

1. Record Nr.	UNINA9910298363603321
Titolo	New Trends in Earth-Science Outreach and Engagement [[electronic resource] ] : The Nature of Communication // edited by Jeanette L. Drake, Yekaterina Y. Kontar, Gwynne S. Rife
Pubbl/distr/stampa	Cham : , : Springer International Publishing : , : Imprint : Springer, , 2014
ISBN	3-319-01821-3
Edizione	[1st ed. 2014.]
Descrizione fisica	1 online resource (259 p.)
Collana	Advances in Natural and Technological Hazards Research, , 1878-9897 ; ; 38
Disciplina	550
Soggetti	Natural disasters Communication Public relations Environment Geography Physical geography Natural Hazards Communication Studies Corporate Communication/Public Relations Environment, general Geography, general Earth System Sciences
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Description based upon print version of record.
Nota di bibliografia	Includes bibliographical references.
Nota di contenuto	Preface -- Acknowledgements -- Foreword -- Part I – Framing Climate Change -- 1 Assessing Corporate Influence on Climate Change Dialogue -- 2 Reaching Out Beyond the “Usual Suspects” and Traditional Media -- 3 Investigating the Connections Between Oil and Gas Industry Affiliation and Climate Change Concerns -- Part II – The Role of Science in the Conversation -- 4 Science Communication and the Legal System -- 5 Reduction of Conflicts in Mining Using Good Neighbor Agreements -- 6 Science Communication and Tension Between Evidence-Based and Inclusive Features of Policy Making -- 7

Science Communication and Role of Scientists in Public Discussion -- Part III – Friending Earth via Social Media -- 8 Transmedia Storytelling in Science Communication -- 9 Interpreting Earth Science in a Museum Environment -- 10 Impacts of Geospatial Information for Decision Making -- Part IV – STEMming the Tide of Science Illiteracy -- 11 Infusing Climate and Energy Literacy Throughout the Curriculum -- 12 Enticing Students to Pursue STEM-related Careers Through Cyber-Driven Learning -- 13 Writing Assignments in Disguise: Lessons Learned Using Video Projects in the Classroom -- Part V – Organization for Resources and Resiliency -- 14 Stakeholder-Driven Research for Climate Adaptation in New York City -- 15 Funding of Geosciences: Coordinating National and International Resources -- 16 A Real-Time Data Product Creation and Distribution System: Bringing Big Data's Benefit to the Public -- 17 Trusted Sources: The Role Scientific Societies Play in Informing Public.

---

## Sommario/riassunto

Perhaps just as perplexing as the biggest issues at the core of Earth science is the nature of communicating about nature itself. *New Trends in Earth-Science Outreach and Engagement: The Nature of Communication* examines the processes of communication necessary in bridging the chasm between climate change and natural hazard knowledge and public opinion and policy. At this junction of science and society, 17 chapters take a proactive and prescriptive approach to communicating with the public, the media, and policy makers about the importance of Earth science in everyday life. Book chapters come from some 40 authors who are geophysical scientists, social scientists, educators, scholars, and professionals in the field. Bringing diverse perspectives, these authors hail from universities, and research institutes, government agencies, non-profit associations, and corporations. They represent multiple disciplines, including geosciences, education, climate science education, environmental communication, and public policy. They come from across the United States and around the world. Arranged into five sections, the book looks at geosciences communication in terms of: 1) Education 2) Risk management 3) Public discourse 4) Engaging the public 5) New media From case studies and best practices to field work and innovations, experts deliver pragmatic solutions and delve into significant theories, including diffusion, argumentation, and constructivism, to name a few. Intended for environmental professionals, researchers, and educators in the geophysical and social sciences, the book emphasizes communication principles and practices within an up-to-the-minute context of new environmental issues, new technologies, and a new focus on resiliency.

---