

**Deloitte.**

IT packages for Solvency II  
Deloitte 2014 market survey

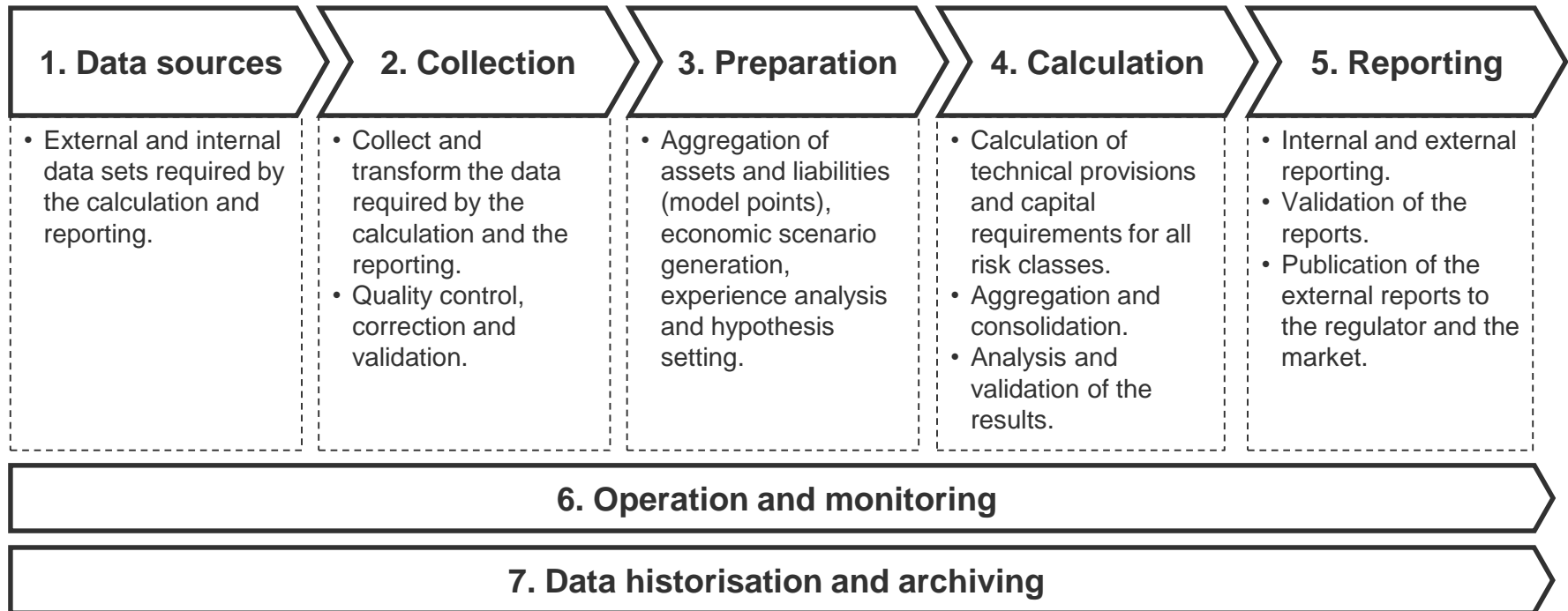
September 2014



# 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.

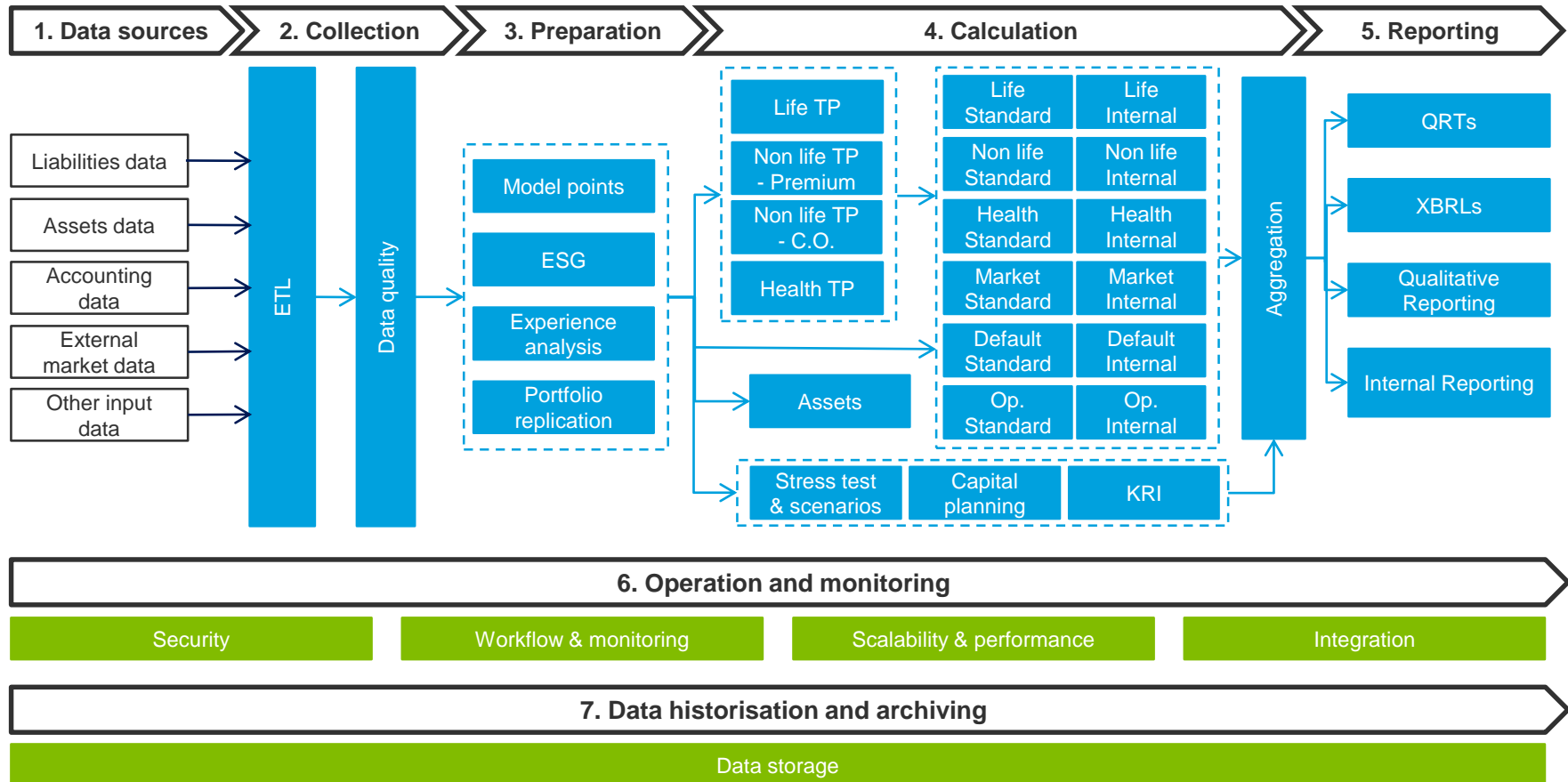
Subsequently, make or buy decisions and potentially package selections take place in order to reach the Solvency II objectives. In order to support the insurers in these activities, Deloitte surveyed packages available on the market to assess their capabilities to support the different steps of a Solvency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



# Scope of the market survey

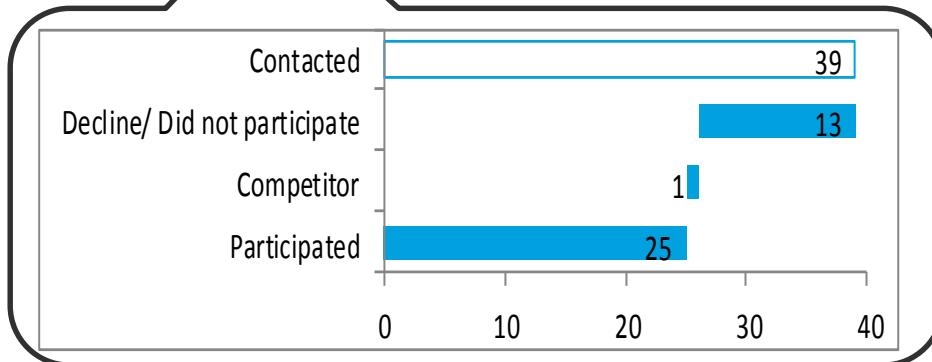
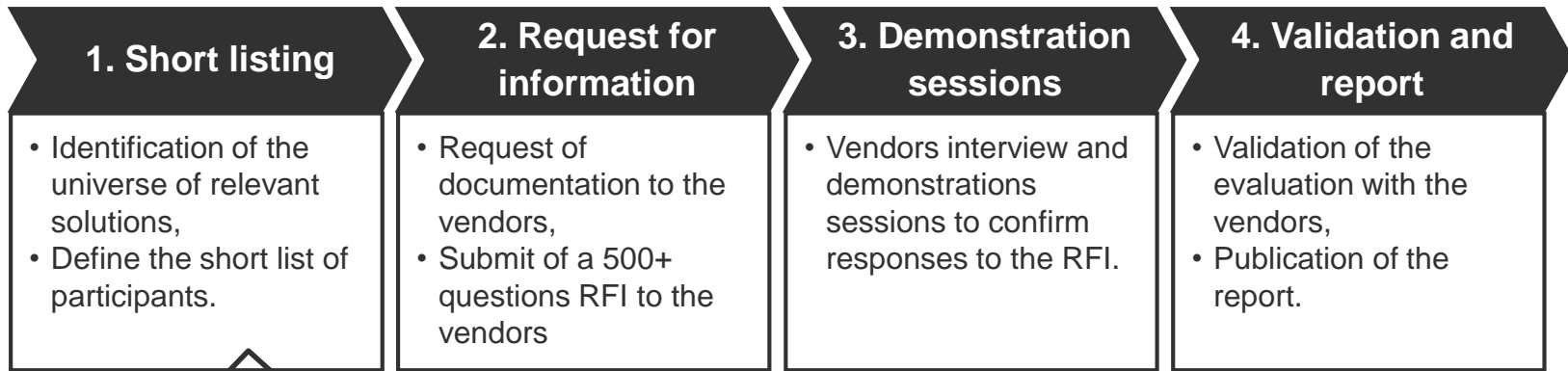
The scope of the study is limited to Risk Management. All other IT domains of the company are excluded (policy administration, accounting, referential, asset management, etc.).

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).

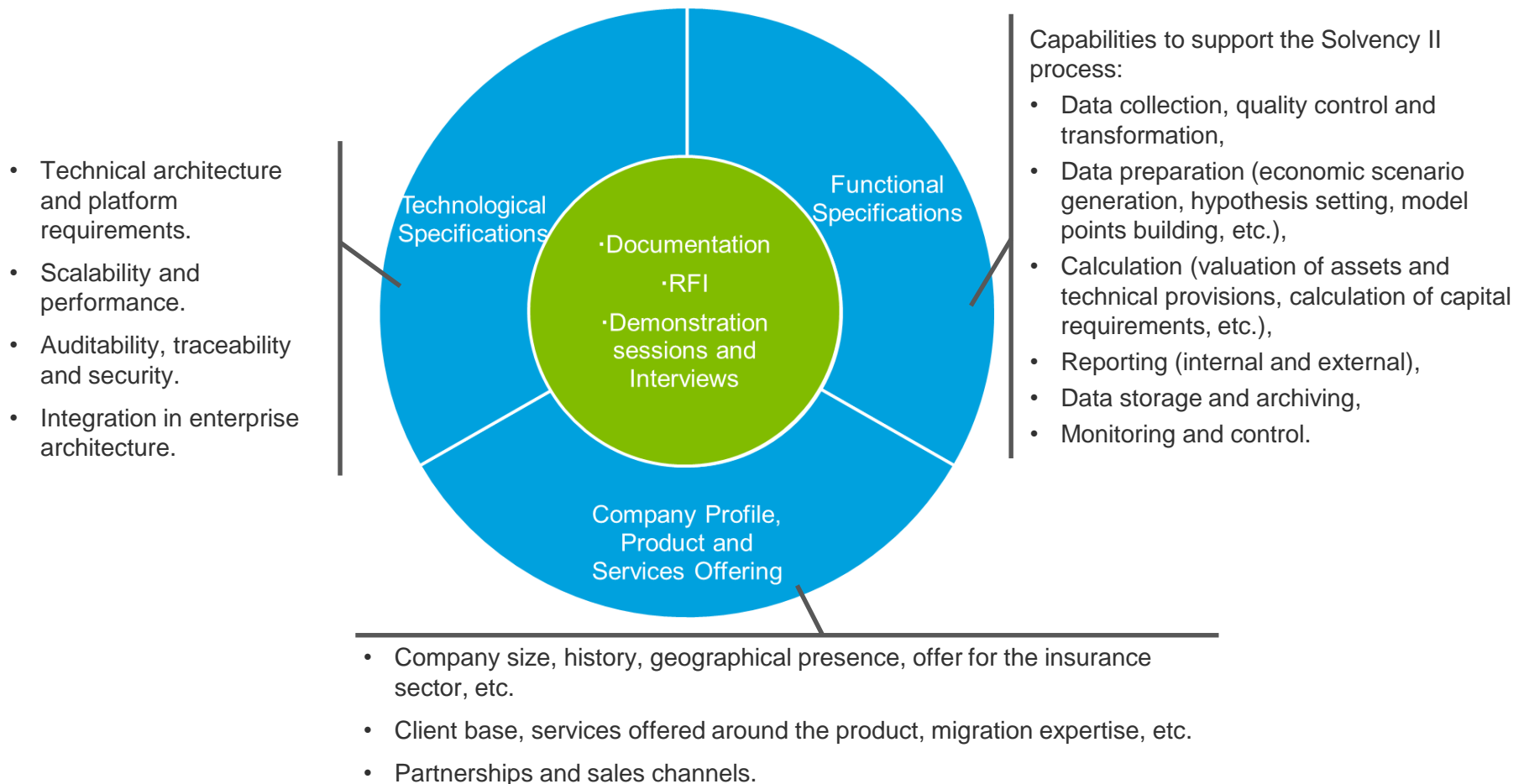


# Overview of the evaluation process

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 IBNRS

## Product

ADDACTIS IBNRS is a specialized solution for non life reserving.

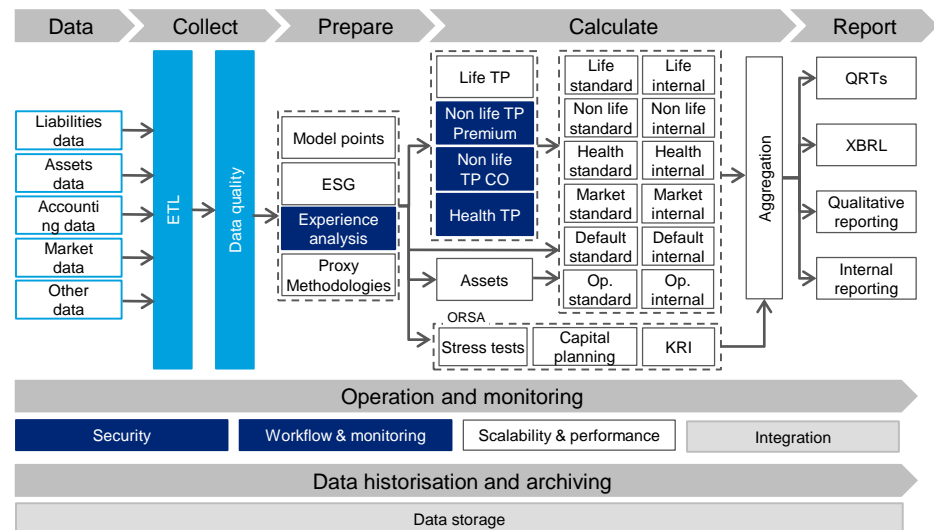
- **Year First released/Current Version:** 2003/V2.7.6
- **Target Geographic Market:** Worldwide
- **Target Insurance Segments:** All
- **#clients using:** 49
- **#employees working on product in R&D/Sales/Integration:** 19/20/12
- **Services offered around the product:** Maintenance, support, specific 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:** Modeling, Pillar 3, Workflow, Prévoyance office, PM Expert, Closing

## Strengths

- Broad range of deterministic and stochastic methods for the valuation of non life technical provisions (including RJMCMC – Reversible Jump Markov Chain Monte Carlo – and Fisher Lange).
- Module allowing to create triangles directly from accounting data.
- Detailed audit trail, traceability and data quality checks integrated into the workflow.
- Large set of methods for curve fitting.



### 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

- In order to prevent mistakes due to manual manipulations (e.g. during parameterisation), the tool sets-up some barriers that might reduce the scope of action of users compared to a fully open solution.

# Contacts

## Michel de la Bellière



Partner  
Deloitte Paris  
Consulting  
Tel: +33 140 882 995  
Email: [mdelabelliere@deloitte.fr](mailto:mdelabelliere@deloitte.fr)

## Jean-Pierre Maissin



Partner  
Deloitte Luxembourg  
Advisory & Consulting  
Tel: +352 451 452 834  
Email: [jpmaissin@deloitte.lu](mailto: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](http://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.