1. Record Nr. UNINA9910755081803321

Autore	Dangles Olivier
Titolo	Climate Change on Mountains : Reviving Humboldt's Approach to Science / / Olivier Dangles
Pubbl/distr/stampa	Cham, Switzerland : , : Springer, , [2023] ©2023
ISBN	3-031-39528-X
Edizione	[First edition.]
Descrizione fisica	1 online resource (276 pages)
Disciplina	577.22
Soggetti	Bioclimatology Climatic changes Mountain climate Mountain ecology
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Nota di bibliografia	Includes bibliographical references and index.
Nota di contenuto	Chapter 1. Introduction: The subterranean networks of Humboldt -- Chapter 2. Islands -- Chapter 3. Time capsules -- Chapter 4. Underwater flies -- Chapter 5. Telling stories -- Chapter 6. Conclusion: Humboldt tenured -- Epilogue -- References -- Glossary -- Index.
Sommario/riassunto	The world is warming rapidly and this change is most noticeable in mountains with already observable consequences on temperature extremes, water cycle, plant and animal distribution, and the resilience of local livelihoods. This book presents concepts, methodologies and major achievements of recent research in climate change ecology in mountains by placing this research in a historical perspective, that of travelers and naturalists of the Romantic era, and first of all Alexander von Humboldt. There is now a renewed interest, both in academia and beyond, in Humboldt, his writings and his view of nature. But how can we actually make use of his writings? How can we put his philosophy into practice? How can we still learn from past scientific figures and do a better science today? In this book, the author shows how. He presents how it is possible to succeed in modern science by returning to sources, by renewing the tradition of past polymaths such as Humboldt, and by having a fully humanistic approach in science. He

	illustrates his point based on his 15-year experience in the study of the ecological effects of climate change in the tropical Andes, showing how he has incorporated approaches from other disciplines, from different branches of science, from history and the arts to achieve a more comprehensive view of his scientific field. Alongside hard data, discoveries by past naturalists build our understanding of the world but appealing to our emotions makes us want to understand it. In the author’s view this is a productive and enjoyable way of doing science that speaks to our humanity and also increases our knowledge about nature. The narrative of the book moves in space and time, from the present to the past, from continent to continent, from laboratory to field, from archives to mathematical models, from behind the camera to in an Indigenous community. This makes it an academic cross-over book appealing to a broad audience of students, scientists or, supported by attractive illustrations, to anyone interested in the adventure or making of science, but not necessarily with a scientific background.

2.	Record Nr.	UNISA996206447203316
	Titolo	2010 IEEE 8th International Symposium on Applied Machine Intelligence and Informatics
	Pubbl/distr/stampa	[Place of publication not identified], : I E E E, 2010
	ISBN	1-4244-6424-2
	Descrizione fisica	1 online resource : illustrations
	Disciplina	006.31
	Soggetti	Machine learning
	Lingua di pubblicazione	Inglese
	Formato	Materiale a stampa
	Livello bibliografico	Monografia
	Note generali	Bibliographic Level Mode of Issuance: Monograph