



Risk-Based Capital Regimes in Emerging Markets

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Speakers



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Risk-Based Capital Regimes in Emerging Markets | Presentations

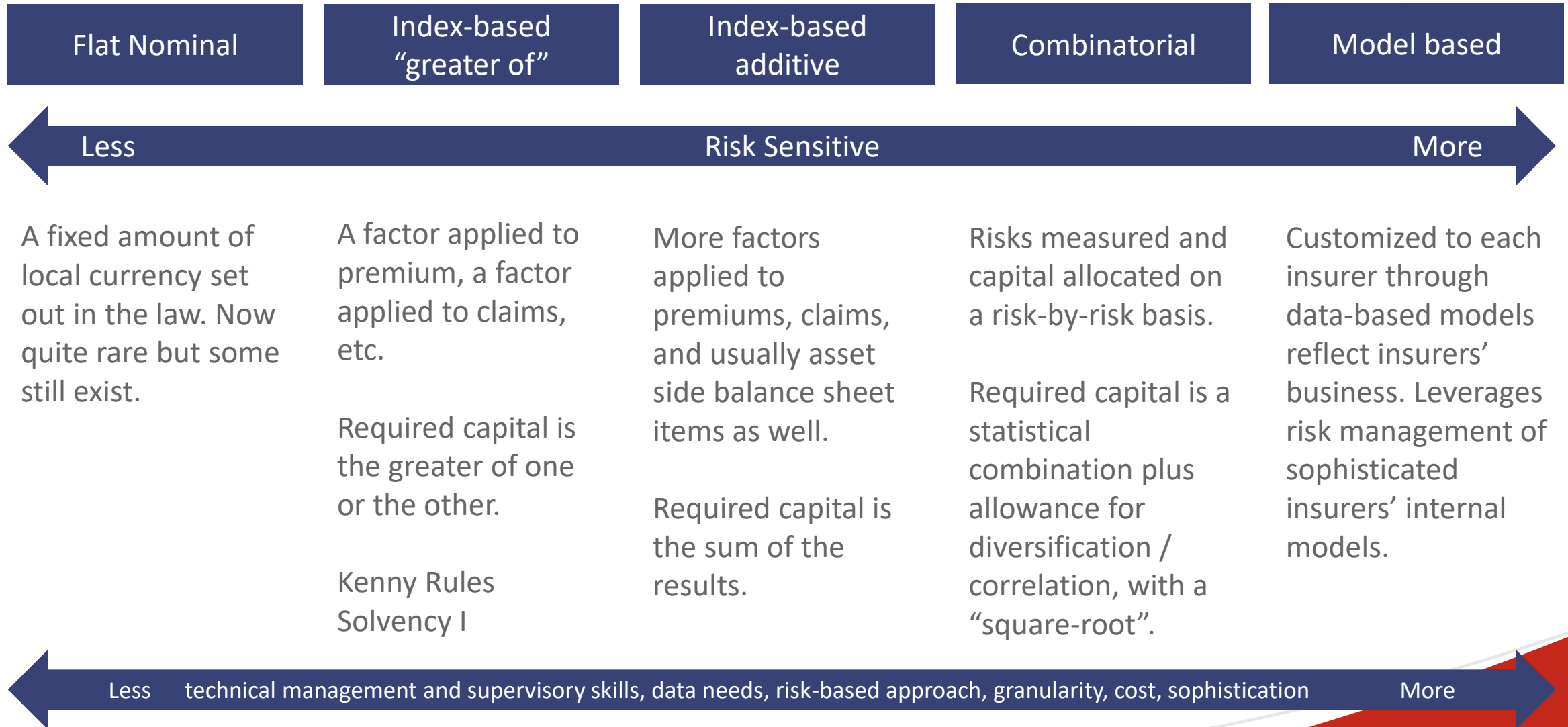
- **Risk-Based Approaches to Capital** | Craig Thorburn, Lead Financial Sector Specialist, World Bank
- **Capital adequacy frameworks in emerging markets** | Eamon Kelly, Consulting Actuary (FIAA, FSAI)
- **Kenya Case Study** | Elias Omondi, Actuary, Insurance Regulatory Authority of Kenya



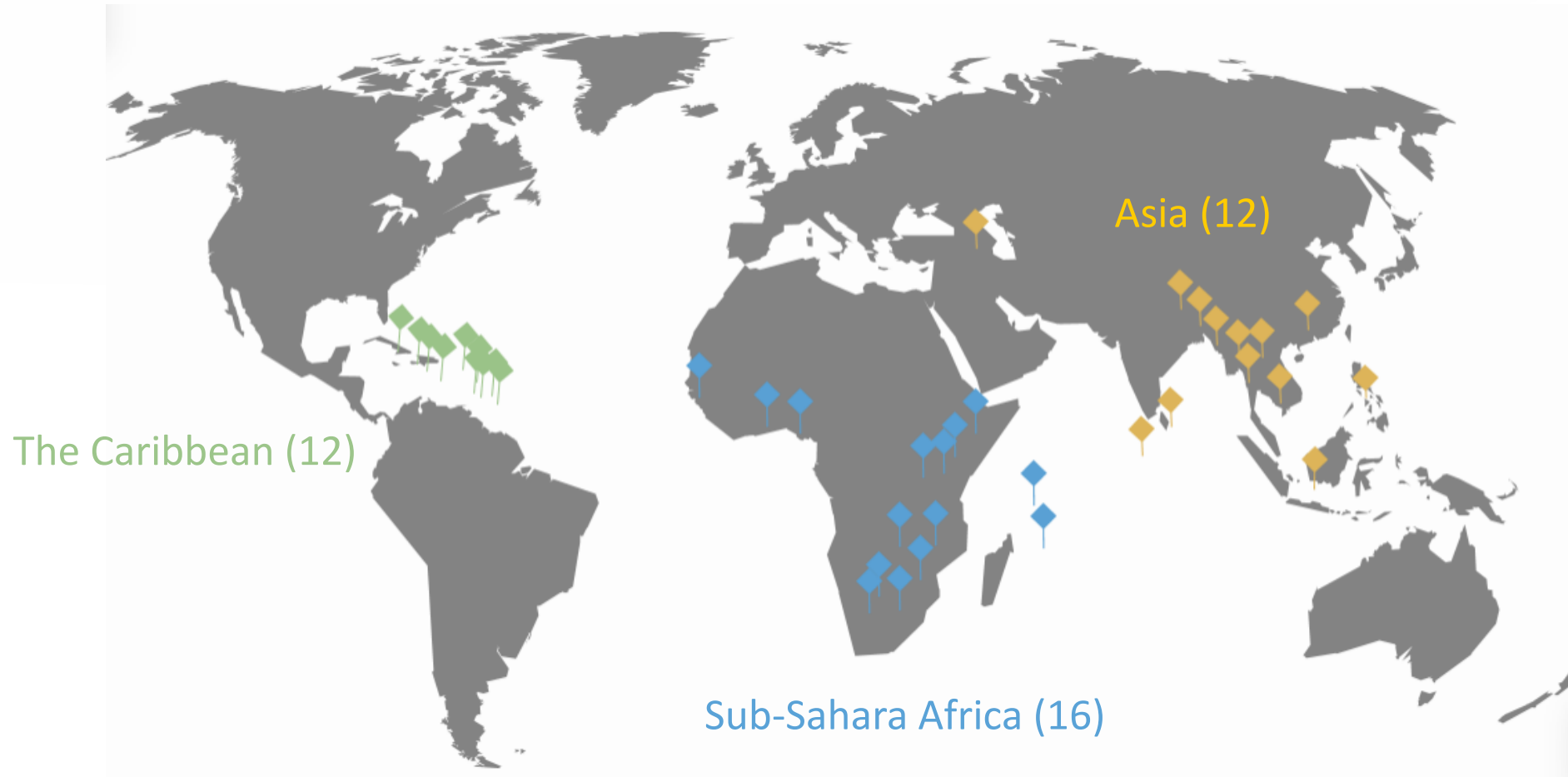
Why risk-based approaches to capital?

- **For development**
 - Compliance based rules constrain innovation, limit investment in technical skill development, and create a regime where blaming the rules is the default excuse for poor performance.
 - More risk-based approaches encourage insurance market development providing flexibility, encouraging technical skills, and incentivizing management to find solutions to challenges by adjusting their business operations.
- **For efficiency**
 - More risk-based approaches use less of a “one size fits all” approach with hidden dormant capital adding cost.
- **For effective supervision**
 - A more risk-based approach facilitates fair comparisons between insurers and over time, supporting risk-based ratings structures and proportionate intervention ladders.

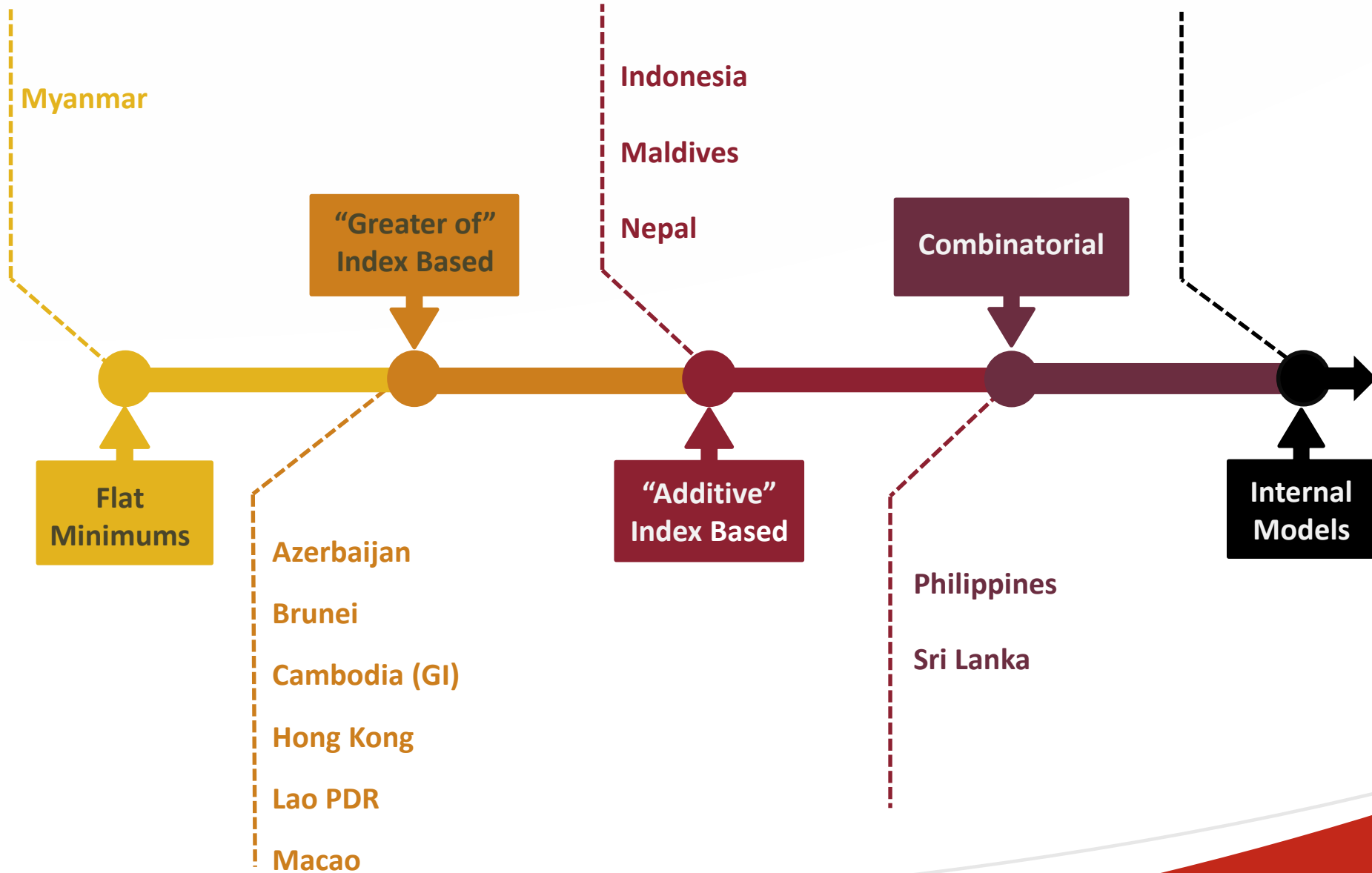
Types of risk-based capital rules



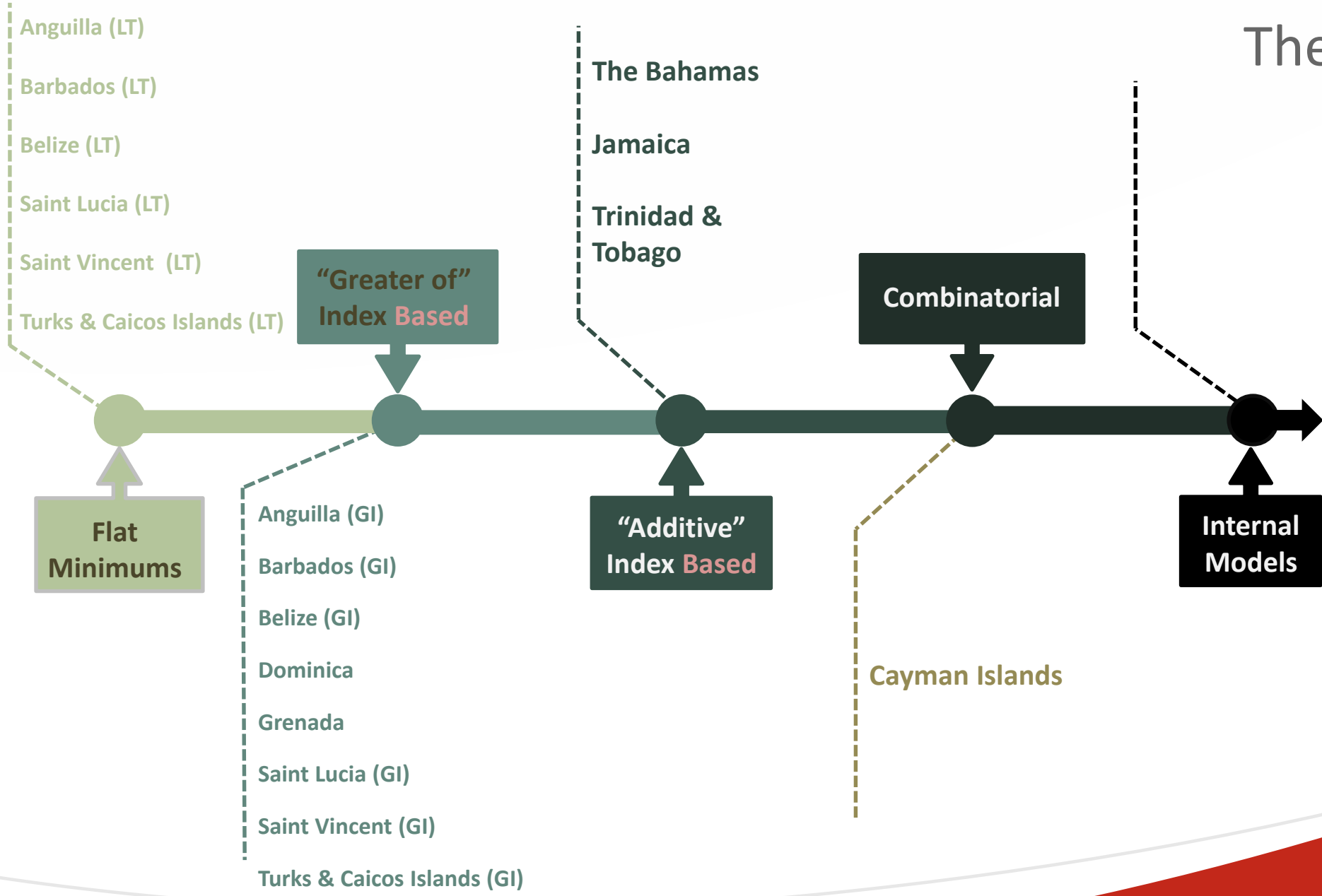
Capital adequacy frameworks in emerging markets



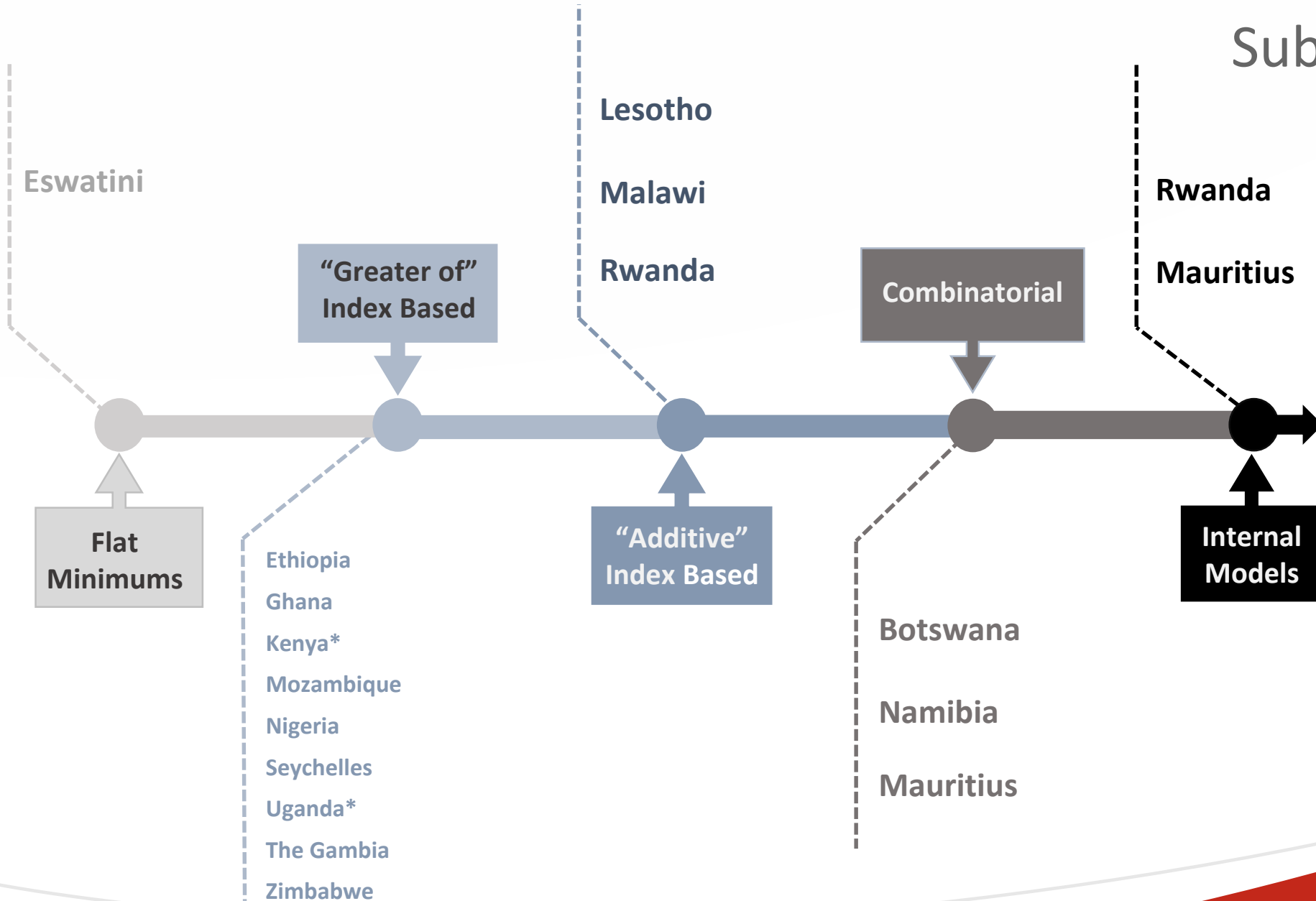
Asia



The Caribbean



Sub-Sahara Africa



Flat Minimum

- Often a “nominal” minimum ranging up to USD 5m
- For the Caribbean the flat minimum only applies to long-term (life) insurers and not general insurers
- Flat minimum is often retained alongside a more advanced regime.
- When the flat minimum is retained there is usually a different amount for life vs general insurers. Life sometimes higher than GI, but not always

Greater of

- For general insurers this is usually a set percentage of net EP (often 20%). In rare cases it may also include technical provisions
- For life insurers a range of approaches exist, including percentage of gross premium, technical provisions, sum insured at risk, net profits and/or a contingency margin determined by the Actuary

Additive - Index Based

- Pre-defined risk factors applied to some measure of risk.
- The measure of risk can vary; premium, technical provisions, sums insured, asset values (depending on the underlying risk being assessed)
- For life insurers capital requirements are sometimes set at different levels; statutory fund, shareholder fund and the insurer as a whole. For general insurers the focus is usually on premium risk and reserving risk
- There can be ranges of sophistication and complexity within this category, ranging from simple factors, to stress testing to re-valuation to multiple risk categories & risk exposures and varied treatment of (admissible) assets
- A key challenge is the determination of the risk factors “specific to the country”

Combinatorial

- This is the closest to Solvency 2 (without ‘internal model’), more like “Solvency 1.5”
- A key difference here is the allowance for diversification. Other key differences include;
 - underlying techniques beyond risk factors e.g. use of stress testing or stochastic modelling
 - level of granularity e.g. risk categories, risk exposures, risk transfers
 - requirements for life insurers vs general insurers
 - allowance for margins and actuarial judgement

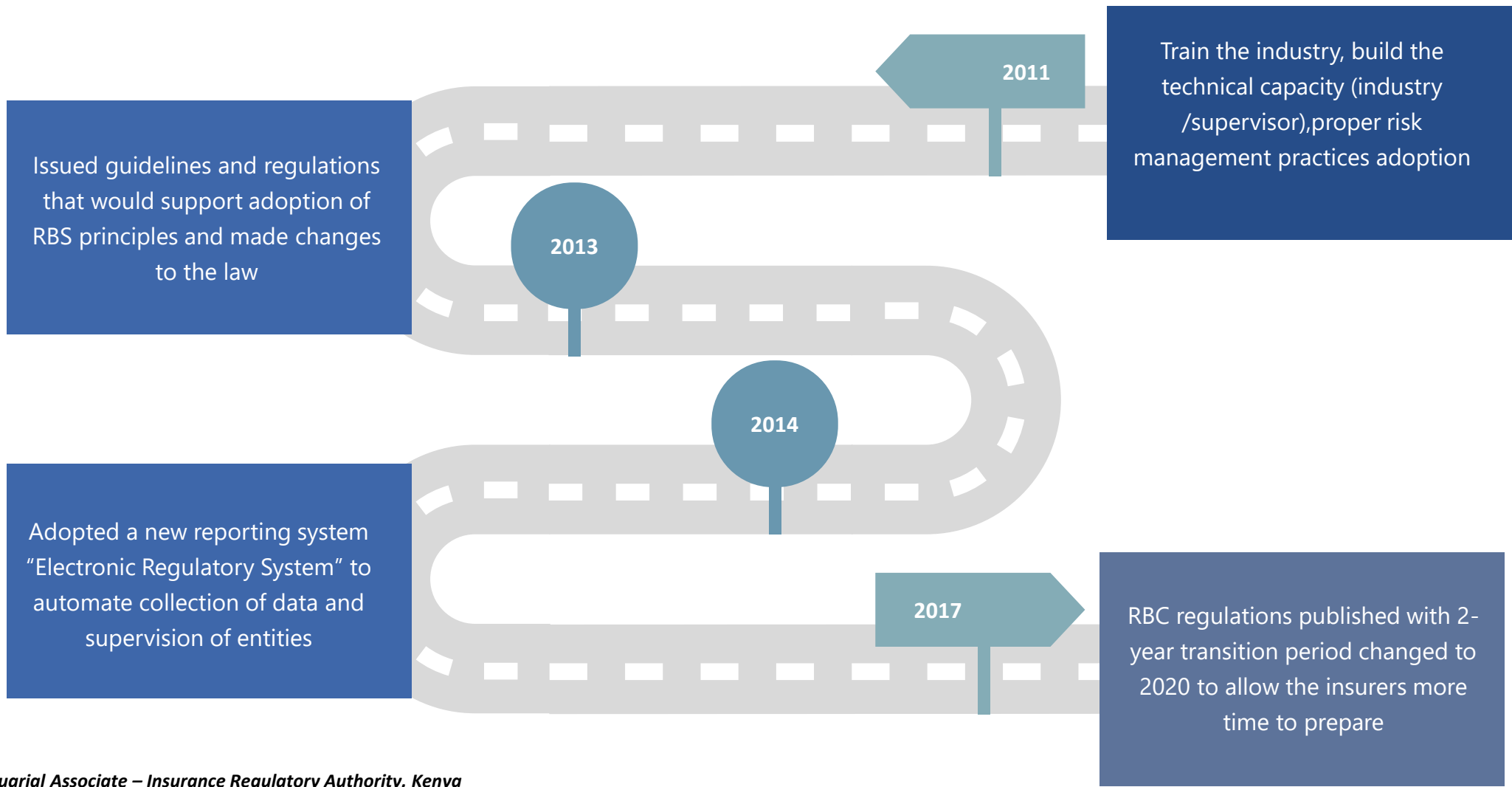
Placement on the Spectrum

- Caribbean is the only region with a material number of countries using 'Flat minimum'. Most other regions have countries at 'Greater of' or above.
- Significant “bunching” of countries at the first step i.e. 'Greater of'
- 'Greater of' simplest first step, requires more resources & time to get beyond this to a risk factor type capital regime
- For those countries that have moved beyond 'Greater of' most of them use 'Additive – Index Based'
- Very few countries using 'Combinatorial', and just 2 countries (in one region) provide the option of internal model

Insurance Regulatory Authority of Kenya Case Study | Elias Omondi

THE RBC JOURNEY

CLOSE TO TEN YEARS



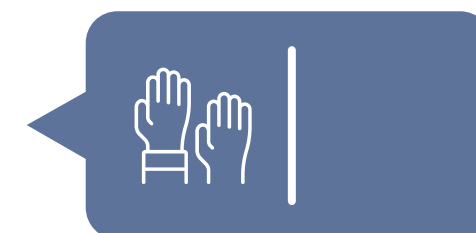
THE CASE FOR RBC

Existing approach did not adequately assure solvency and protection of consumers -
Linking the regulatory required capital to the risk profile of the insurer

Deliberate intention to be proactive – assess risk and assure solvency beyond a point
in time - Risk Profiling

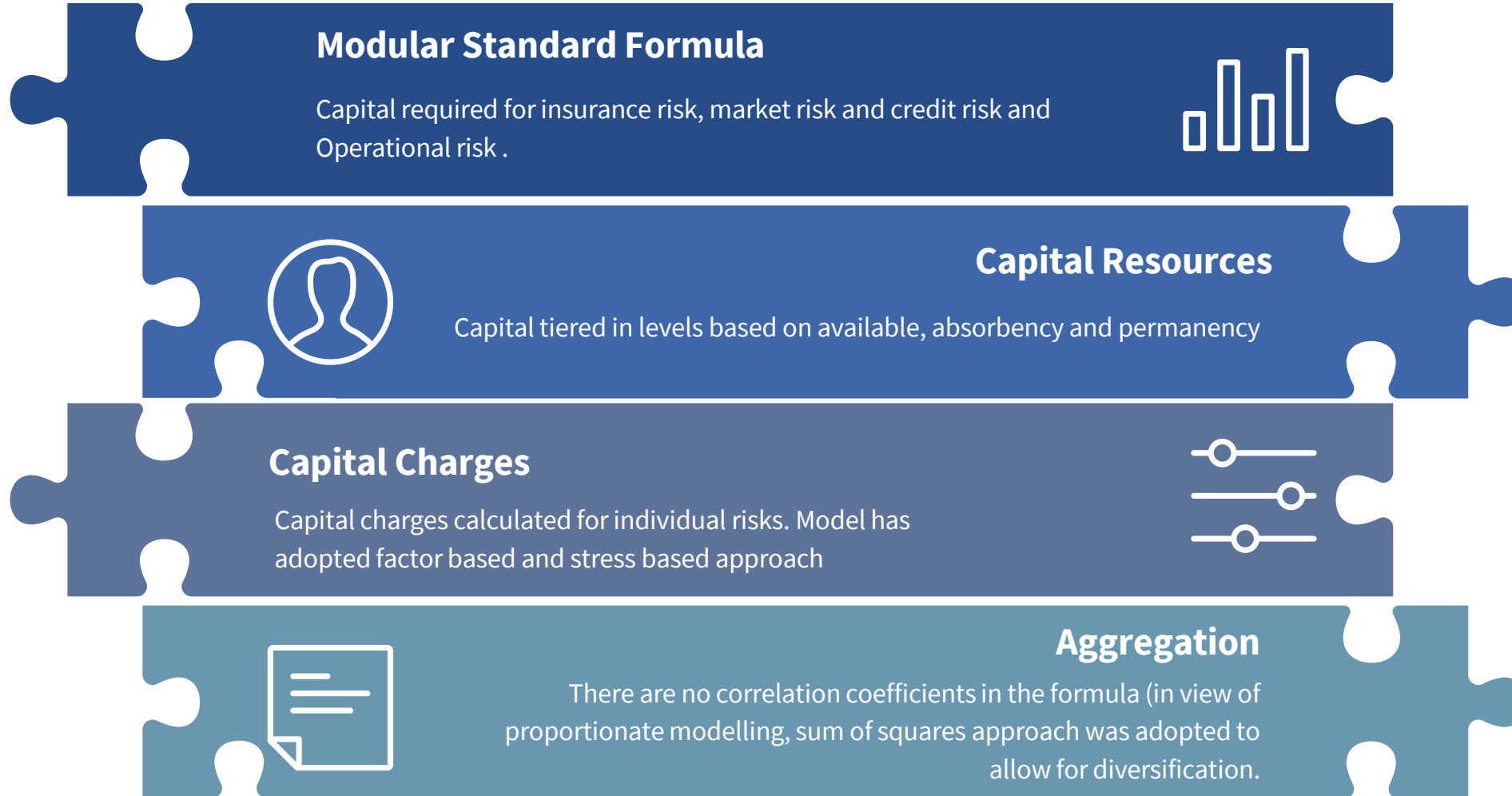
The need to incorporate risk management into insurance business practices -
Establishing a common risk aware culture within the organization (Enterprise Risk
Management)

Harmonization to international standards - framework developed is appropriate, fit for
purpose and proportional to the insurance market



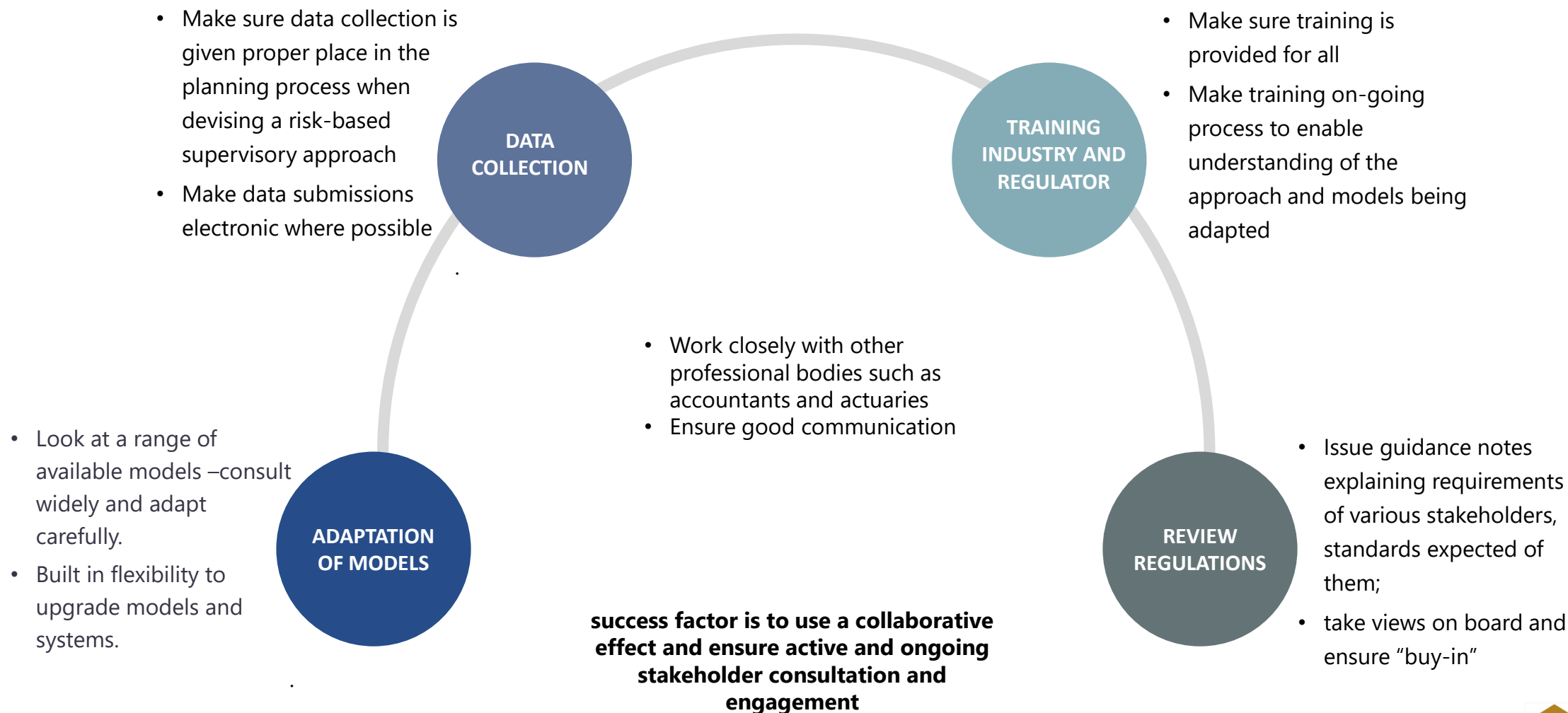
THE MODEL

SIMPLIFIED SOLVENCY II



LESSONS LEARNT

ITS CHALLENGING BUT POSSIBLE



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