:
 - Online dynamic presentations (in SCORM, Flash or Full HTML5 formats)
 - Online tests and certifications
 - Interactive e-classrooms or webinars
 - Online downloadable documentation (e.g. PDF's)
 - Hands-on exercises (e.g. Excel spreadsheets, R code, etc.)
 - Centralized Learning Management Systems (LMS)
- Our **on-site services** include:
 - Traditional classroom training sessions at your place
 - Practical case studies and exercises with trainer support
 - 1-on-1 executive training

Discover us online at
www.ReacfinAcademy.com



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About Reacfin

Reacfin is a consulting firm focused on setting up top quality, tailor-made Risk Management Frameworks and offering state-of-the-art actuarial and financial techniques, methodologies and risk strategies. We focus primarily on serving Financial Institutions.

Developments in finance and actuarial techniques are progressing at a rapid pace. Reacfin assigns highly skilled and experienced practitioners employing advanced analytics and complex predictive models. Our support, which is strongly rooted in the spirit of co-development, allows for an effective transfer of knowledge such that your firm will achieve sustainably improved performance and new competitive advantages.

Reacfin is a spin-off of the University of Louvain (which ranks 1st globally for Master degrees in Actuarial Sciences for the 3rd consecutive year according to EdUniversal). We maintain strong links with the academic world which allows us to stay current and guarantees the independence, robustness and appropriateness of the advice and services we offer.

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