

IFRS 17 and the Data, Systems & Process (DSP) Agenda

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With you today



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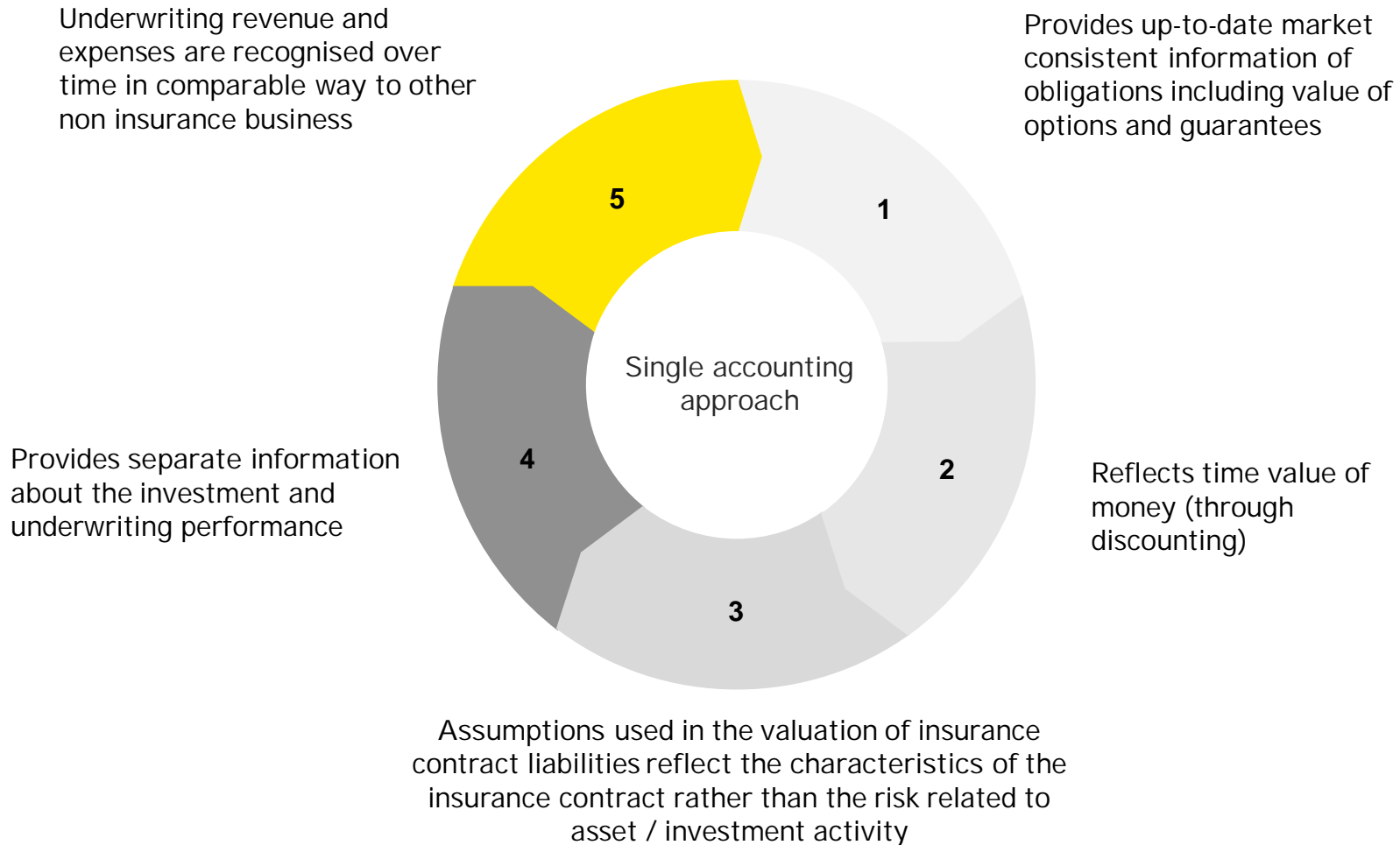
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A photograph of three fruits against a white background. In the foreground, a red apple with yellow streaks is on the left, and a yellow pear with red speckles is on the right. Behind them is a green apple. A teal banner with white text is at the bottom, and a series of vertical teal bars are on the far right.

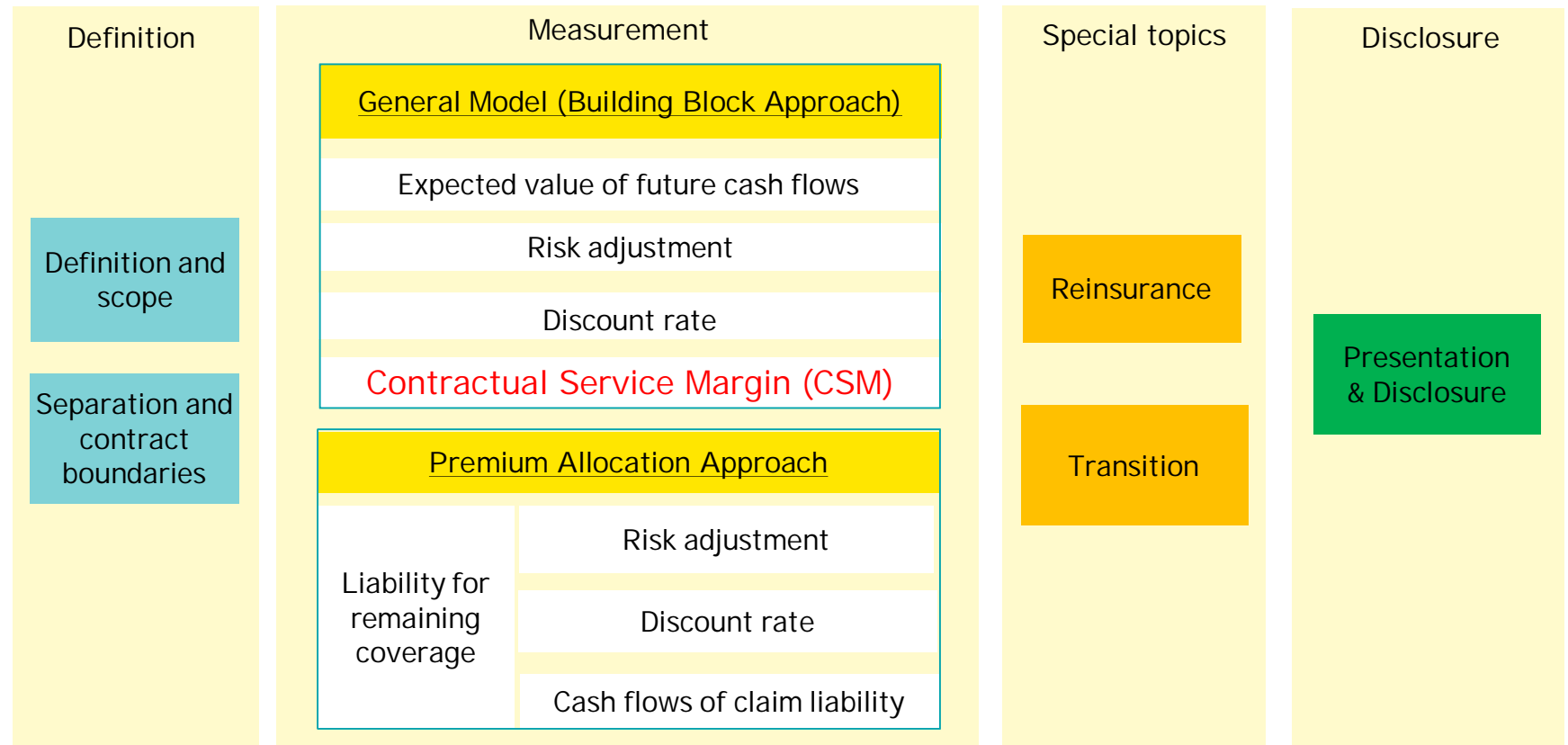
So why do we need a new accounting standard for insurance contracts?

Main benefits of IFRS 17 (new standard) compared to IFRS 4 (the current standard) for insurance contracts



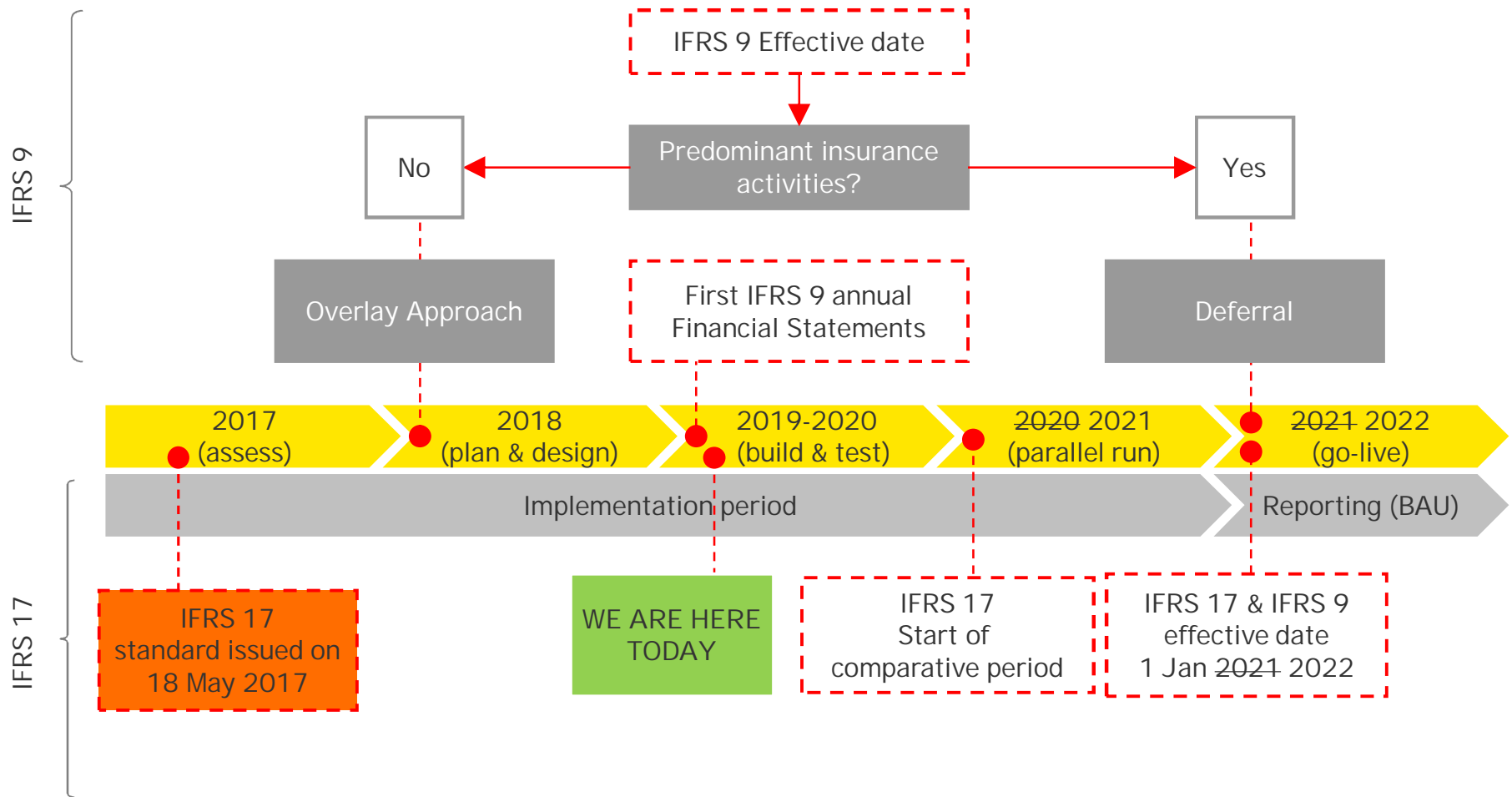
The principle concept behind IFRS 17 is the requirement to calculate and release the Contractual Service Margin (CSM) over the remainder of the contract period

Finance-based accounting and reporting framework (IFRS 17)

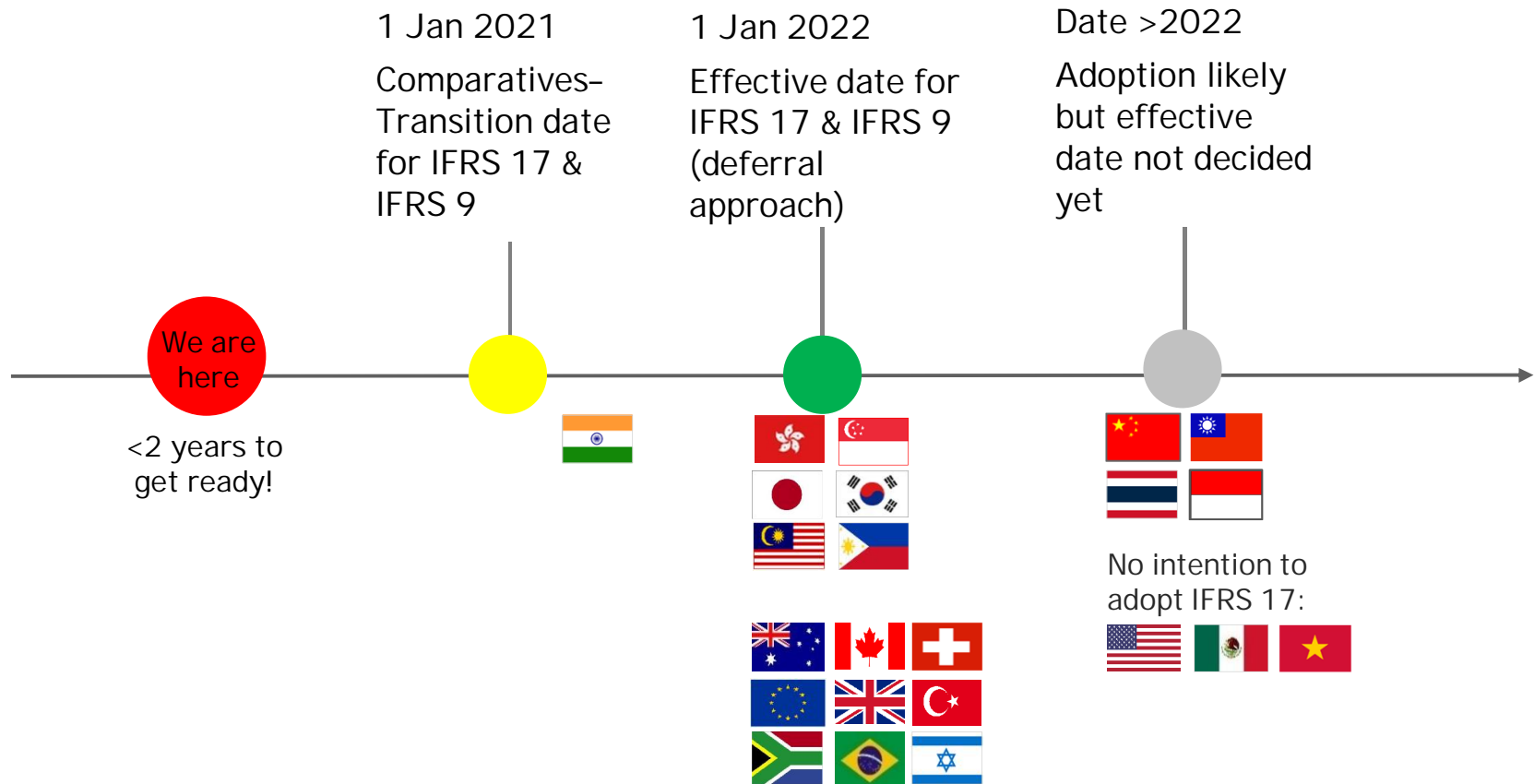


Risk-based capital management framework (eg. Solvency, RBC, ICS etc)

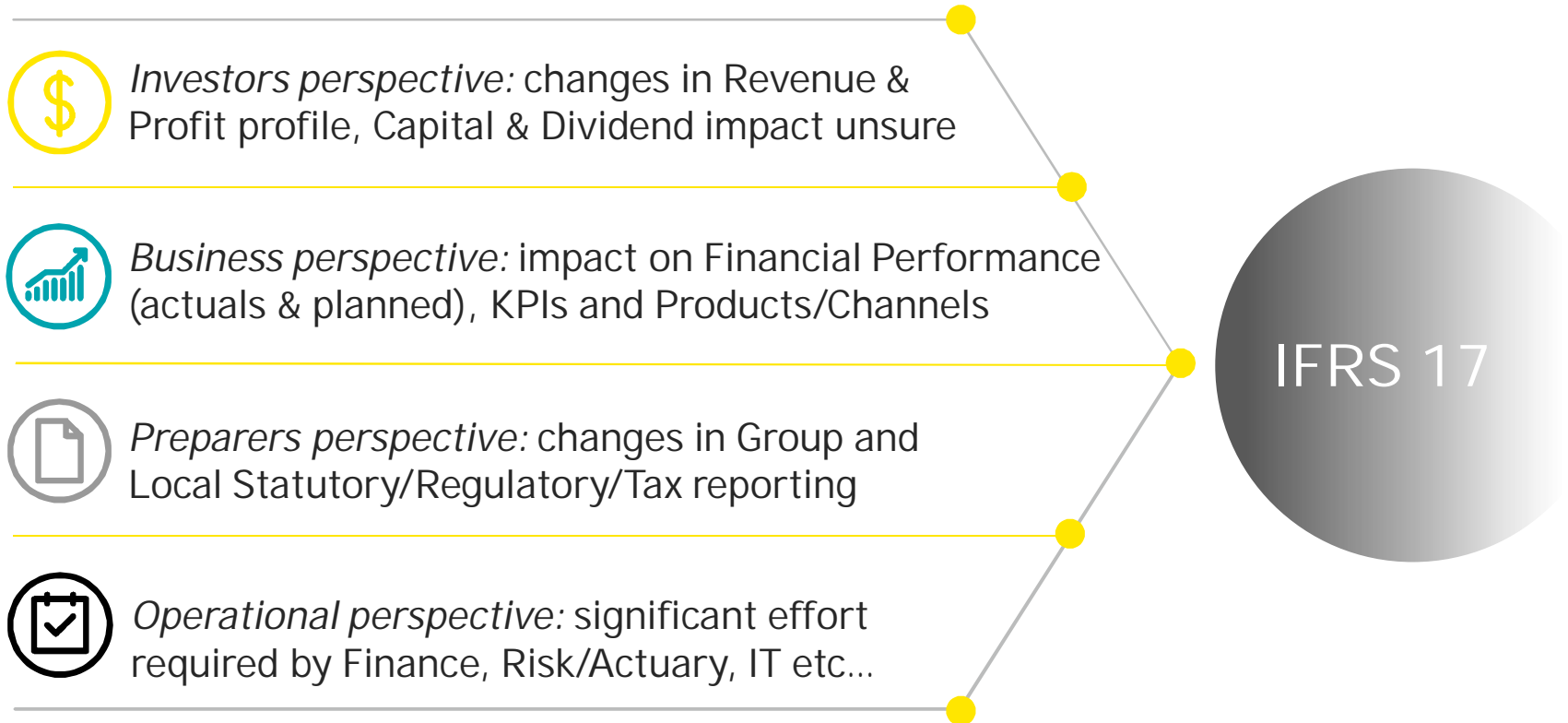
IFRS 17 (insurance contracts) and IFRS 9 (fin. instruments) must be implemented by all insurers by ~~2021~~ 2022



Most countries in Asia will for sure adopt IFRS 17 albeit with some first time adoption timing differences



IFRS 17 is impacting the internal and external stakeholders of Asian insurers in multiple ways



The operational implications of IFRS 17 can be significant

1. Policy

- ▶ New accounting policies/procedures and control documentation
- ▶ IFRS 17 methodology guidance and reporting instructions
- ▶ GL Chart of Accounts changes and account mappings
- ▶ Assumptions setting (for modelling)
- ▶ Investment policy changes (IFRS 9)

5. Data

- ▶ Refinement, upgrading, conversion and migration of (complex) actuarial valuation models
- ▶ New financial reporting data requirements (input/output)
- ▶ Data reconciliations at different levels
- ▶ Data gathering, storage and archiving
- ▶ Data quality, security & controls
- ▶ Data governance and master data management

2. Performance Management

- ▶ Changes in MI reports and KPI's
- ▶ Planning, budgeting and forecasting processes need to be adjusted
- ▶ VBM, scorecards and incentive schemes



6. Processes

- ▶ Materiality concepts/guidelines
- ▶ Updating closing and reporting procedures, planning processes, actuarial processes, risk management etc.
- ▶ Internal and external reporting templates including group reporting packages
- ▶ Internal controls and audit trail

3. People

- ▶ Training
- ▶ Cross functional collaboration (especially for Finance & Risk)
- ▶ Project resourcing & budget
- ▶ Managing change fatigue

4. Organisation

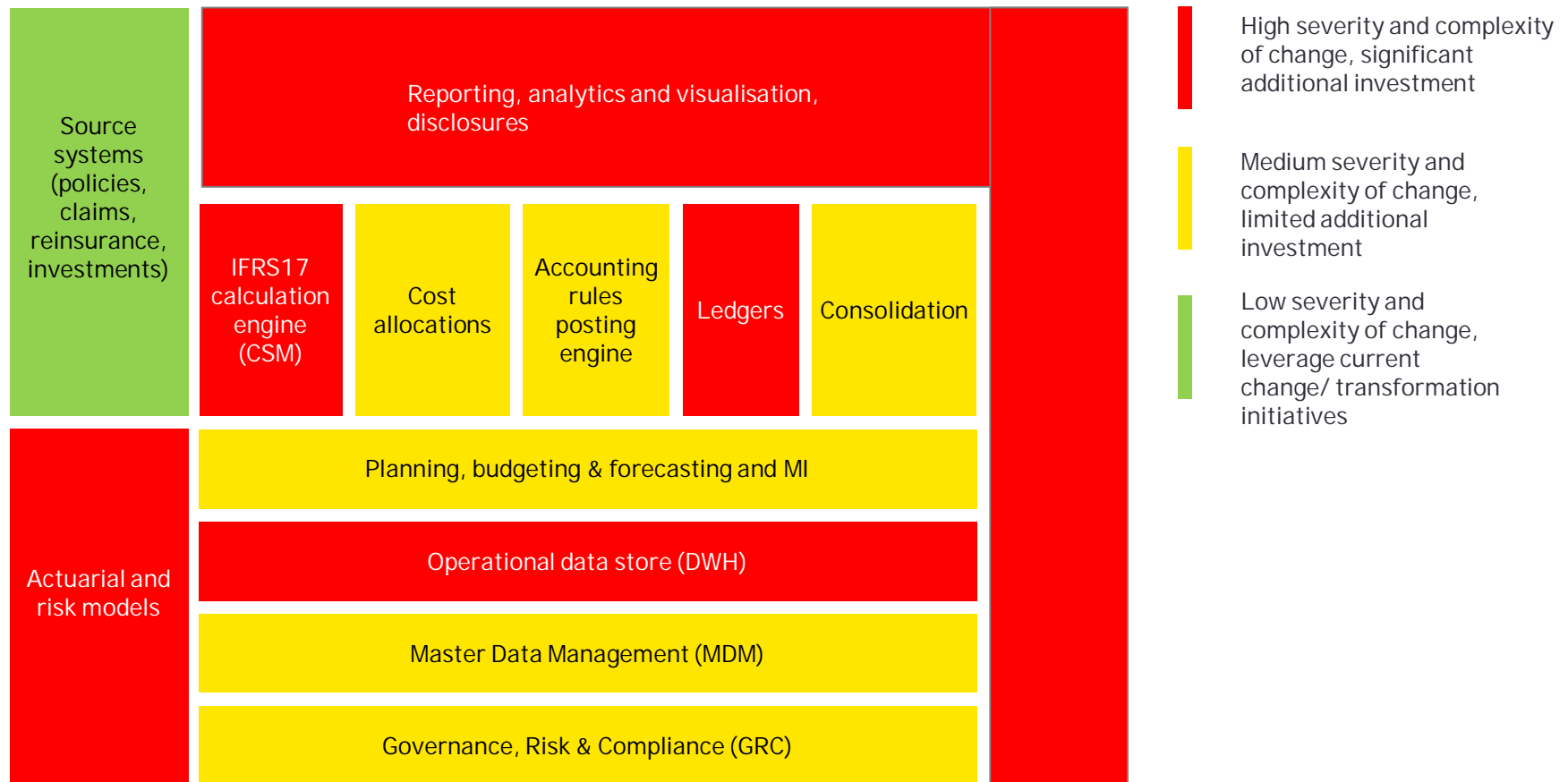
- ▶ Clear roles & responsibilities between Actuarial and Finance departments
- ▶ Technical Provisions Assumptions/ Expert Judgement Committee
- ▶ Impact on outsourcing contracts?

7. Technology

- ▶ Core systems, investment system, actuarial systems, pricing systems, etc.
- ▶ Posting logic/engines
- ▶ General Ledger, consolidation package and reporting systems
- ▶ System interfaces
- ▶ Current system capacities & capabilities (agile technology)
- ▶ New functionalities/features

Careful consideration of the impact of IFRS 17 across the entire system architecture is required

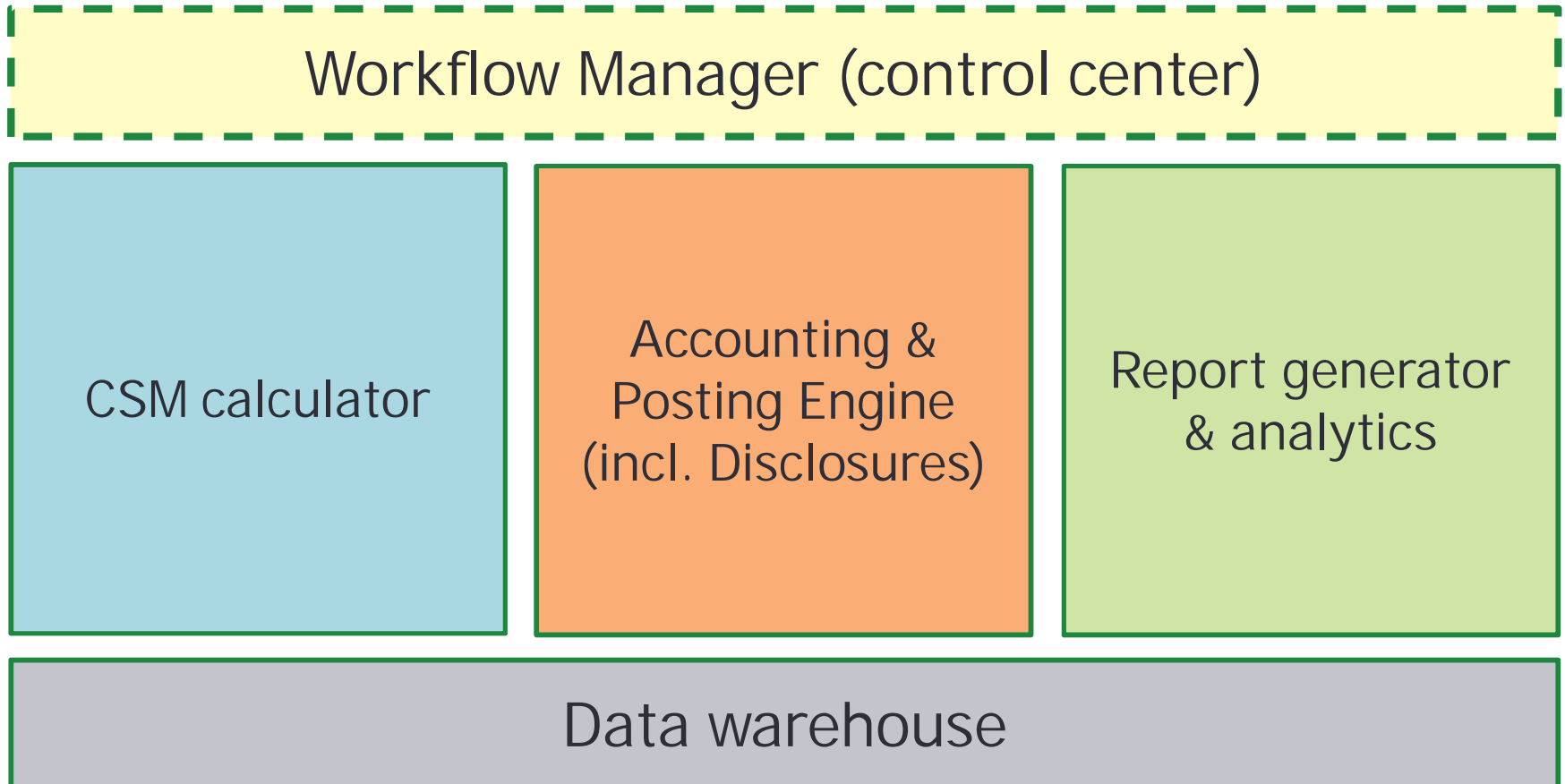
The complexity of the IFRS 17 implementation is high (red) to medium (yellow) across the entire financial & actuarial Data, Systems and Processes (DSP) infrastructure



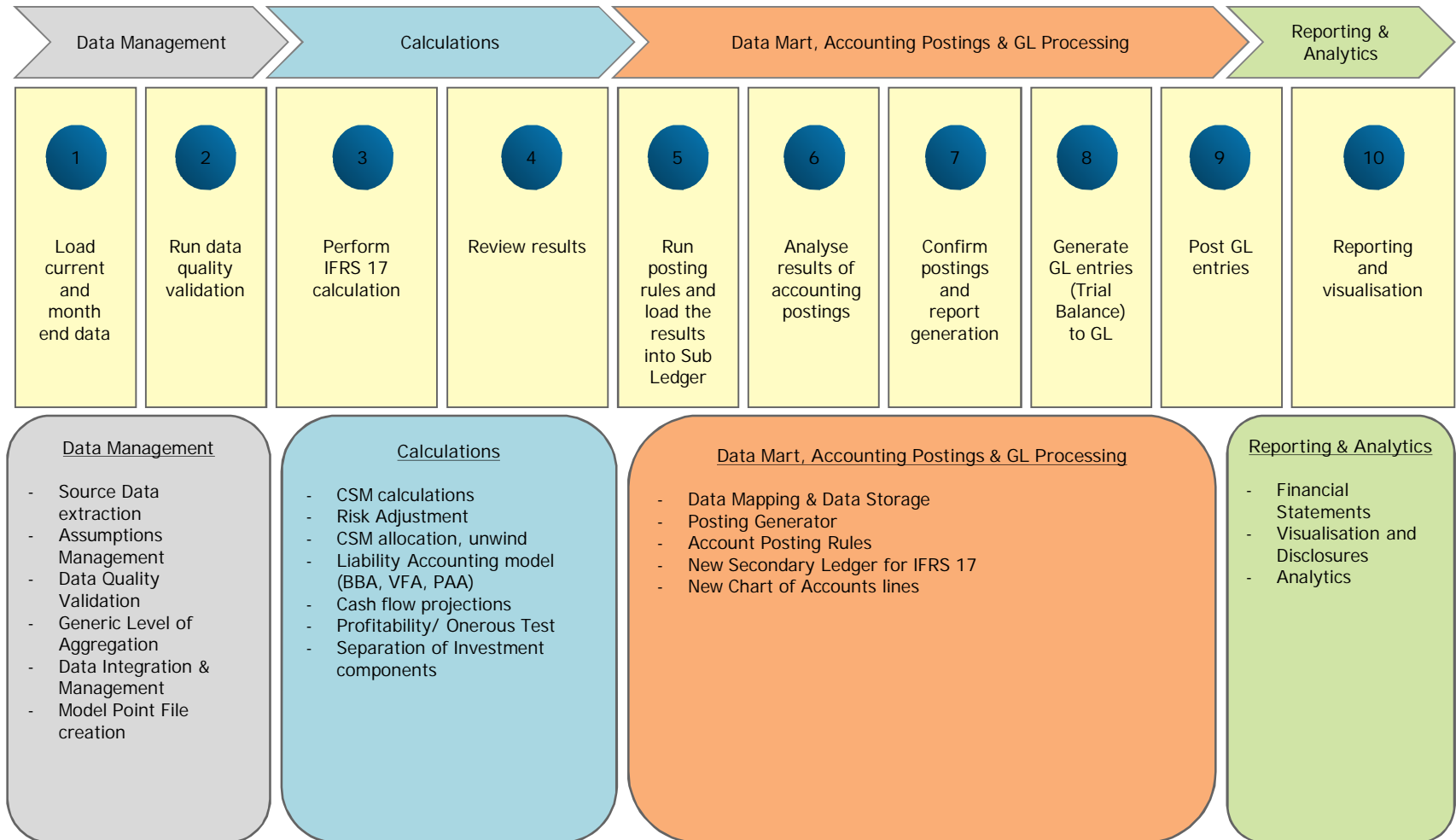
There are basically 3 system solution options available to address your IFRS 17 needs

	1. Actuarial-driven system solution <i>"Leverage existing data, processes and systems for IFRS 17 and do the CSM calculations and data storage in the Actuarial system(s)"</i>	2. Integrated sub-ledger solution <i>"Build IFRS 17 capabilities through the introduction of a separate sub-ledger system solution that receives cashflows from actuarial systems and feeds the GL"</i>	3. Global GL embedded solution <i>"Integrated Finance system to provide multi-GAAP reporting platform embedded in core GL system"</i>
How to do it	<ul style="list-style-type: none"> ▶ Enhance current actuarial system to produce CSM calculations ▶ Build on existing MCEV/Solvency II tools ▶ Enhance existing Finance systems and IT solutions to cover IFRS 17 specific accounting and reporting requirements 	<ul style="list-style-type: none"> ▶ Buy or build IFRS 17 capabilities through the introduction of new integrated sub-ledger solution (owned by Finance & Risk) ▶ Includes an integrated, pre-configured insurance data model for source data and results data onto one platform that eliminates redundancy ▶ A powerful enterprise data warehouse 	<ul style="list-style-type: none"> ▶ Central Finance system with enhanced multi-dimensional IT capabilities to provide a new Multi-Ledger, Multi-Client, Multi-Product, Multi-Currency, Multi-Time IFRS 17 Platform ▶ Use of in-memory calculation features with integrated database
Pros	<ul style="list-style-type: none"> ▶ Easiest and fastest solution to implement ▶ Built primarily on existing reserving (EVM, EV, Solvency II) tools and processes ▶ Lower investment required 	<ul style="list-style-type: none"> ▶ Opportunity to implement a new, more efficient system setup for IFRS17 while leaving old IFRS4 systems intact ▶ Shorter time to benefits realization ▶ Ancillary benefits in areas outside IFRS 	<ul style="list-style-type: none"> ▶ Higher "future-proof" flexibility of the implemented solution ▶ Enables addition of other requirements (e.g. USGAAP, IFRS 9 and Solvency/RBC) ▶ Consistent global systems solution
Cons	<ul style="list-style-type: none"> ▶ Less efficient system setup ("add-ons") ▶ May not fit the future IFRS 17 reporting timelines (faster) and new requirements (e.g. controls) ▶ Considerable manual work = higher operating costs 	<ul style="list-style-type: none"> ▶ Multiple data sources and complexity/diversity of the underlying processes means higher implementation risks ▶ Significant upfront investment required for new solution with potentially limited lifespan? 	<ul style="list-style-type: none"> ▶ Takes longer to build and realize benefits from migration to new platform ▶ Likely to have some manual steps and local solutions resulting in higher cost ▶ Potentially very expensive to implement and technology still unproven ▶ Critical path delay risk (need a "Plan B")

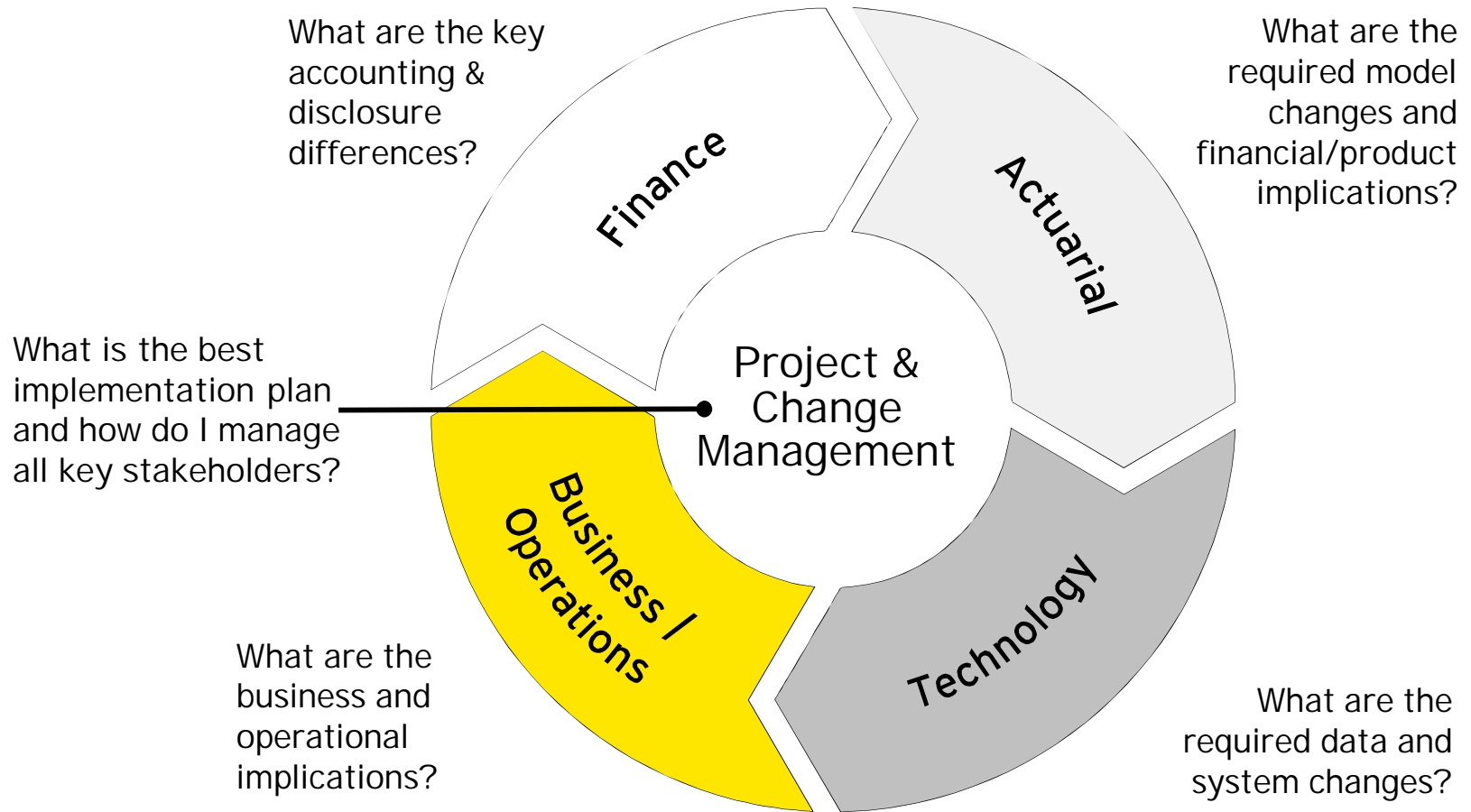
An IFRS 17 sub-ledger solution has 5 main system components



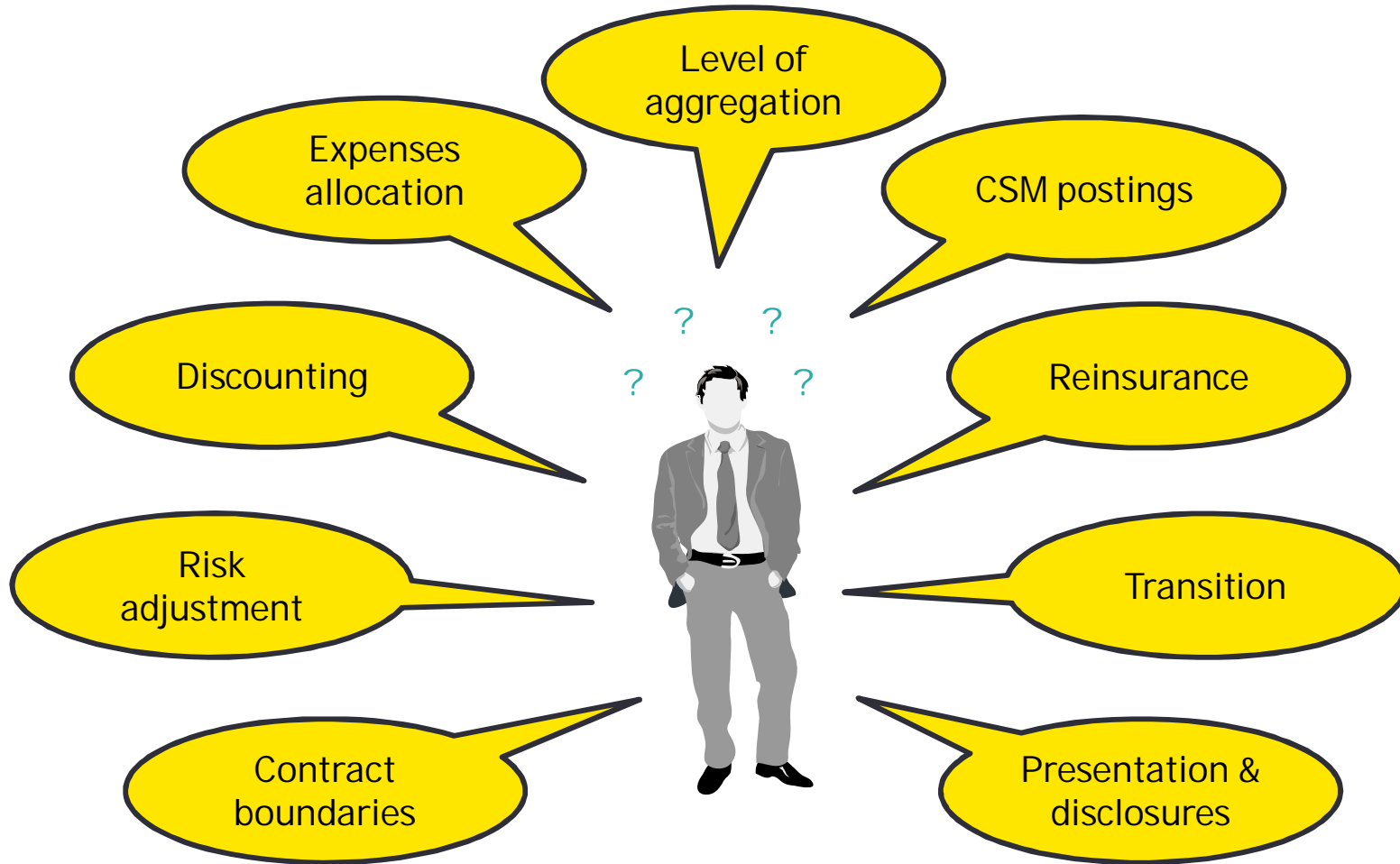
Example of the end-to-end workflow for a financial close process using an IFRS 17 sub-ledger system (like SAS)



Getting all the required people involved and engaged at the right time is key to a successful IFRS 17 project delivery



Accountants first need to understand the different options under IFRS 17 and provide the required accounting guidance



Actuaries are required to understand, calculate and explain product impact assessments

Product A

XYZ Product A

Key Observations

- ▶ Significant **revenue and profit deferral** under MFRS 17 compared to current MFRS 4
 - ▶ Cannot capture upfront profits earned
 - ▶ Revenue deferred as it is driven by expected benefit payments
- ▶ Critical areas of judgement - discount rates, risk adjustment, coverage units, attributable expenses.
- ▶ Product A features are...

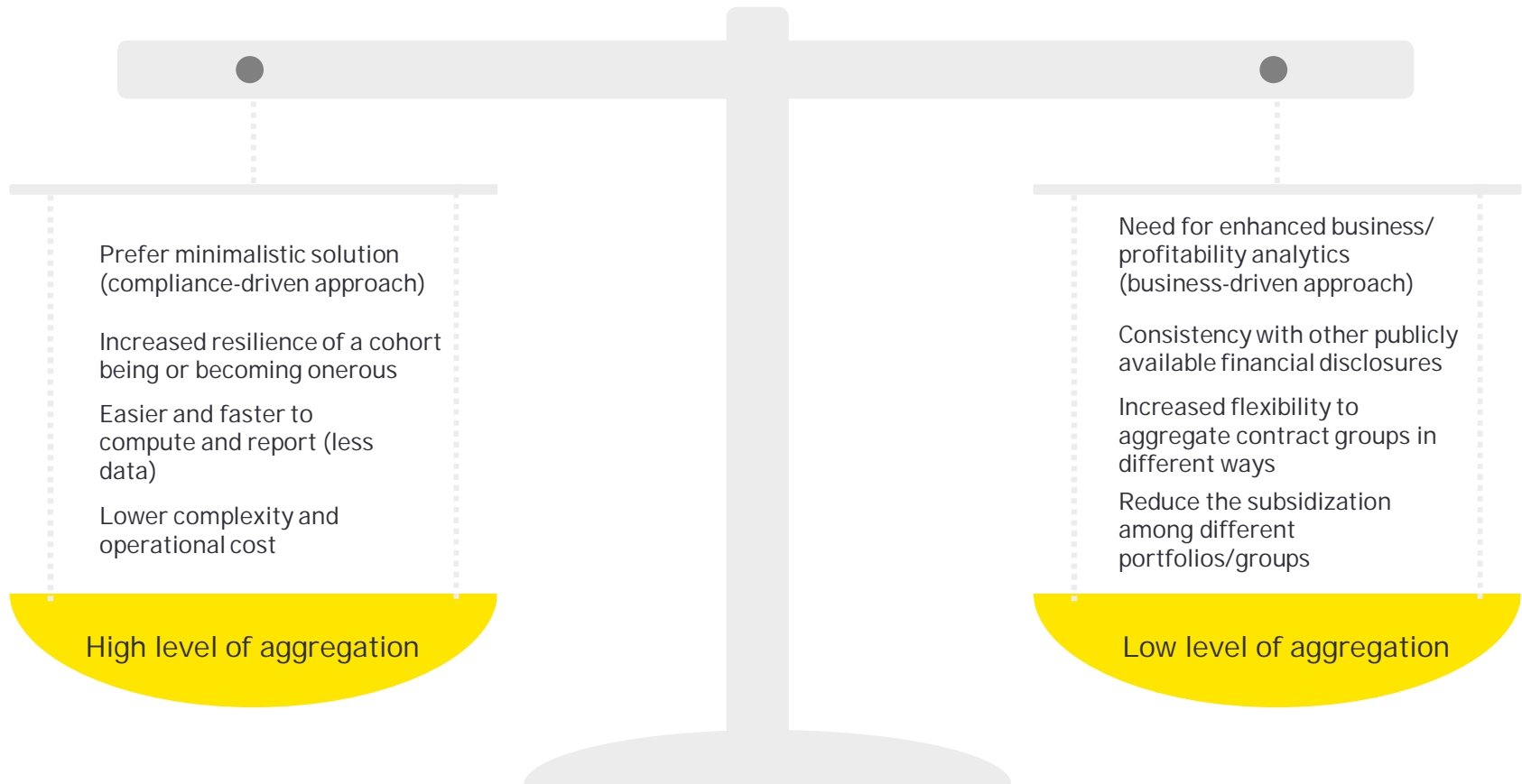
MFRS 17 Details

Measurement Model	General Model
Coverage Units (CSM amortization driver)	Reducing sum assured in-force
Contract Boundary	Similar under MFRS 4

*Projection based on sample policy profile

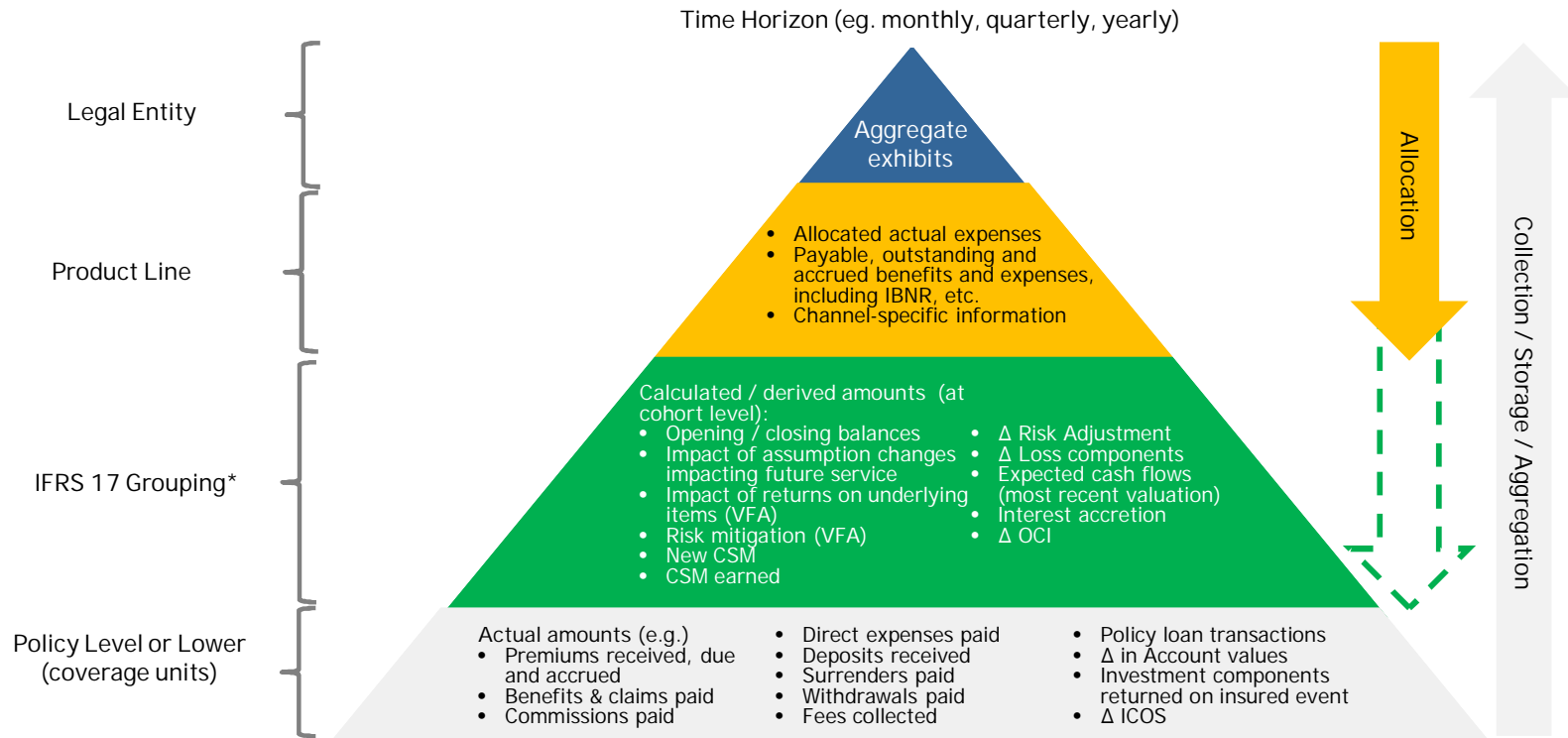


The definitions on the level of aggregation (unit of account) will also drive the level of data granularity needed



We recommend a balanced approach that takes all pros and cons into account

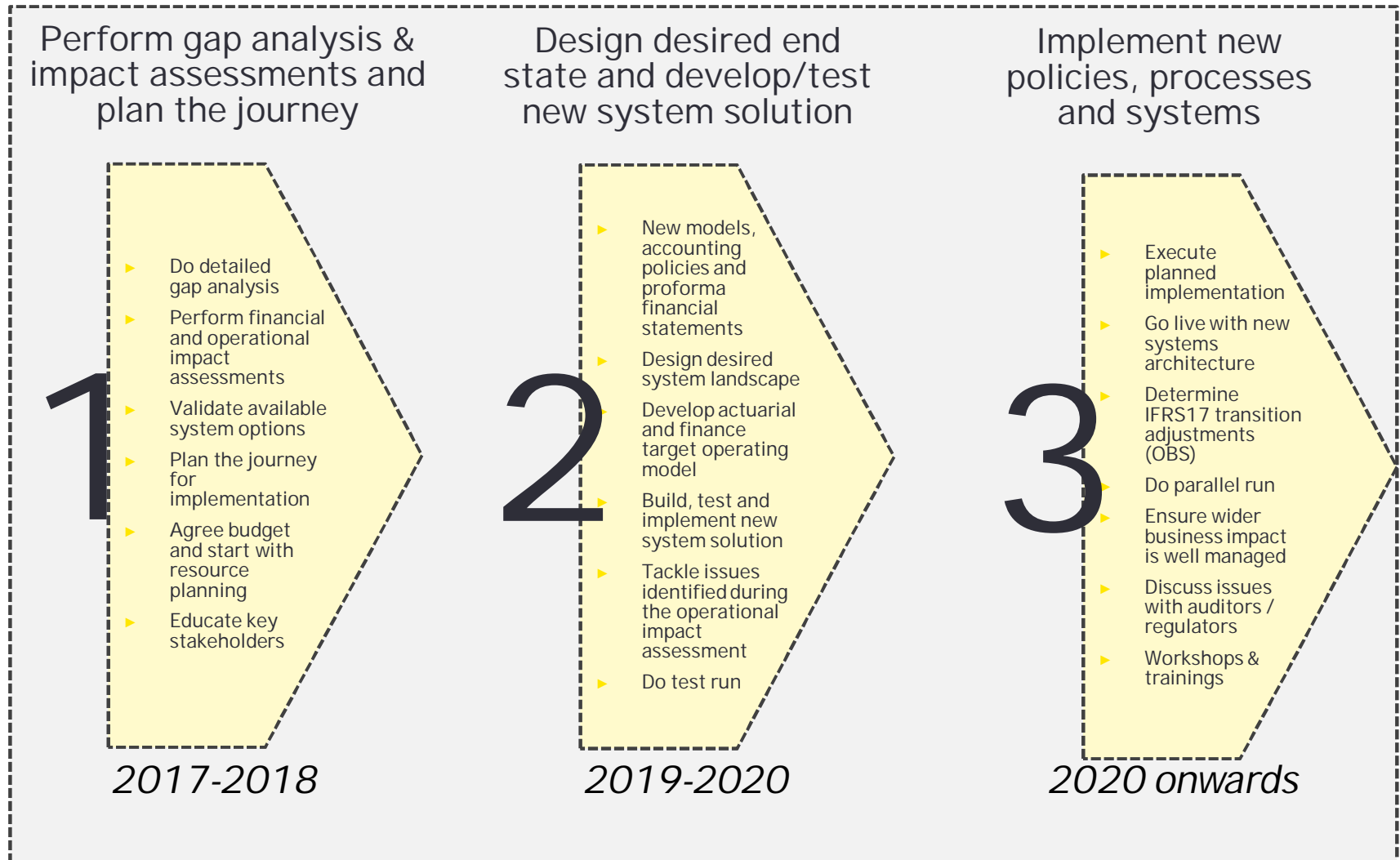
Example of an IFRS 17 Data Model



*Grouping as defined including cohorts based on issue date

**Payable amounts related to unexpected premium may need to be separated

We recommend a phased approach to manage the timely implementation of IFRS 17



Remember that IFRS 17 can have a profound impact on your entire business operations

Front Office	Marketing & customer		Sales & distribution		
	Strategic marketing management	Customer marketing & analysis	Customer lead generation	Marketing correspondence	Distribution hierarchy and compensation management
	Sales programme	Brand management	Insurance sales process	Channel management	Campaigns management
Middle / Back Office	Product management				
	Product portfolio strategy	Pricing / reserving analysis	Product planning	Product tracking and illustration	Product development & maintenance
	Underwriting		Policy servicing		Reinsurance strategy and execution
	Underwriting guidelines	Operation control	Collection control	Loss reserve Management	Claims processing, evaluation and investigation
	Product risk rating	Operation planning	Billing, collections and return	Fraud detection and management	Recoveries and settlements
	Underwriting decisioning & control	Policy processing		Claim filing and management	Catastrophe planning
Enterprise	Corp. perf. mgmt.		Human resources		Risk & compliance
	Performance management	Training and education	Remuneration	Legal & compliance	Internal control
					Risk management

Degree of impacts to key functional areas

Low or no impact

Medium - indirect impact

High - direct impact

Key IFRS 17 implementation lessons learnt in Asia



Implementation project **MUST** be content-led (by Accountants & Actuaries) not process-led (by PMO)



Must determine Level of Aggregation first – use data matrix to decide and ensure required data is readily available



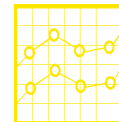
Need to decide where and how to calculate the CSM balances (3 options)



Unclear business requirements and data quality issues can really slow down the project



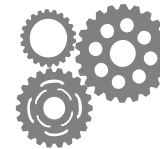
Don't forget the Day 1 Transition Opening Balance Sheet (OBS) which requires detailed historic data



There is no “one size fits all” system solution – needs substantial tailoring!



Devil in in the detail – requires experienced Business Analysts to support the DSP workflow



All solutions (FIS, SAS, SAP, Aptitude, Moody's) are still under development and not fully tested yet



Need the combine the D(ata) with the S(ystem) and P(rocess) workflows



Must find right balance between internal & external resources (backfilling!)

A useful IFRS17 system implementation readiness checklist (all items must be ticked BEFORE you start any system work)



1. Have you completed a detailed IFRS 17 gap analysis?



2. Have you done a proper system impact assessment based on the gap analysis results?



3. Have you determined all the available system options and decided which one is best suitable for you?



4. Have you decided which system vendors have the best solution for you (based on PoC)?



5. Have you decided if you want a single system solution or let the users decide on their own?



6. Have you defined your application guidance & user requirements in enough detail?



7. Have you decided whether you want a cloud-based or on premise solution?



8. Have you properly sized the system solution and data storage requirements?



9. Have you prepared clear implementation roadmap & set aside a realistic budget?



10. Have you shared your findings with all key stakeholders to make sure they support the proposed system solution?

“Working on an IFRS 17 project feels a lot like crossing a bridge while building it at the same time!”

