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Sommario/riassunto	This book explores the impact of volcanic eruptions, a significant natural disaster, on modern society. It focuses on the scientific advancements made in evaluating volcanic hazards and monitoring volcanic activities to predict eruptions. The book compiles a range of techniques and approaches used in volcano monitoring, including seismic observation, deformation measurement, and remote sensing from satellites or the ground. It serves as a comprehensive resource for educators, researchers, and students, detailing methods like seismic surveillance and deformation monitoring. The book is coordinated by Jean-François Lénat, a prominent figure in volcanic research, particularly concerning the Piton de la Fournaise and the volcanic activity of La Réunion.