Record Nr. UNINA9910840576603321 Natural climate variability and global warming [[electronic resource]]: a **Titolo** Holocene perspective / / edited by R.W. Battarbee and H.A. Binney Pubbl/distr/stampa Malden, MA,: Blackwell Pub., 2008 **ISBN** 1-282-03435-9 9786612034350 1-4443-0093-8 1-4443-0094-6 Descrizione fisica 1 online resource (286 p.) Altri autori (Persone) BattarbeeR. W BinneyH. A (Heather A.) 363.73874072 Disciplina 551.60901 Paleoclimatology - Holocene Soggetti Climatic changes - Research Global warming - Research Lingua di pubblicazione Inglese **Formato** Materiale a stampa Livello bibliografico Monografia Description based upon print version of record. Note generali Nota di bibliografia Includes bibliographical references and index. Nota di contenuto Contributors; Abbreviations, acronyms, and terminology; 1Holocene climate variabilityand global warming; 2Holocene climate research progress, paradigms, and problems; 3The role of peoplein the Holocene; 4Modeling the climate of the Holocene; 5The early to mid-Holocenethermal optimum in the North Atlantic; 6Holocene climate changeand the evidence for solarand other forcings; 7Climate of the pastmillennium: combiningproxy data and modelsimulations; 8Latitudinal linkages in lateHolocene moisture-balancevariation: 9Holocene rapid land-coverchanges - evidence andtheory 10Holocene perspectiveson future climatechangeIndex Sommario/riassunto Whilst there is now overwhelming evidence that greenhouse-gas pollution is becoming the dominant process responsible for global warming, it is also clear that the climate system varies guite naturally

on different time-scales. Predicting the course of future climate change consequently requires an understanding of the natural variability of the

climate system as well as the effects of human-induced change. This book is concerned with our current understanding of natural climate change, its variability on decadal to centennial time-scales, the extent to which climate models of different kinds s