

Contents

	<u>Page No.</u>
Executive Summary	i
Abbreviations	iii
Acknowledgements	iv
Contents	v
1. Introduction	1
2. Genetic Conservation and Natural Forests in Cambodia	2
2.1 Convention on Biological Diversity	2
2.2 Natural Forests	2
2.2.1 Indigenous Tree Species	2
2.2.2 Seed Sources	3
2.2.3 Conservation Through Use	3
3. Institutional and Regulatory Framework for Forestry in Cambodia	4
3.1 Institutional Framework	4
3.2 Regulatory Framework	4
3.2.1 Forest Policy Statement	4
3.2.2 Forestry Sectoral Plan	4
3.2.3 Forestry Law	4
3.2.4 Forest Concession Sub-Decree	5
4. Development of the Forest Gene Conservation Strategy in Cambodia	7
4.1 Background	7
4.2 Selection of Priority Species	8
4.2.1 Species Selection	8
4.2.2 Species Monographs	10
4.3 Assessment of Species Distribution and Overall Conservation Status	10
4.4 Assessment of Genetic Variation within Species	10
4.4.1 Gene-ecological Zonation	11
4.5 Assessment of Conservation Status within Gene-Ecological Zones	11
4.6 Identification of Key Populations and their Conservation Status	12
4.6.1 Number of Populations	12
4.6.2 Size of Conservation Stands	13
4.6.3 Seed Source Selection	13
4.6.4 Seed Source Registration	14
4.7 Identification of Appropriate Conservation Methods	14
4.7.1 Methods of Conservation Recommended in Cambodia	17
4.7.1.1 <i>In Situ</i>	17
4.7.1.1.1 Seed Source Establishment	18
4.7.1.1.2 Participatory Approach	18
4.7.1.1.3 Stand Management	20
4.7.1.1.4 Agreements and Legislation	21
4.7.1.2 <i>Ex situ</i>	21

4.8 Organisation and Implementation of the Gene Conservation Strategy	22
4.8.1 Institutional Organisation	22
4.8.2 Costs of Conservation	22
4.8.3 Implementation	22
4.9 Potential Regional Perspectives	24
References	25
<u>Appendices</u>	
Appendix 1 – Terms of Reference and List of Members of the Working Group for Forest Gene Conservation Strategy	A1 - 1
Appendix 2 – Seed Source Locations	A2 - 1
Appendix 3 – Advantages and Disadvantages of Different Genetic Resource Conservation Methods	A3 - 1
Appendix 4 – Example of an Agreement between FA and a Local Community	A4 - 1
<u>Annexes</u>	
Annex 1 – Flora of Cambodia and Species Monographs	B1 - 1
Annex 2 – Distribution and Conservation Status of Selected Tree Species for Gene conservation and Working Methodology	B2 - 1

List of Tables and Boxes

<u>Tables</u>	
Table 1 – Priority Tree Species for Gene Conservation	9
Table 2 – The Relative Feasibility of Different Conservation Methods for Different Purposes	16
Table 3 – Seed Sources in the Natural Forest	20
<u>Boxes</u>	
Box 1 – Terminology	6
Box 2 – Criteria for the Selection of Populations for Seed Source Establishment	14
Box 3 – Matrix of Forest Gene Resource Conservation Options and Approaches Against Threat/Risk and Genetic Diversity	17
Box 4 – The Increased Utilisation Model	18
Box 5 – Conservation of Forest Genetic Resources Pilot Action Plan	23