

TABLE OF CONTENTS

Chapter 1: INTRODUCTION	1
What is taxonomy?	1
Why a strategy?	3
Context for the strategy	4
Purpose of the strategy	5
Scope of the strategy	5
Developing and implementing the strategy	6
Challenges to biosystematics research presented by current trends	6
Chapter 2: ALGAE	8
Review of current status of algal systematics in South Africa	8
Vision for the algae systematics research strategy	9
Strategic objectives of the algae systematics research strategy	10
Activities to achieve objectives	10
Chapter 3: ANIMALS	11
Review of the current status of animal taxonomy in South Africa	11
Vision for animal taxonomy in South Africa	13
Strategic objectives for achieving the Vision	13
Priority activities required to achieve the strategic objectives [and responsible organisations or communities]	14
Chapter 4: BACTERIA AND ARCHAEA	18
Review of current status of bacteria and archaea taxonomy	19
Implementation challenges	20
Proposed biosystematics research strategy for bacteria and archaea	20
Chapter 5: FUNGI	23
Review of current status of fungal systematics in South Africa	25
Vision for the fungal taxonomy strategy	27
Strategic objectives	28
Activities to achieve strategic objectives	28
Chapter 6: PLANTS	30
Review of current status of plant taxonomy in South Africa	30
Vision for the plant research strategy	31
Strategic objectives and programmes of the strategy	33
Activities required to achieve the strategic objectives	33
Chapter 7: CONCLUSIONS	37
Priority objectives and actions across taxa	37
Constraints and considerations relating to the implementation of the Biosystematics Research Strategy	38
Chapter 8: REFERENCES	39