

# Contents

<i>List of contributors</i>	page vii	8 How useful to biodiversity conservation are ecosystem services-based approaches?	65
<i>Preface</i>	xi	<i>Craig Leisher</i>	
1 Introduction	1	<b>Part III Assessing water ecosystem services</b>	
<i>Iain J. Gordon, Julia Martin-Ortega, and Robert C. Ferrier</i>		9 The first United Kingdom's National Ecosystem Assessment and beyond	73
2 What defines ecosystem services-based approaches?	3	<i>Marije Schaafsma, Silvia Ferrini, Amii R. Harwood, and Ian J. Bateman</i>	
<i>Julia Martin-Ortega, Dídac Jorda-Capdevila, Klaus Glenk, and Kirsty L. Holstead</i>		10 Using an ecosystem services-based approach to measure the benefits of reducing diversions of freshwater: a case study in the Murray-Darling basin, Australia	82
<b>Part I Addressing global challenges</b>		<i>Neville D. Crossman, Rosalind H. Bark, Matthew J. Colloff, Darla Hatton MacDonald, and Carmel A. Pollino</i>	
3 Assessing climate change risks and prioritising adaptation options using a water ecosystem services-based approach	17	11 An ecosystem services-based approach to integrated regional catchment management: the South East Queensland experience	90
<i>Samantha J. Capon and Stuart E. Bunn</i>		<i>Simone Maynard, David James, Stuart Hoverman, Andrew Davidson, and Shannon Mooney</i>	
4 Operationalizing an ecosystem services-based approach for managing river biodiversity	26	12 Policy support systems for the development of benefit-sharing mechanisms for water-related ecosystem services	99
<i>Catherine M. Febria, Benjamin J. Koch, and Margaret A. Palmer</i>		<i>Mark Mulligan, Silvia Benítez-Ponce, Juan S. Lozano-V, and Jorge Leon Sarmiento</i>	
5 Water for agriculture and energy: the African quest under the lenses of an ecosystem services-based approach	35	13 Assessing biophysical and economic dimensions of societal value: an example for water ecosystem services in Madagascar	110
<i>Maher Salman and Alba Martinez</i>		<i>Ferdinando Villa, Rosimeiry Portela, Laura Onofri, Paulo A. L. D. Nunes, and Glenn-Marie Lange</i>	
<b>Part II Applying frameworks for water management and biodiversity conservation under an ecosystem services-based approach</b>		14 Rapid land use change impacts on coastal ecosystem services: a South Korean case study	119
6 Using ecosystem services-based approaches in Integrated Water Resources Management: perspectives from the developing world	49	<i>Hojeong Kang, Heejun Chang, and Min Gon Chung</i>	
<i>Madiodio Niasse and Jan Cherlet</i>			
7 Implementation of the European Water Framework Directive: what does taking an ecosystem services-based approach add?	57		
<i>Kirsty L. Blackstock, Julia Martin-Ortega, and Chris J. Spray</i>			

management: what opportunities and challenges for business?	129	<i>César Tapia-Fonllem, and Blanca Fraijo-Sing</i>	
<i>Joël Houdet, Andrew Johnstone, and Charles Germaneau</i>		19 The interface between human rights and ecosystem services	163
16 Key factors for successful application of ecosystem services-based approaches to water resources management: the role of stakeholder participation	138	<i>Stephen J. Turner</i>	
<i>Jos Brils, Al Appleton, Nicolaas van Everdingen, and Dylan Bright</i>		20 Water ecosystem services: moving forward	170
17 Cultural ecosystem services, water, and aquatic environments	148	<i>Julia Martin-Ortega, Robert C. Ferrier, and Iain J. Gordon</i>	
<i>Andrew Church, Rob Fish, Neil Ravenscroft, and Lee Stapleton</i>		<i>Index</i>	174
		<i>Colour plate section between pages 84 and 85</i>	