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Nota di contenuto	Preface -- Introduction -- Part I: Arctic and Antarctic -- Part II: Climate change and adaptation -- Part III: Himalayan Cryosphere and climate change.
Sommario/riassunto	This book showcases the results of studies pertaining to climate changes in the Polar Regions - Arctic-Antarctic-Himalaya. It discusses the significant variations due to thinning of sea ice in the Arctic, insights on the first Indian Arctic multi-sensor mooring (IndARC), political context of major geological and tectonic features of Arctic Ocean, climate change and its predicted impacts on fisheries and coastal communities. The book also contains the work pursued under the National Mission for Sustaining the Himalayan Ecosystems, aiming towards strengthening the capacities of farmers through appropriate Lab-to-Land intervention to combat climate change issues. Discussions on various models like WRF (Weather Research and Forecasting), Regional Climate Model (RegCM4) pertaining to Himalaya have been

highlighted to gain more insights on climate change.
