

**Strategic
Asset Allocation
A Global Application for
Swiss Long-Term Investors**

Contents

Preface	I
Contents	III
List of Tables	V
List of Figures	VII
1 Introduction	1
1.1 Objective	1
1.2 Focus	2
1.3 Structure	3
2 Recapitulation of Portfolio Choice	5
2.1 Standard Portfolio Problem	5
2.2 Properties of Standard Solutions	6
2.2.1 Static Mean-Variance Model	6
2.2.2 Dynamic Model	10
2.3 Horizon Effects and Time Diversification	13
3 Data Selection and Properties	19
3.1 Hierarchy of Assets	19
3.2 Properties of Asset Classes	22
3.2.1 Evaluation of Properties	22
3.2.2 Bonds	25
3.2.3 Stocks	32
3.2.4 Money, Real Estate, and Commodities	38
3.2.5 Foreign Exchange	42
3.3 Final Investment Universe	45
3.4 Choice of State Variables	47
3.4.1 Candidates	47
3.4.2 Short-Term Interest Rate	48
3.4.3 Term Spread	49
3.4.4 Dividend Yield	50
3.4.5 Deviation from PPP	52

3.5	Selected Sample Period	55
4	Simulation-Based Asset Allocation	57
4.1	Portfolio Problem Revisited	57
4.2	Return Dynamics as a VAR	59
4.2.1	General VAR Structure	59
4.2.2	Domestic Investing	61
4.2.3	International Investing	65
4.3	Simulation Approach for Portfolio Weights	69
4.3.1	Simulation of Paths	69
4.3.2	Approximation of the Value Function	70
4.3.3	Evaluation of Conditional Expectations through Regres- sions	73
4.3.4	Computational Issues	75
4.4	Long-Run Investment Behavior	78
4.4.1	Strategic Allocation	78
4.4.2	Evaluation of the Risk Aversion	80
5	Optimal Long-Term Portfolio Choice	83
5.1	Optimal Domestic Investing	83
5.1.1	Strategic Allocation and Intertemporal Hedging	83
5.1.2	Horizon Effect	85
5.1.3	Impact of the Specific State of the Economy	88
5.1.4	Different Levels of Risk Aversion	90
5.1.5	Principles of Domestic Long-Term Investing	100
5.2	Optimal International Investing	102
5.2.1	Strategic Allocation and Intertemporal Hedging	102
5.2.2	Horizon Effect	104
5.2.3	Role of the Index Composition	108
5.2.4	Impact of the Specific State of the Economy	110
5.2.5	Different Levels of Risk Aversion	111
5.2.6	Currency Hedging	122
5.2.7	Gold as an Additional Asset	126
5.2.8	Principles of International Long-Term Investing	128
6	Conclusion: Seven Lessons	131
	Appendix A: Another Example of Dynamic Choice	137
	Appendix B: Optimality Condition with CRRA Utility	141
	Bibliography	143