

## CONTENTS

### Guest editorial

Working with wicked problems in socio-ecological systems: More awareness, greater acceptance, and better adaptation B.W. Head (Brisbane, Australia) and W.-N. Xiang (Shanghai, China).....	1
<b>Theme 1: More awareness, greater acceptance, and better adaptation</b>	
Why is an APT approach to wicked problems important? B.W. Head (Brisbane, Australia) and W.-N. Xiang (Shanghai, China).....	4
Collaborative rationality as a strategy for working with wicked problems J.E. Innes (Berkeley, CA, USA) and D.E. Booher (Sacramento, USA) .....	8
Coping with the wicked problem of climate adaptation across scales: The Five R Governance Capabilities C.J.A.M. Termeer, A. Dewulf, S.I. Karlsson-Vinkhuyzen, M. Vink and M. van Vliet (Netherlands) .....	11
<b>Theme 2: Planning in the age of wicked problems</b>	
Wicked games changing the storyline of urban planning N. Lundström, H. Raisio, P. Vartiainen and J. Lindell (Vaasa, Finland) .....	20
Translating a wicked problem: A strategic planning approach to rural shrinkage in Denmark A. Tietjen and G. Jørgensen (Frederiksberg C, Denmark) .....	29
Tackling wicked environmental problems: The discourse and its influence on praxis in Scotland D. Duckett, D. Feliciano (Aberdeen, UK), J. Martin-Ortega (Leeds, UK) and J. Munoz-Rojas (Portugal) .....	44
<b>Theme 3: Wickedness management in natural resources and environment</b>	
Mapping in and out of “messes”: An adaptive, participatory, and transdisciplinary approach to assessing cumulative environmental justice impacts G. Huang (Beijing, China) and J.K. London (Davis, CA, USA) .....	57
Energy from the foodbowl: Associated land-use conflicts, risks and wicked problems J.-A. Everingham, N. Collins, J. Cavaye, W. Rifkin, S. Vink, T. Baumgartl and D. Rodriguez (Brisbane, Australia) .....	68
Managing wicked natural resource problems: The collaborative challenge at regional scales in Australia B.W. Head, H. Ross and J. Bellamy (Brisbane, Australia).....	81
Mending man’s ways: Wickedness, complexity and off-road travel B. Muller (Boulder, CO, USA).....	93
Managing wickedness in the Niger Delta: Can a new approach to multi-stakeholder governance increase voice and sustainability? C. Acey (Berkeley, CA, USA).....	102
<b>Theme 4: Transdisciplinarity and planning ethics in the face of wickedness</b>	
Managing the wicked problem of transdisciplinary team formation in socio-ecological systems P.E. Norris (East Lansing, MI, USA), M. O’Rourke, A.S. Mayer and K.E. Halvorsen (MI, USA) .....	115
The ethics of working with wicked urban waste problems: The case of Singapore’s Semakau Landfill J.K.H. Chan (Singapore) .....	123