

Independent Risk Monitoring Ltd

Mercuria Independent Risk Solutions SA

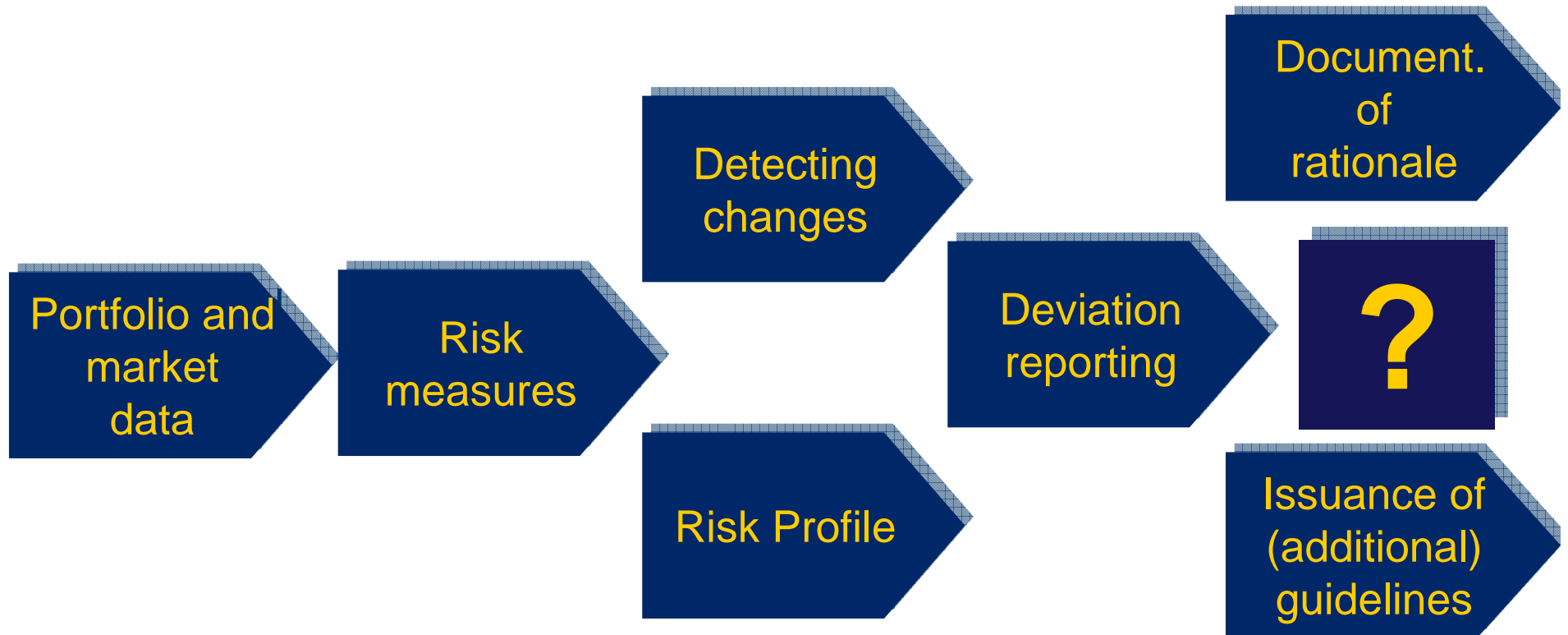
ILA / ALFI Dirigeant Forum

Jim France

Luxembourg May 28 2008



Risk Monitoring Process

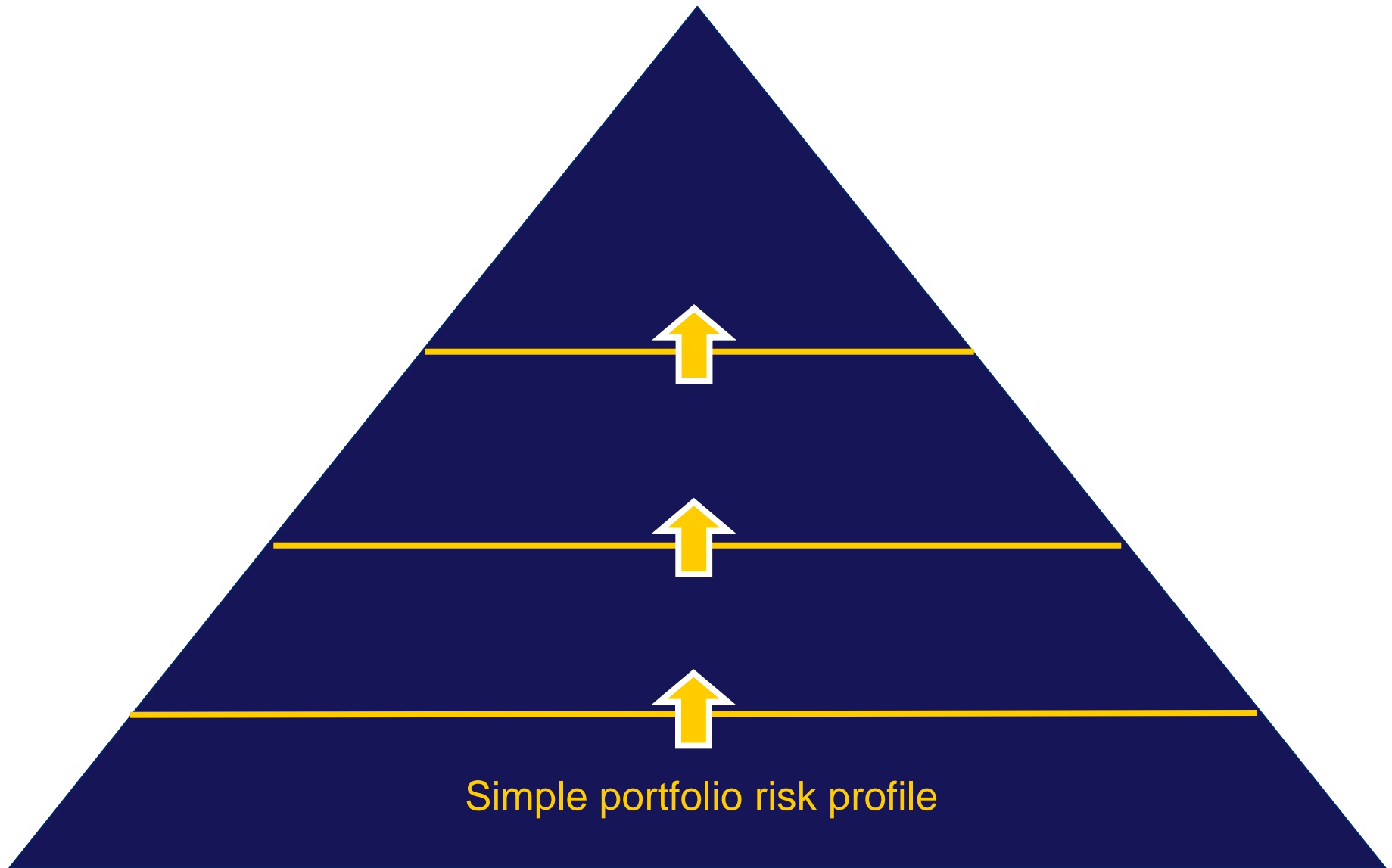


Quantitative: Technology requirement

Qualitative:
Investment process experience



All portfolios need to be covered

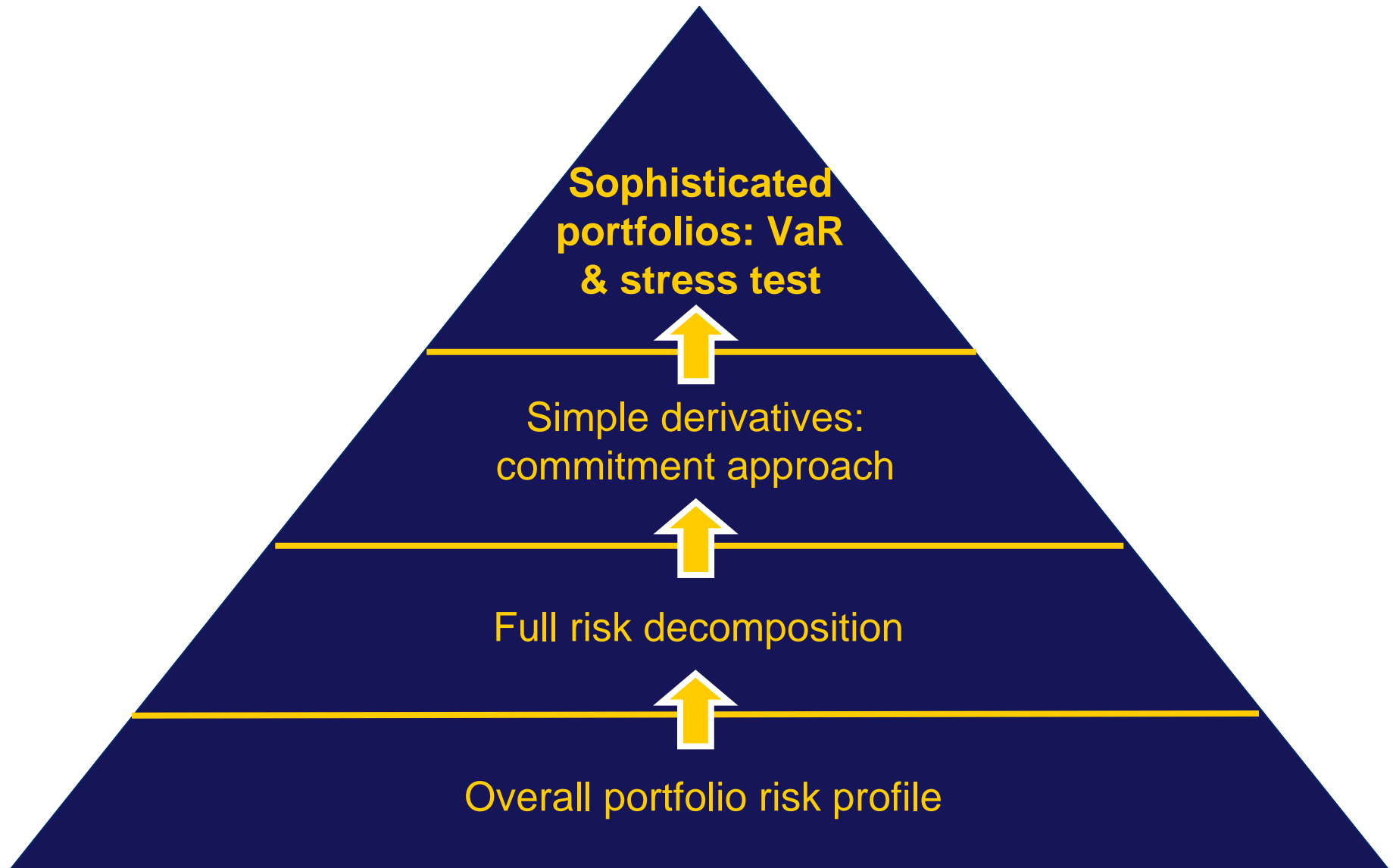




Simple risk profile

1. Compare total risk of portfolio vs. that of its universe and detect changes
2. Detect and track potential usage of (OTC) derivatives
3. Detect illiquid positions

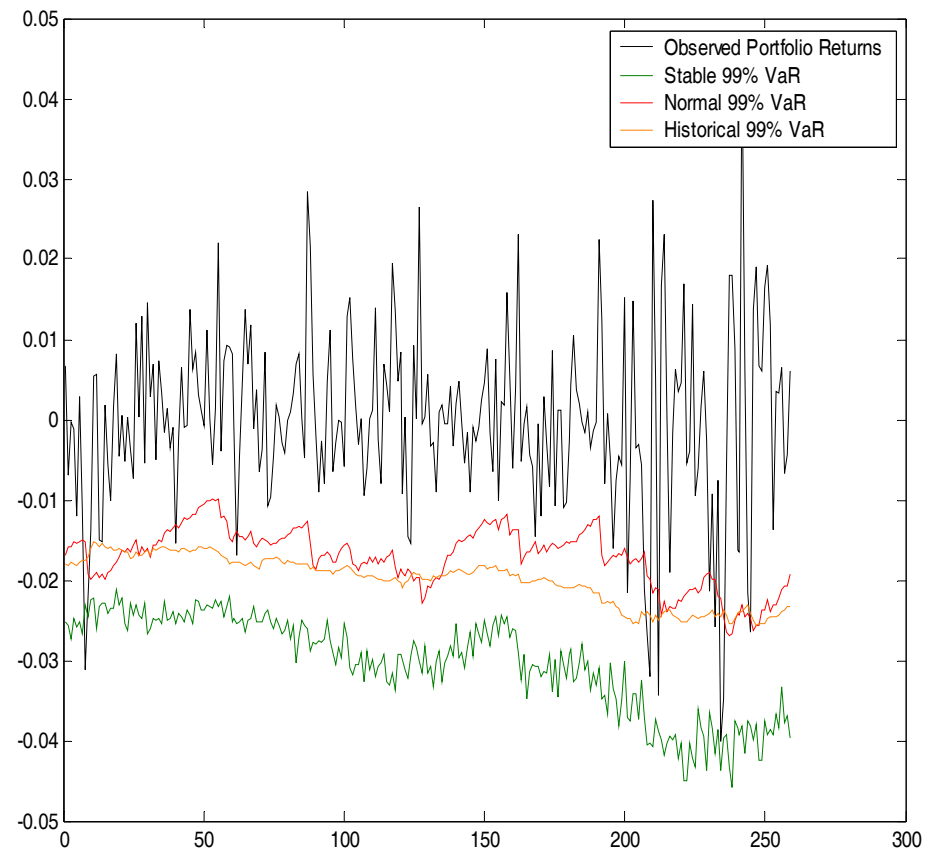
No such thing as a riskless portfolio



- Variance-covariance model (normal distribution)
- Historical simulations
- Monte Carlo simulations
- Hybrid models

Concentrated Emerging Market Portfolio

- Normal 99% VaR
12 fails (red curve)
- Historical 99%VaR
9 fails (“yellow” curve)
- Hybrid 99%VaR
1 fail (green curve)



- Independence of the risk measures
- Clear escalation process
- Clear risk guidelines
- Deviations represent questions rather than violation
- Changes and order of magnitude more important than precision
- Always be wary of model risk and wonder what could go wrong

- Quantitative processes are just the first step and are only useful in enabling the right question to be asked at the right time
- Overall requirement: demonstrate understanding of what the portfolio manager is doing at all times
- Comprehensive product profiles and formal escalation procedures are the keystone of the process