

Contents

Acknowledgements	viii
About the editors	x
Foreword by Beth Simone Noveck	xi
Introduction	1

SECTION 1: OPEN DATA SECTORS AND COMMUNITIES

Introduction	12
Chapter 1. Accountability and anti-corruption <i>Jorge Florez and Johannes Tonn</i>	17
Chapter 2. Agriculture <i>Ruthie Musker, Ben Schaap, Martin Parr, and André Laperriere</i>	35
Chapter 3. Corporate ownership <i>Jack Lord</i>	51
Chapter 4. Crime and justice <i>Sandra Elena</i>	65
Chapter 5. Development assistance and humanitarian action <i>Catherine Weaver, Josh Powell, and Heather Leson</i>	77
Chapter 6. Education <i>Javiera Atenas and Leo Havemann</i>	91
Chapter 7. Environment <i>Selwyn Willoughby</i>	103
Chapter 8. Extractives <i>Anders Pedersen</i>	119
Chapter 9. Geospatial <i>Renée Sieber</i>	137
Chapter 10. Government finances <i>Cécile Le Guen</i>	151
Chapter 11. Health <i>Mark Irura</i>	166
Chapter 12. Land ownership <i>Tim Davies and Sumandro Chattapadhyay</i>	181
Chapter 13. National statistics <i>Shaida Badiee, Caleb Rudow, and Eric Swanson</i>	196
Chapter 14. Telecommunications <i>Stephen Song</i>	207
Chapter 15. Transport <i>Pieter Colpaert and Julián Andrés Rojas Meléndez</i>	215
Chapter 16. Urban development <i>Jean-Noé Landry</i>	225

□	SECTION 2: ISSUES IN OPEN DATA	
	Introduction	238
	Chapter 17. Algorithms and artificial intelligence	243
	<i>Tim Davies</i>	
	Chapter 18. Data infrastructure	260
	<i>Leigh Dodds and Peter Wells</i>	
	Chapter 19. Data literacy	274
	<i>Mariel Garcia Montes and Dirk Slater</i>	
	Chapter 20. Gender equity	287
	<i>Ana Brandusescu and Nnenna Nwakanma</i>	
	Chapter 21. Indigenous data sovereignty	300
	<i>Stephanie Carroll Rainie, Tahu Kukutai, Maggie Walter, Oscar Luis Figueroa-Rodríguez, Jennifer Walker, and Per Axelsson</i>	
	Chapter 22. Measurement	320
	<i>Danny Lämmerhirt and Ana Brandusescu</i>	
	Chapter 23. Privacy	339
	<i>Teresa Scassa</i>	
□		
□	SECTION 3: OPEN DATA STAKEHOLDERS	
	Introduction	352
	Chapter 24. Civil society	355
	<i>Christopher Wilson</i>	
	Chapter 25. Donors and investors	367
	<i>Fernando Perini and Michael Jarvis</i>	
	Chapter 26. Governments	381
	<i>Barbara-Chiara Ubaldi</i>	
	Chapter 27. Journalists and the media	395
	<i>Alex Howard and Eva Constantaras</i>	
	Chapter 28. Multilateral organisations	406
	<i>Craig Hammer</i>	
	Chapter 29. Private sector	418
	<i>Joel Garin, Carla Bonina, and Stefaan Verhulst</i>	
	Chapter 30. Researchers	430
	<i>François van Schalkwyk</i>	

SECTION 4: OPEN DATA AROUND THE WORLD

Introduction	446
Chapter 31. Eastern Europe and Central Asia <i>Lejla Sadiku and Yaera Chung</i>	450
Chapter 32. European Union <i>Rufus Pollock and Danny Lämmerhirt</i>	465
Chapter 33. Latin America and the Caribbean <i>Silvana Fumega and Maurice McNaughton</i>	485
Chapter 34. Middle East and North Africa <i>Nagla Rizk, Nancy Salem, and Stefanie Felsberger</i>	503
Chapter 35. North America, Australia, and New Zealand <i>David Eaves, Ben McGuire, and Audrey Carson</i>	517
Chapter 36. South, East, and Southeast Asia <i>Michael Canares</i>	535
Chapter 37. Sub-Saharan Africa <i>Leonida Mutuku and Teg-wende Idriss (Tinto)</i>	549
Conclusion and recommendations	565