



IT packages for Solvency II

Deloitte 2014 market survey

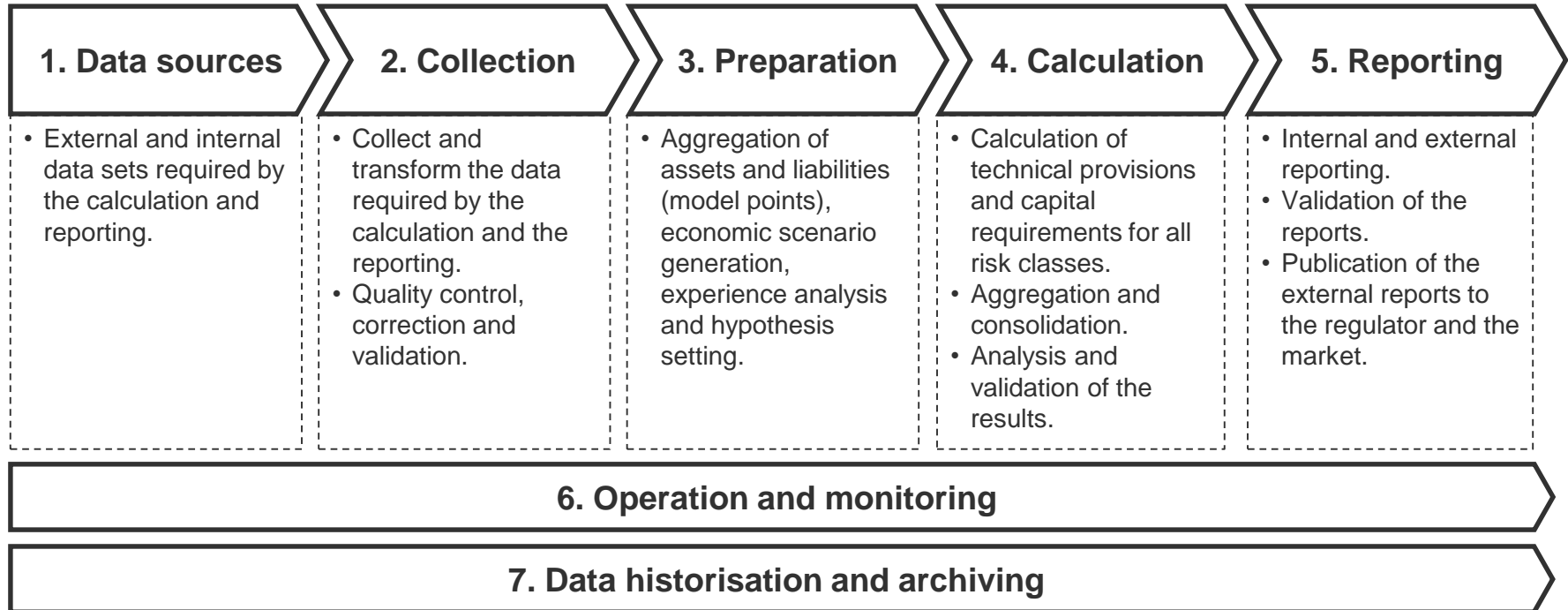
September 2014



The IT perspective of Solvency II

Solvency II calculations and reporting require to process significant amounts of data from multiple data sources. Even if their size and level of ambition vary significantly, almost all insurers are looking to their IT architecture to improve the robustness, performance and flexibility of systems and data flows supporting actuarial, risk and finance processes.

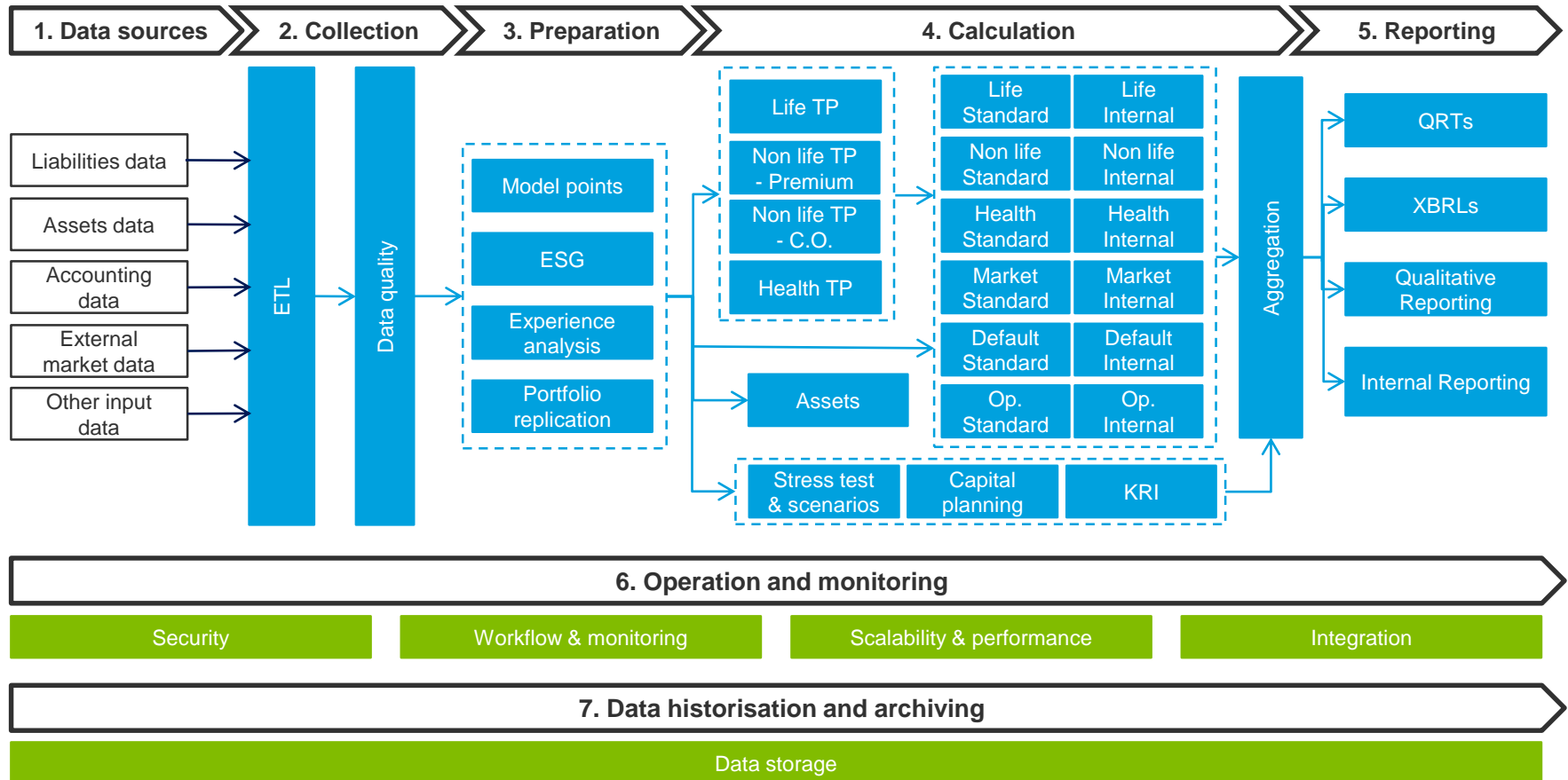
Subsequently, make or buy decisions and potentially package selections take place in order to reach the Solvency II objectives. In order to support the insurers in these activities, Deloitte surveyed packages available on the market to assess their capabilities to support the different steps of a Solvency II process, which, from an IT perspective could be summarized as follows:



Scope of the market survey

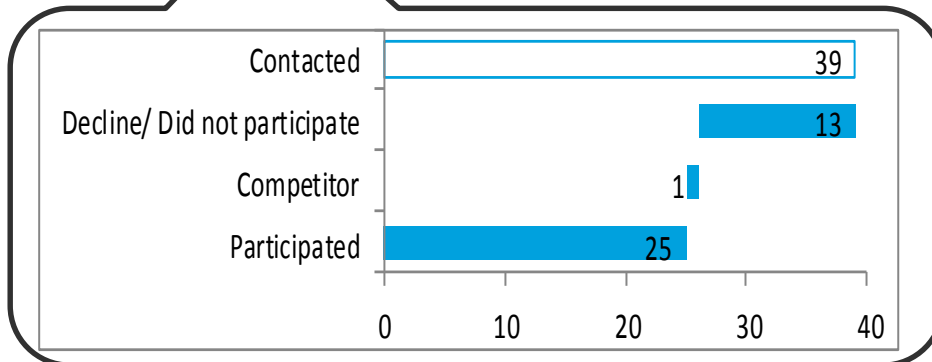
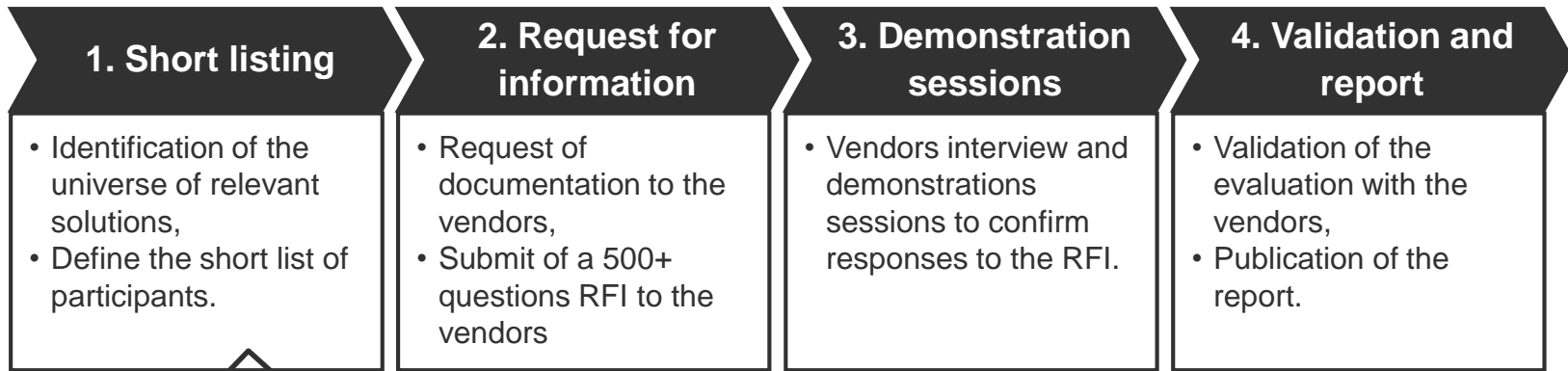
The scope of the study is limited to Risk Management. All other IT domains of the company are excluded (policy administration, accounting, referential, asset management, etc.).

All systems being able to support data collection, preparation, calculation, reporting, monitoring and control as well as storage are considered in scope of the survey (data sources part is out of scope).

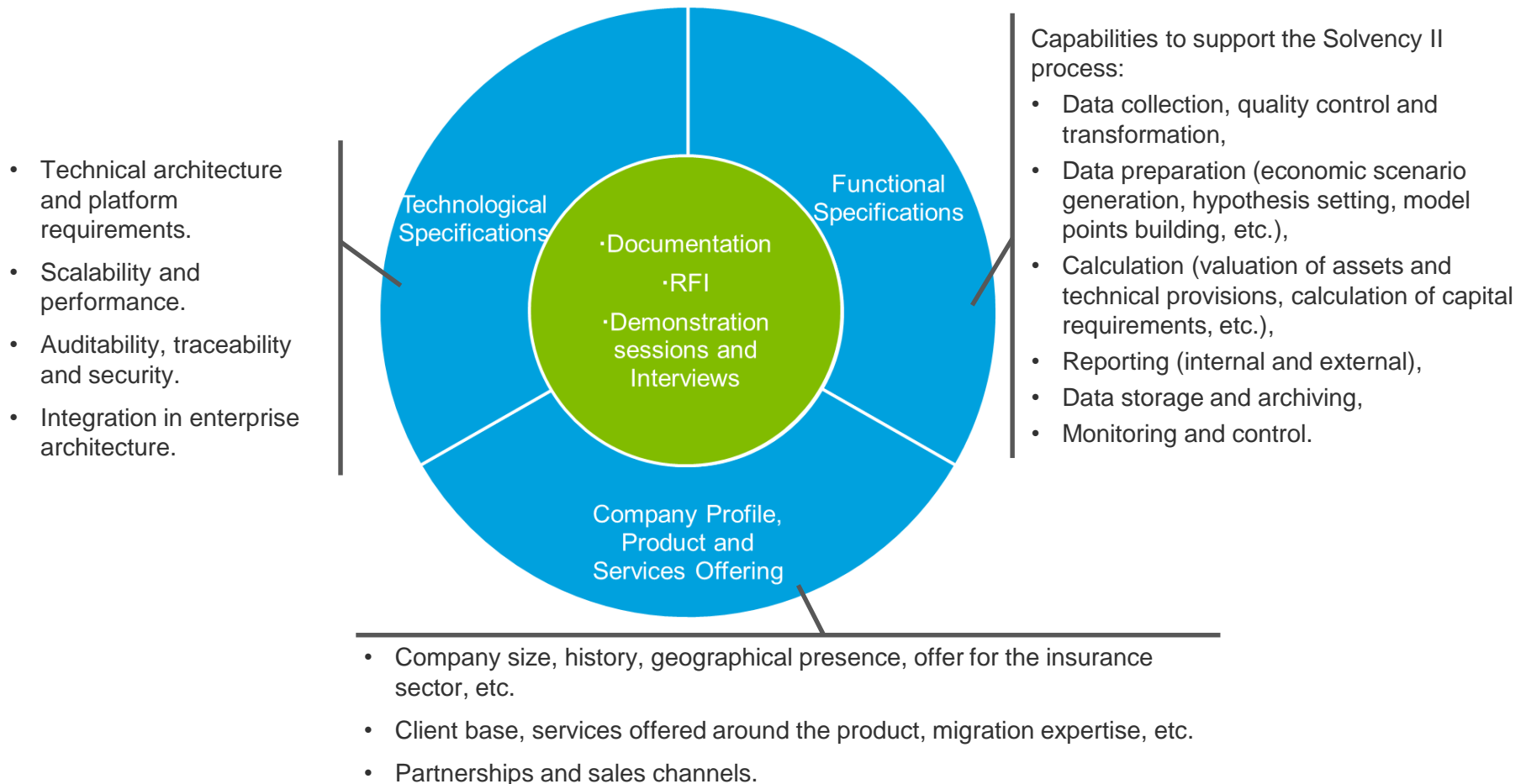


Overview of the evaluation process

The survey started in January 2014 and ended in August 2014.



All aspects of IT solutions have been evaluated thanks to a 500+ questions RFI and demonstration sessions



Evaluation of ADDACTIS Modeling

Product

ADDACTIS Modeling is a modeling platform providing an end-to-end support of the Solvency II process for all lines of business.

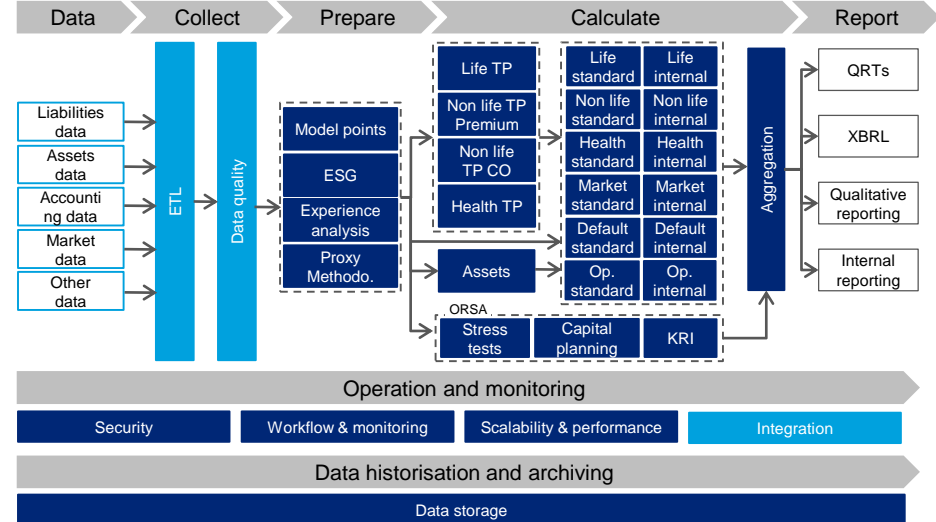
- **Year First released/Current Version:** 2009/V1.7.3
- **Target Geographic Market:** Worldwide
- **Target Insurance Segments:** All
- **#clients using:** 29
- **#employees working on product in R&D/Sales/Integration:**40/30/50
- **Services offered around the product:** Maintenance, support, specific enhancements, consulting, training.

Company profile

- **Main activities:** Actuarial consulting, software provider
- **HQ/Foundation Year:** Paris (France) / 2010 for ADDACTIS Worldwide
- **Office Locations:** Belgium, France, Netherlands, Spain
- **#employees worldwide / Europe:** 155 / 155
- **2012 revenues:** €3.7m
- **Other insurance software:** IBNRS, Pillar 3, Workflow, Prévoyance office, PM Expert, Closing

Strengths

- The system provides full coverage of the standard formula plus predefined models for life, non life, health and market risk calculation.
- The system is natively build on a distributed architecture and provides optimized calculation performance and memory management (e.g. projections can be done policy by policy).
- Advanced integration with Pillar 3, ADDACTIS' tool dedicated to reports production.
- The system allows to easily model the complete structure of a group, including the capital flows between entities as well as reinsurance.
- The system provides complete portfolio replication capabilities.
- Integrated ESG and possibility to import scenarios from external tools.



Legend:

- Not in scope of the survey.
- Not in scope of the system.
- Partially supported even with customization.
- Fully supported with significant customization.
- Fully supported.

Challenges

- Even if the system provides functionalities for valuating the best estimate for provisions for claims outstanding, the vendor recommends to use its other dedicated tool, IBNRS.
- The system proposes ETL and data quality related functionalities but ADDACTIS recommend to perform the preparation of input data beforehand in case of large models (for example via ADDACTIS Workflow).

Contacts

Michel de la Bellière



Partner
Deloitte Paris
Consulting
Tel: +33 140 882 995
Email: mdelabelliere@deloitte.fr

Jean-Pierre Maissin



Partner
Deloitte Luxembourg
Advisory & Consulting
Tel: +352 451 452 834
Email: jpmaissin@deloitte.lu



Deloitte refers to one or more of Deloitte Touche Tohmatsu Limited, a UK private company limited by guarantee (“DTTL”), its network of member firms, and their related entities. DTTL and each of its member firms are legally separate and independent entities. DTTL (also referred to as “Deloitte Global”) does not provide services to clients. Please see www.deloitte.com/lu/about for a more detailed description of DTTL and its member firms.

Deloitte provides audit, tax, consulting, and financial advisory services to public and private clients spanning multiple industries. With a globally connected network of member firms in more than 150 countries and territories, Deloitte brings world-class capabilities and high-quality service to clients, delivering the insights they need to address their most complex business challenges. Deloitte’s more than 200,000 professionals are committed to becoming the standard of excellence.

In Luxembourg, Deloitte consists of 74 partners and about 1,500 employees and is amongst the leading professional service providers on the market. For over 60 years, Deloitte has delivered high added-value services to national and international clients. Our multidisciplinary teams consist of specialists from different sectors and guarantee harmonised quality services to our clients in their field.

This communication contains general information only, and none of Deloitte Touche Tohmatsu Limited, its member firms, or their related entities (collectively, the “Deloitte Network”) is, by means of this communication, rendering professional advice or services. No entity in the Deloitte network shall be responsible for any loss whatsoever sustained by any person who relies on this communication.