Record Nr. UNINA9910819514303321 Autore Ukraintseva Valentina V. Titolo Mammoths and the environment / / Valentina V. Ukraintseva, State Biosphere Reserve "Taymyrskiy", Department of Research Investigations, Russia [[electronic resource]] Cambridge:,: Cambridge University Press,, 2013 Pubbl/distr/stampa **ISBN** 1-107-28964-5 1-139-88937-0 1-107-28913-0 1-107-29018-X 1-107-29402-9 1-107-29123-2 1-139-22532-4 1-107-29295-6 Edizione [1st ed.] Descrizione fisica 1 online resource (xi, 346 pages) : digital, PDF file(s) Classificazione SCI027000 Disciplina 569/.670957 Soggetti Mammoths Paleoclimatology - Holocene Paleoclimatology - Russia (Federation) - Siberia Paleobotany - Holocene Paleobotany - Russia (Federation) - Siberia Extinction (Biology) Lingua di pubblicazione Inglese **Formato** Materiale a stampa Livello bibliografico Monografia Note generali Title from publisher's bibliographic system (viewed on 24 Feb 2016). Nota di bibliografia Includes bibliographical references and index. Nota di contenuto Part 1. Introduction. 1. Some pages of history; 2. Materials and methods; 3. The mammoth faunal complex -- Part 2. The mammoth fauna: unique discoveries in Siberia. 4. The Berezovka mammoth; 5. The Taymyr mammoth; 6. The Selerikan horse; 7. The Mylakhchin bison; 8. The Shandrin mammoth; 9. The Kirgilyakh mammoth; 10. The Khatanga mammoth; 11. The Yuribei mammoth; 12. The Jarkov mammoth: 13. The mammoth fauna of the Berelekh River basin -- Part 3. Solving the mysteries of the late Pleistocene environment and fauna. 14. Food remains of fossil herbivorous mammals, and floras of the past

; 15. The vegetation and climate of Siberia in the late Pleistocene and Holocene; 16. Why did the mammoths die out so quickly?; 17. Conclusions.

Sommario/riassunto

The study of fossilised remains of herbivorous animals, particularly those rare findings with well-preserved gastrointestinal tracts filled with plant remains, is crucial to our understanding of the environment in which they lived. Summarising thirty years of research, Ukraintseva presents evidence on plants once eaten by Siberia's major herbivorous mammals. The collection of pollen and plant spores from food remains sheds light on the vegetation of these ancient habitats, enabling researchers to reconstruct local floras of the time. This also promotes further insight into the causes of the extinction of various species due to changing environmental conditions and food availability. Providing a history of the research undertaken, the book also includes specific chapters on the Cherski horse and bison, along with the vegetation and climate of Siberia in the late Anthropogene period, making it a lasting reference tool for graduate students and researchers in the field.