# Contents

List of Figures xiii

1 Introduction 1

1.1 The bigger picture 2
1.2 Principal-agent problems and solutions 4
1.3 Experimental economics 6
1.4 Research questions 9

2 An Overview of Policy Instruments 13

2.1 Introduction 14
2.2 Categorizing the policy instruments 17
2.3 Assessment criteria for the policy instruments 22
2.4 Case study: Eco-friendly riverbanks 24
2.5 Conclusion 35

3 The Menu of Contracts Approach 37

3.1 Introduction 38
3.2 The model 43
3.3 Optimal conservation when land quality is predetermined 47

3.3.1 Land quality investment 47
3.3.2 The complete information solution 49
3.3.3 Is \((S^F_i,b^F_i),(S^F_p,b^F_p)\) incentive compatible? 50
3.3.4 Graphical analysis when land quality is predetermined 53

3.4 Optimal conservation when land quality is endogenous 55

3.4.1 Land quality investment 55
3.4.2 The complete information solution 56
3.4.3 Is \((S^E_i,b^E_i),(S^E_p,b^E_p)\) incentive compatible? 58

3.5 Empirical validity of the key assumptions 60
3.6 Conclusion 64
3.6 Appendix 66

4 Repeated Procurement Auctions 79

4.1 Introduction 80
4.2 Experimental design 84
4.3 Experimental results 88
4.4 Conclusion
4.A Appendix

5 **Wildlife Corridor Auctions**

5.1 Introduction
5.2 A corridor auction model
5.3 Simulation framework and scenarios
5.4 Simulation results
5.5 Conclusion
5.A Appendix

6 **Trust and Control**

6.1 Introduction
6.2 The game and the experimental design
6.3 Experimental results
6.4 Conclusion

7 Conclusions and Discussion

References

Nederlandse Samenvatting (Dutch Summary)