## Contents

	List of figures List of tables List of contributors	x xii xiii
1	Introduction: The challenges of communicating about climate change in the modern era  JUITA-ELENA (WIE) YUSUF AND BURTON ST. JOHN III	1
PAI	ET 1 Stranger of the state of t	
	mmunicating with the public	13
2	Asking questions for adaptation: Using public and stakeholder surveys as a tool within coastal climate change policy processes KAREN L. AKERLOF, KRISTIN TIMM, SYMA A. EBBIN, JILL M. GAMBILL, PHYLLIS M. GRIFMAN, TANCRED MILLER, AND SUSANNE MOSER	15
3	Engaging residents in policy and planning for sea-level rise: Application of the Action-oriented Stakeholder Engagement for a Resilient Tomorrow (ASERT) framework  JUITA-ELENA (WIE) YUSUF, J. GAIL NICULA, DANIEL P. RICHARDS,  OGECHUKWU AGIM, MICHELLE COVI, AND KHAIRUL A. ANUAR	36
4	Communicating within immersion and presence: The use of 360-degree video to make climate change touchable  ANDREAS HEBBEL-SEEGER, CHRISTIAN RUDELOFF, RICCARDO WAGNER, AND SERASTIAN PRANZ	58

	RT 2 mmunicating for stakeholder engagement	77
5	Communicating and co-producing information with stakeholders: Examples of participatory mapping approaches related to sea-level rise risks and impacts  PRAGATI RAWAT, KHAIRUL A. ANUAR, JUITA-ELENA (WIE) YUSUF,	79
	JON DEREK LOFTIS, AND REN-NEASHA BLAKE	
6 ×	Social media and climate change dialogue: A review of the research and guidance for science communicators BROOKE FISHER LIU AND JIYOUN KIM	97
7	Key elements of user preferences for flood alerts and implications for the design and development of flood alert or warning systems  DONTA COUNCIL, TIHARA RICHARDSON, AND JUITA-ELENA (WIE) YUSUF	116
	RT 3 ganizational, institutional, risk, and disaster communication	133
8	The Standing Rock Water Protests against the Dakota Access Pipeline: Addressing environmental degradation through Indigenous political ecology as the "trickster science"  DANIELLE QUICHOCHO AND BURTON ST. JOHN III	135
9	Risk communication in the tourism industry LINDSAY E. USHER AND ASHLEY SCHROEDER	
10	Risk management and biases in how drivers respond to nuisance flooding SAIGE HILL, JUITA-ELENA (WIE) YUSUF, BURTON ST. JOHN III, PRAGATI RAWAT, AND CAROL CONSIDINE	169
11	Rethinking disaster communication ecology: Exploring context in isolated communities in the Philippines  DENNIS JOHN F. SUMAYLO AND MARIANNE D. SISON	

	Contents	s ix
	enclusion 291U)	203
12	Toward accessible messaging and effective climate change communication  JUITA-ELENA (WIE) YUSUF AND BURTON ST. JOHN III	205
	Index	209