

# Contents

Preparation of this document	iii
Abstract	iv
Acknowledgements	vii
Abbreviations and acronyms	viii
<b>Genesis of the workshop</b>	<b>1</b>
<b>Workshop development and findings</b>	<b>3</b>
<b>Workshop recommendations and the potential role of FAO</b>	<b>9</b>
<b>Annex 1 – Agenda</b>	<b>11</b>
<b>Annex 2 – Workshop participants and contributors</b>	<b>13</b>
<b>SECTION I – GLOBAL REVIEWS</b>	<b>17</b>
<b>Carrying capacities and site selection within the ecosystem approach to aquaculture</b>	
Lindsay G. Ross, Trevor C. Telfer, Lynne Falconer, Doris Soto, José Aguilar-Manjarrez, Ruby Asmah, Jorge Bermúdez, Malcolm C. M. Beveridge, Carrie J. Byron, Alejandro Clément, Richard Corner, Barry A. Costa-Pierce, Stephen F. Cross, Martin De Wit, Shaunglin Dong, João Gomes Ferreira, James McDaid Kapetsky, Ioannis Karakassis, William Leschen, David C. Little, Anne-Katrine Lundebye-Haldorsen, Francis J. Murray, Michael Phillips, Laudemira Ramos, Sherif Sadek, Philip C. Scott, Arnaldo Valle-Levinson, Douglas Waley, Patrick G. White, and Changbo Zhu.	19
<b>THE FOLLOWING REVIEWS ARE AVAILABLE ON ACCOMPANYING CD-ROM</b>	
<b>Key drivers and issues surrounding carrying capacity and site selection, with emphasis on environmental components</b>	
João Gomes Ferreira, Laudemira Ramos and Barry A. Costa-Pierce	47
<b>Carrying capacity tools for use in the implementation of an ecosystems approach to aquaculture</b>	
Carrie J. Byron and Barry A. Costa-Pierce	87
<b>Socio-economic factors affecting aquaculture site selection and carrying capacity</b>	
David C. Little, Francis Murray, Will Leschen and Douglas Waley	103
<b>Legal and policy components of the application of the ecosystem approach to aquaculture to site selection and carrying capacity</b>	
Jorge Bermúdez	117
<b>From estimating global potential for aquaculture to selecting farm sites: perspectives on spatial approaches and trends</b>	
James McDaid Kapetsky and José Aguilar-Manjarrez	129

<b>Some basic hydrodynamic concepts to be considered for coastal aquaculture</b>	
Arnoldo Valle-Levinson	147
<b>SECTION II – REGIONAL REVIEWS</b>	<b>159</b>
<b>Environmental interactions and initiatives on site selection and carrying capacity estimation for fish farming in the Mediterranean</b>	
Ioannis Karakassis	161
<b>Aquaculture site selection and carrying capacity for inland and coastal aquaculture in Northern Europe</b>	
Anne-Katrine Lundebye Haldorsen	171
<b>Aquaculture site selection and carrying capacity estimates for inland and coastal aquaculture in the Arab Republic of Egypt</b>	
Sherif Sadek	183
<b>Aquaculture site selection and carrying capacity estimates for inland and coastal aquaculture in West Africa</b>	
Ruby Asmah	197
<b>Aquaculture in Southern Africa with special reference to site selection and carrying capacity issues</b>	
Martin De Wit	207
<b>Aquaculture site selection and carrying capacity management in the People’s Republic of China</b>	
Changbo Zhu and Shuanglin Dong	219
<b>Environmental impact, site selection and carrying capacity estimation for small-scale aquaculture in Asia</b>	
Patrick G. White, Michael Phillips and Malcolm Beveridge	231
<b>Carrying capacity and site selection tools for use in the implementation of an ecosystem-based approach to aquaculture in Canada: a case study</b>	
Stephen F. Cross	253
<b>Regional and national factors relevant to site selection for aquaculture in the Federative Republic of Brazil</b>	
Philip C. Scott	263
<b>Ecosystem approach and interactions of aquaculture activities in southern Chile</b>	
Alejandro Clément	271
<b>Glossary</b>	<b>279</b>