

# Contents

<b>Foreword .....</b>	v
José Manuel Silva Rodríguez	
<b>Foreword .....</b>	vii
Deng Nan	
<b>Foreword .....</b>	ix
Shane Huntington	
<b>The Authors .....</b>	xi
<b>Abbreviations and Acronyms .....</b>	xvii
 <b>Introduction: Science Communication —</b>	
<b>A Multidisciplinary and Social Science .....</b>	1
Cheng Donghong, Michel Claessens, Toss Gascoigne, Jenni Metcalfe, Bernard Schiele, and Shi Shunke	
 <b>Part 1 Revisiting Models</b>	
<b>1 Paradigm Change for Science Communication: Commercial Science Needs a Critical Public .....</b>	7
Martin W. Bauer	
<b>2 European Trends in Science Communication .....</b>	27
Michel Claessens	
<b>3 Words and Figures of the Public: the Misunderstanding in Scientific Communication .....</b>	39
Joëlle Le Marec and Igor Babou	

<b>4 Representation and Deliberation: New Perspectives on Communication Among Actors in Science and Technology Innovation .....</b>	<b>55</b>
Giuseppe Pellegrini	
<b>5 Medialization of Science as a Prerequisite of Its Legitimization and Political Relevance .....</b>	<b>71</b>
Hans Peter Peters, Harald Heinrichs, Arlena Jung, Monika Kallfass and Imme Petersen	
<b>6 On and about the Deficit Model in an Age of Free Flow .....</b>	<b>93</b>
Bernard Schiele	
<b>7 Towards an Analytical Framework of Science Communication Models .....</b>	<b>119</b>
Brian Trench	

## Part 2 Crossing Boundaries

<b>8 Before and After Science: Science and Technology in Pop Music, 1970–1990 .....</b>	<b>139</b>
Massimiano Bucci and Andrea Lorenzet	
<b>9 The More, the Earlier, the Better: Science Communication Supports Science Education .....</b>	<b>151</b>
Cheng Donghong and Shi Shunke	
<b>10 Hollywood Knowledge: Communication Between Scientific and Entertainment Cultures .....</b>	<b>165</b>
David A. Kirby	
<b>11 Situating Science in the Social Context by Cross-Sectoral Collaboration .....</b>	<b>181</b>
Jenni Metcalfe, Michelle Riedlinger, and Anne Pisarski	

## Part 3 Developing Strategies

<b>12 From Science Communication to Knowledge Brokering: the Shift from ‘Science Push’ to ‘Policy Pull’ .....</b>	<b>201</b>
Alex T. Bielak, Andrew Campbell, Shealagh Pope, Karl Schaefer, and Louise Shaxson	

<b>13 Science Advocacy: Challenging Task, Difficult Pathways .....</b>	<b>227</b>
Toss Gascoigne	
<b>14 The Epistemic Jumble of Sustainable Development .....</b>	<b>243</b>
Yves Jeanneret	
<b>15 In Search of Dialogue: Staging Science Communication in Consensus Conferences .....</b>	<b>259</b>
Maja Horst	
<b>16 So Where's the Theory? on the Relationship between Science Communication Practice and Research.....</b>	<b>275</b>
Steve Miller	
<b>17 From Democratization of Knowledge to Bridge Building between Science, Technology and Society.....</b>	<b>289</b>
Lise Santerre	
<b>18 Bringing Science to the Public.....</b>	<b>301</b>
Jan Riise	
<b>Appendix: The PCST Network.....</b>	<b>311</b>
<b>Index.....</b>	<b>315</b>