

1. Record Nr.	UNINA9910817547903321
Autore	Chu Pey-Yi
Titolo	The life of permafrost : a history of frozen earth in russian and soviet science // Pey-Yi Chu
Pubbl/distr/stampa	Toronto, Ontario : , : University of Toronto Press, , [2020] Â©2020
ISBN	1-4875-1425-5 1-4875-1424-7
Descrizione fisica	1 online resource (304 p.)
Disciplina	551.3840947
Soggetti	Frozen ground - Research Soviet Union Russia
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Nota di bibliografia	Includes bibliographical references and index.
Nota di contenuto	Introduction: historicizing permafrost -- Mapping -- Building -- Defining -- Adapting -- Translating -- Epilogue: resurrecting.
Sommario/riassunto	"In the Anthropocene, the thawing of frozen earth due to global warming has drawn worldwide attention to permafrost. Contemporary scientists define permafrost as ground that maintains a negative temperature for at least two years. But where did this particular conception of permafrost originate, and what alternatives existed? The Life of Permafrost provides an intellectual history of permafrost, placing the phenomenon squarely in the political, social, and material context of Russian and Soviet science. Pey-Yi Chu shows that understandings of frozen earth were shaped by two key experiences in the Russian Empire and the Soviet Union. On one hand, the colonization and industrialization of Siberia nourished an engineering perspective on frozen earth that viewed the phenomenon as an aggregate physical structure: ground. On the other, a Russian and Soviet tradition of systems thinking encouraged approaching frozen earth as a process, condition, and space tied to planetary exchanges of energy and matter. Aided by the US militarization of the Arctic during the Cold War, the engineering view of frozen earth as an obstacle to construction became

dominant. The Life of Permafrost tells the fascinating story of how permafrost came to acquire life as Russian and Soviet scientists studied, named, and defined it."--
