



**OVERVIEWS**

- |    |   |    |
|----|---|----|
| 1. | What tools do we have to detect invasive plant species?   | 3  |
|    | <i>M. Rejmanek</i>  |    |
| 2. | The search for patterns that enable prediction of invasion  | 10 |
|    | <i>S. Reichard</i>  |    |
| 3. | Can the impacts of invasive species be predicted?   | 20 |
|    | <i>M. Williamson</i>  |    |
| 4. | Priorities for weed risk assessment: using a landscape context to assess indicators of functions, services and values | 34 |
|    | <i>L.A. Wainger &amp; D.M. King</i>   |    |
| 5. | Evaluating pest-screening systems – insights from epidemiology and ecology  | 52 |
|    | <i>W.M. Lonsdale &amp; C.S. Smith</i>   |    |
| 6. | A comparison of systems to analyze potential weed distributions   | 61 |
|    | <i>D.J. Kriticos &amp; R.P. Randall</i>   |    |

**NATIONAL PERSPECTIVES**

- |     |   |     |
|-----|---|-----|
| 7.  | Weed risk assessment for plant introductions to Australia                                   | 83  |
|     | <i>P.C. Pheloung</i>  |     |
| 8.  | Implementation of a permitted list approach to plant introductions to Australia             | 93  |
|     | <i>C.S. Walton</i>  |     |
| 9.  | Assessing the risk to indigenous biota of plant taxa new to New Zealand                     | 100 |
|     | <i>P.A. Williams, E. Nicol &amp; M. Newfield</i>  |     |
| 10. | Pest risk assessment in the United States: guidelines for qualitative assessments for weeds | 117 |
|     | <i>P.P. Lehtonen</i>  |     |
| 11. | Towards a system to determine the national significance of weeds in Australia               | 124 |
|     | <i>J.G. Virtue, R.H. Groves &amp; F.D. Panetta</i>  |     |

### REGIONAL PERSPECTIVES

12. Invasive plant problems and requirements for weed risk assessment in the Galapagos Islands 153  
*A. Tye*
13. Weed risk assessment and prevention in Hawaii: status and practicalities 176  
*P.A. Thomas*
14. Commercial use, physical distribution, and invasiveness description: three reasons why Florida still struggles with invasive plants 182  
*R.K. Stocker*
15. The effect of introduction pressure on the naturalization of ornamental woody plants in south-eastern Australia 186  
*M. Mulvaney*
16. A weed risk assessment model for aquatic weeds in New Zealand 194  
*P.D. Champion & J.S. Clayton*
17. Categorizing invasive plants: the challenge of rating the weeds already in California 203  
*J.M. Randall, N. Benton & L.E. Morse*
18. Scary species, superlative sites: assessing weed risk in New Zealand's protected natural areas 217  
*S.M. Timmins & S.-J. Owen*

### SYNTHESIS

19. Weed risk assessment: core issues and future directions 231  
*F.D. Panetta, A.P. Mackey, J.G. Virtue & R.H. Groves*

- Index** 241