

Actuarial and Risk Modelling Services

We are the market leaders in actuarial and risk modeling services, providing insights and solutions for businesses that face significant and complex risks, not only insurers.

We have built a diverse team of professionals specialising in actuarial analysis, business advice and risk modeling to help our clients to act decisively on the issues that really matter.

We use data to derive business insights and drive evidence-based change; we develop models which help understand financial impacts of transactional and operational changes.



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Our unique offering

Actuarial and Finance Modernisation Catching up on key trends

We help you prepare for future operational, business, regulatory and market demands by identifying the tools, skills, competence and resources which will enable you to achieve your business strategy objectives.

IFRS 17

Driving a new reality

We help you to understand the implications of new standard and provide support for the post-implementation phase

New models and tools require fine-tuning, review and validation. Together with proper assumptions studies, setting up new KPIs for management will allow you to drive the business within IFRS 17 framework with confidence.

Risk Modelling Supporting fact-based decision making

We help you solve complex business problems and mitigate financial risks through actuarial modeling and advanced analytics

We help you improve your competitive position by simulation modeling to sharpen finance/risk models.

Experience Studies and Advanced Analytics

Getting insights out of your data

We help you to test and develop assumption setting processes for reserving and pricing.

We help you to understand, quantify, and forecast risk and uncertainty using a range of statistical and actuarial techniques for regulatory compliance and internal optimisation purposes.

ESG and Climate Risk Modelling

Assessing the risk to climate exposure, measure transition and physical risks

Climate change risks should be incorporated into an insurer's governance and risk management systems, just like any other risks a company may face. We support you in identifying, assessing, and managing climate risks through our advanced modelling tools. With expert guidance on compliance verification for regulations like EU Taxonomy and CSDR, we ensure accurate and transparent ESG disclosures while helping you meet evolving sustainability standards. Additionally, we assist in embedding sustainability and ESG factors into your core strategies for long-term success.

Solvency II Optimisation Identifying suitable solution

Since 2016, Solvency II has become the day-to-day reality of EU insurance companies.

We help insurers to optimise Solvency II reporting and indicators through model review, alternative investments and risk mitigation techniques.

We also help fund managers with product design, Solvency II-related regulatory questions and financial reporting for their (re)insurance clients.

Managed Services and Outsourcing Skilled capacity and solutions on demand

With increasing regulatory burdens, cost pressures and model complexities, many actuarial teams are in need of skilled talent to support actuarial and risk modelling activities.

Our managed actuarial services help you focus on value-added analysis while we ensure the highest possible level of quality in foundational work.

Captive Insurance Improve risk management, lower costs and increase efficiencies

We support you at every stage of the captive life cycle, from feasibility studies, preparing business plans and prudential projections for captive registration and other regulatory consulting, formation to ongoing maintenance and enhancement.

Risk and Capital Management Creating value

We provide you with quantitative insights for business intelligence and support you across all risk aspects which can come in many forms, including climate change, demographic shifts, consumer sentiment.

We help you develop the capital efficiency and effective risk management that are critical to generating favourable and sustainable returns.

Our global network at PwC has more than 2,200 actuarial professionals; our Luxembourg based team understands how it feels to be in your shoes and stands ready to support you.

Contacts:



Pavel Kostyuchenko

Partner,

PwC Luxembourg
+352 621 332 064

pavel.kostyuchenko@pwc.lu



Anasse Laghraib

Director,

PwC Luxembourg
+352 621 333 273

anasse.laghraib@pwc.lu



Alina Vorontsova

Director,

PwC Luxembourg
+352 621 334 796

alina.v.vorontsova@pwc.lu



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